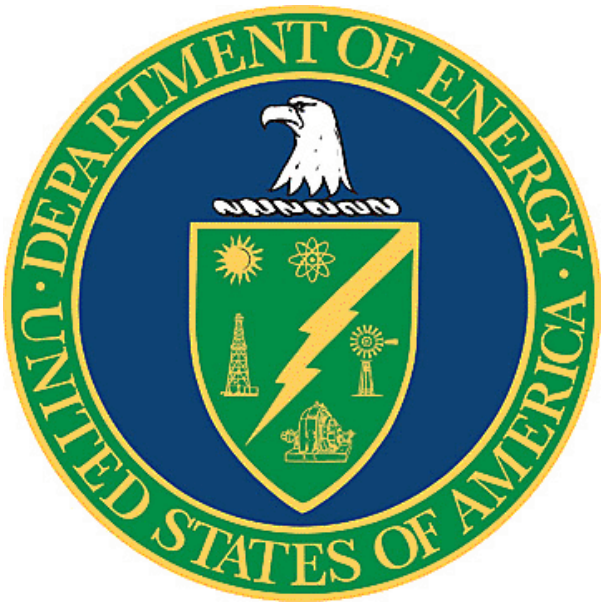
ANNUAL TRANSURANIC WASTE INVENTORY REPORT – 2007

DOE/TRU-2008-3379

Revision 1

This document supersedes DOE/TRU-2008-3379, Revision 0



U.S. Department of Energy
Carlsbad Field Office

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REVISION HISTORY

Revision 0	Initial Release
Revision 1	This revision is the result of the discovery of a calculation error based on the methodology used by LANL to report radionuclide activity concentration for their waste streams. The site provided their methodology for determination of radionuclide activity concentration, which was based on the concentration within the smallest applicable volume of a container in the waste stream. This resulted in an inordinately high activity concentration for the CH and RH waste streams because the same methodology was applied. Therefore, LANL recalculated activity concentrations for all of their waste streams based on the final form volume of the waste stream, which is incorporated into CID Data Version D.6.06 (LANL-CO 2008).

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1.0 INTRODUCTION

1.1 Background and History

The U.S. Department of Energy's (DOE's) Waste Isolation Pilot Plant (WIPP) opened on March 26, 1999, becoming the nation's first deep geologic repository for the permanent disposal of defense-generated transuranic (TRU) waste. The WIPP Land Withdrawal Act (LWA) requires the U. S. Environmental Protection Agency (EPA) to periodically recertify WIPP's compliance with regulations published at Title 40 Code of Federal Regulations Part 191 (40 CFR 191) in accordance with criteria established at 40 CFR Part 194.[1] Under the LWA, five years after the initial receipt of TRU waste at WIPP and every five years thereafter, DOE must submit an application to EPA documenting continued compliance, and EPA must determine (i.e., recertify) that WIPP continues to comply with those regulations within six months of each application submission. DOE submitted the first recertification application, *Compliance Recertification Application 2004* (CRA-2004) (DOE 2004), to EPA in March 2004, and EPA recertified WIPP in March 2006.

The LWA defines TRU waste as "…waste containing more than 100 nanocuries of alpha-emitting transuranic isotopes per gram of waste, with half-lives greater than 20 years…"[2] TRU waste is classified as either contact-handled (CH) or remote-handled (RH), depending on the dose rate at the surface of the waste container. CH-TRU waste is packaged TRU waste with an external surface dose rate less than 200 millirem (mrem) per hour [rem: roentgen equivalent man], while RH-TRU waste is packaged TRU waste with an external surface dose rate of 200 mrem or greater per hour, as defined in the LWA. Unless otherwise indicated, for the purpose of this report, all references to TRU waste include TRU waste and mixed TRU waste (waste that contains both radioactive and hazardous components, as defined in the Atomic Energy Act of 1954, 42 USC § 2011 *et seq.* (U.S. Congress 1954), and the Resource Conservation and Recovery Act (RCRA), 42 USC § 66901 *et seq.*

For the preparation of the CRA-2004, a detailed TRU waste inventory update was conducted. The detailed information required for performance assessment (PA) modeling calculations, which are needed for recertification, includes volumes (currently stored, emplaced, and projected), radionuclides in the waste and their activity concentrations, and the densities of the waste material parameters (WMPs) in the waste. The TRU waste inventory changed dramatically between the initial certification of WIPP and the CRA-2004. For that reason, the TRU waste inventory will be updated annually, beginning with the *Annual Transuranic Waste Inventory Report – 2007* (hereafter referred to as "this report"). DOE TRU waste generation has occurred at 27 sites across the country – six large and 21 small quantity sites. Six of these sites have emplaced their waste at WIPP, found other disposition pathways for the waste, or have

[1] *See* Pub. L. No. 102-579, § 8, 106 Stat. 4777, 4786-4788 (U.S. Congress1992), as amended, Waste Isolation Pilot Plant Land Withdrawal Act Amendments, Pub. L. No. 104-201, § 3187, 110 Stat. 2422, 2852 (U.S. Congress 1996).

[2] The term transuranic waste "…means waste containing more than 100 nanocuries of alpha-emitting transuranic isotopes with half-lives greater than twenty years, per gram of waste, except for: (1) High-level radioactive wastes; (2) wastes that the Department [of Energy] has determined, with the concurrence of the Administrator [of the Environmental Protection Agency], do not need the degree of isolation required by this part; or (3) wastes that the [Nuclear Regulatory] Commission has approved for disposal on a case-by-case basis in accordance with 10 CFR Part 61" (40 CFR 191.02 (i); EPA 1993).

transferred their waste to other sites for further disposition. The remaining TRU waste is currently retrievably stored at 21 sites, six of which are potential TRU waste sites (see Figure 1 and Section 4.2 for potential waste categories). The inventory data cut-off date for this report was December 31, 2006, with limited changes for selected waste streams through May 2008. From WIPP's opening on March 26, 1999, through December 31, 2006, 5,347 shipments of CH-TRU waste were safely characterized, transported, and disposed in WIPP (Moody 2007a).

For improvement of the data collection process, the inventory team used an internal checklist containing a series of data checks and sources of changes. This checklist was used for TRU waste inventory data screening after receipt of a TRU waste site's data submittal. The inventory team contacted the sites with questions if any of the data checks and sources of changes were questioned. Data checks included:

- Challenged radionuclide inputs if only one fission product was reported or only one radionuclide in secular equilibrium with another was reported
- Distributed radionuclides with specific codes (e.g., Pu-52 and mixed fission products (MFPs))
- Checks to ensure no waste stream was reported greater than 23,000 curies per cubic meter (Ci/m^3)
- Checks to ensure that if cement was reported in a comments field, it was reported as a waste material parameter in kilograms per cubic meter (kg/m^3)
- If prohibited hazardous waste numbers were reported, the TRU waste site was required to identify the type of treatment that would be applied to make the waste shippable to WIPP.

For further improvement, additional data checks will be added for complexing agents (chelating agents) and oxyanions when checking a TRU waste site's data submittal for the *Annual Transuranic Waste Inventory Report—2008.*

The DOE must demonstrate compliance with all applicable regulations for the permanent disposal of TRU defense waste in the WIPP repository. These regulations are the environmental standards for management and disposal of TRU defense waste, as mandated in 40 CFR Parts 191 and 194, and RCRA regulations, where the New Mexico Environment Department has primacy. Compliance demonstration through PA modeling calculations for certification and recertification is based on the estimated inventory of emplaced, stored, and projected waste streams compiled in TRU waste inventory reports. Thus, the best available estimated inventory is needed.

The *WIPP TRU Waste Baseline Inventory Report* (WTWBIR), Revision 0 (DOE 1994) and Revision 1 (DOE 1995a), provided the first set of data to be included in PA modeling calculations. The *Transuranic Waste Baseline Inventory Report* (TWBIR), Revision 2 (DOE 1995b), expanded the original purpose of Revisions 0 and 1 by providing an estimate of the total DOE TRU waste inventory in order to meet LWA requirements, including non-defense, commercial, polychlorinated biphenyl-contaminated, and buried (predominately pre-1970) TRU wastes that were not planned at the time for disposal in WIPP. Since that time, Idaho National Engineering and Environmental Laboratory (INEEL) (now the Idaho National Laboratory [INL])

has begun preparations to ship pre-1970 buried waste to WIPP, as mandated by a federal district court order.[3]

The TWBIR, Revision 3 (DOE 1996a), was based on TWBIR Revision 2 data supplemented by data in several memoranda issued during early calendar year (CY) 1996. These memoranda summarize additional data requested from the DOE TRU waste sites to support PA modeling calculations used in the development of the WIPP *Compliance Certification Application* (CCA) (DOE 1996b). The supplemental information was generated from specific data requests after the publication of Revision 2, and the data were published in appendices in Revision 3. The supplemental data of Revision 3 included estimates for complexing agents, oxyanions, and cement content in solidified waste.

Knowing that waste inventory information is subject to change as a result of characterization activities, improved estimation processes, emplacement of waste in WIPP, and ongoing generation activities, the EPA requested that an update to the CCA inventory be included in the CRA-2004 inventory (Appendix DATA, Attachment F). The *Transuranic Waste Baseline Inventory Report - 2004* (TWBIR-2004) (DOE 2006b) was a revision of Appendix DATA, Attachment F. This update was provided for the Performance Assessment Baseline Calculation (PABC; Leigh et al. 2005a; Leigh et al. 2005b) as requested by EPA to support their completeness review and approval process (Cotsworth 2005).

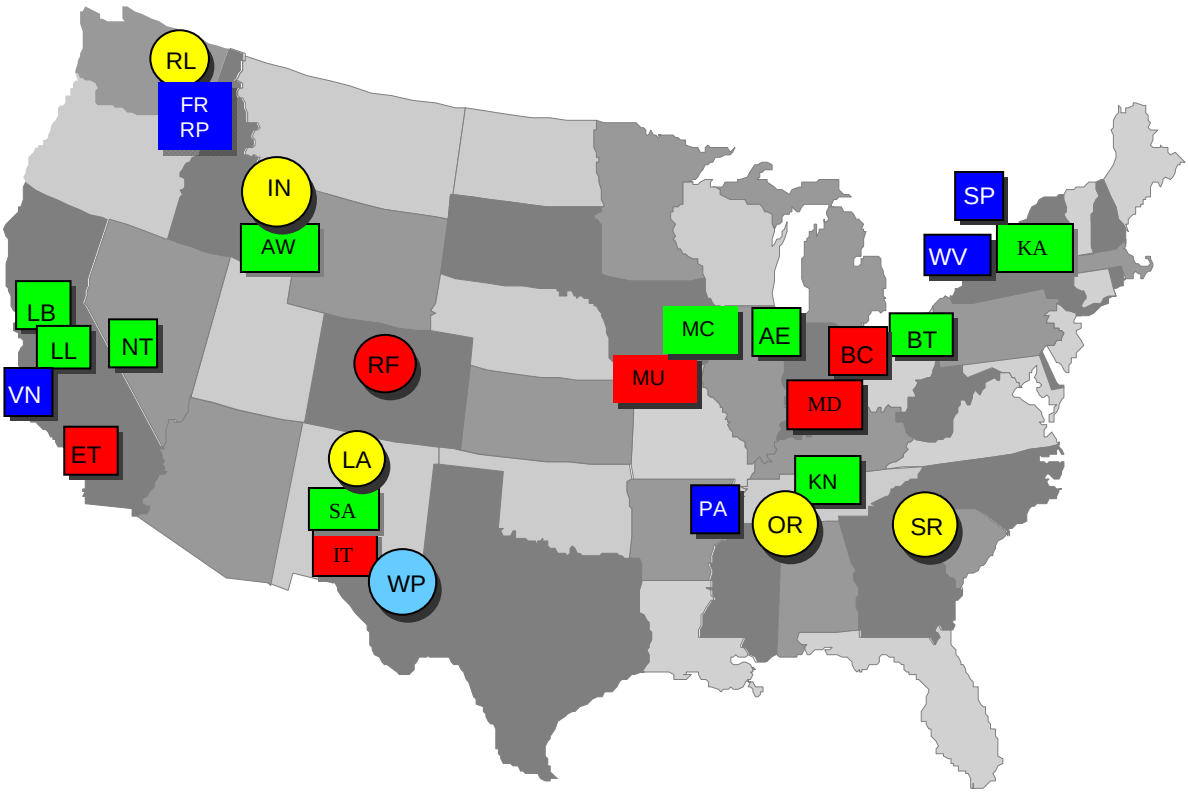
This revision is the result of the discovery of a calculation error based on the methodology used by Los Alamos National Laboratory (LANL) to report radionuclide activity concentration for their waste streams. The site provided their methodology for determination of radionuclide activity concentration which was based on the concentration within the smallest applicable volume of a container in the waste stream. As an example, if Pu-238 was disposed in 1-gallon paint cans, the concentration (in Ci/m^3) was calculated by the summing the activity for Pu-238 and dividing by the volume of the 1-gallon paint cans in which it was found. This resulted in an inordinately high activity concentration for the CH- and RH- waste streams because the same methodology was applied to all LANL waste streams. Therefore, LANL recalculated activity concentrations for all of their waste streams based on the final form volume of the entire waste stream.

This report contains the relevant information needed to perform PA modeling calculations, as well as information that can be used by DOE Carlsbad Field Office (CBFO) management at WIPP for planning purposes. This information is maintained in the *Comprehensive Inventory Database [CID] Version 1.00 Schema Version 1.00, Data Version D.6.06* (hereafter referred to as CID Data Version D.6.06) (LANL-CO 2008). The CID database is qualified by the CBFO *Quality Assurance Program Document* (QAPD) (DOE 2007). This report and the CID will be updated annually to identify changes that may affect the performance of the WIPP repository and will allow better tracking of the TRU waste inventory over time (for a detailed summary of inventory changes reported this year see Appendix D).

[3]Public Serv. Co. v. Kempthorne, 2006 U.S. Dist. LEXIS 34584 (D. Idaho May 25, 2006) (under rules of contract interpretation, the 1995 agreement between the U.S. Department of Energy and the State of Idaho requires the Department to remove transuranic waste in a subsurface disposal area as well as in an above ground storage area at the Department's Idaho facility by 2018).

The methodology used to collect information from the DOE TRU waste sites and enter it into the CID is captured in the following Los Alamos National Laboratory-Carlsbad Operations (LANL-CO) procedures: INV-SP-01, *Data Collection, Data Management and Control for the Comprehensive Inventory* (LANL-CO 2007b), and INV-SP-02, *Entry, Verification and Validation of Inventory Information in the Comprehensive Inventory Database* (LANL-CO 2007c).

This work was performed under the LANL-CO Quality Assurance (QA) Program. The LANL-CO QA Program is fully compliant with the requirements set forth in the CBFO QAPD. The processes used by the LANL-CO TRU Waste Inventory Team to collect, maintain, and report inventory information are graded and implemented to NQA-1 standards under the LANL-CO QA Program. This includes the software QA procedures used to qualify the CID and other software used to analyze TRU waste inventory information. LANL-CO software QA is documented in LCO-QPD-02, *Software Quality Assurance Plan* (LANL-CO 2007d), and LCO-QP19-1, *Software Quality Assurance* (LANL-CO 2007e).



Yellow – Large Quantity Site | Green – Small Quantity Site | Red – Sites that are de-inventoried of TRU waste | Blue – Potential TRU Waste Site

AE	Argonne National Laboratory
AW	Material and Fuels Complex (MFC)
BC	Battelle Columbus Laboratories (BCL)—shipped to RL and SR
BT	Bettis Atomic Power Laboratory (BAPL)
ET	Energy Technology Engineering Center—shipped to RL
FR	Framatome (AREVA) (Potential)
IN	Idaho National Laboratory
IT	Inhalation Toxicology Research Institute (ITRI) (known as Lovelace Respiratory Research Institute) - shipped to SA
KA	Knolls Atomic Power Laboratory
KN	Knolls Atomic Power Laboratory-Nuclear Fuels Services
LA	Los Alamos National Laboratory
LB	Lawrence Berkeley Laboratory (LBL)
LL	Lawrence Livermore National Laboratory (LLNL)
MC	U.S. Army Materiel Command (USAMC)
MD	Mound Plant – shipped to SR
MU	University of Missouri Research Reactor—shipped to AE, then to WIPP
NT	Nevada Test Site (NTS)
OR	Oak Ridge National Laboratory
PA	Paducah Gaseous Diffusion Plant (Potential)
RF	Rocky Flats Environmental Technology Site—shipped to WIPP
RL	Hanford Site (Richland Operations Office)
RP	Hanford Site (Office of River Protection) (Potential)
SA	Sandia National Laboratories
SP	Separations Process Research Unit (Potential)
SR	Savannah River Site (SRS)
VN	General Electric Vallecitos Nuclear Center (Potential)
WV	West Valley Demonstration Project (Potential)
WP	Waste Isolation Pilot Plant

FIGURE 1. U.S. DEPARTMENT OF ENERGY TRU WASTE SITES

1.2 Sources of Transuranic Waste Information

This report includes information taken from the TWBIR, Revisions 2 and 3, the WIPP Waste Information System (WWIS) database, the TWBIR-2004, Acceptable Knowledge (AK), and updated information provided by the DOE TRU waste sites. The TWBIR, Revision 2, and Revision 3 (which used the same data as Revision 2 plus supplemental data needed for CCA PA modeling calculations) provide historical information. The WWIS provides characterization information on the emplaced portion of the TRU waste inventory. The TWBIR-2004 provided TRU waste inventory information for the CRA-2004 and was the "starting point" for the DOE TRU waste sites to update information for this report.

The WIPP has been open and receiving waste since March 1999; therefore, characterization data for the emplaced waste (45,657 m^3) through December 31, 2006, as obtained from the WWIS, are included in this report. In addition to updates from TRU waste sites, information obtained from approved site-specific AK summary reports has been incorporated to provide the most current information on waste streams being characterized and shipped to WIPP. Site visits and onsite interviews facilitated data collection, and site validation of data in the CID ensured accurate representation of data.

Since the issuance of TWBIR-2004, improvements in this report include: use of robust data collection and data management, implementation of LANL-CO QA and records management procedures, connection of site data submittals and records directly to the CID, and maintenance of site inventory records in one location. These improvements, along with ongoing efforts to standardize data development, tracking, and validation, have greatly improved the current inventory and will result in fewer changes for future annual updates.

1.3 Information Used in WIPP Performance Assessment

For PA modeling calculations, the Sandia National Laboratories-Carlsbad Program Group (SNL-CPG) (Dunagan 2007) has requested the following data:

- Waste stream volumes (in m^3).

- Inventory of radionuclides on a waste stream basis for both CH- and RH-TRU waste, as curies and decayed to the years 2033, 2133, 2383, 3033, 7033, and 12033.

    - For waste stream-level inventories, the following are needed: ^{241}Am, ^{243}Am, ^{244}Cm, ^{137}Cs, ^{237}Np, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{241}Pu, ^{242}Pu, ^{244}Pu, ^{90}Sr, ^{229}Th, ^{230}Th, ^{232}Th, ^{233}U, ^{234}U, ^{235}U, ^{236}U, and ^{238}U

    - For WIPP-scale inventories, the following are needed: ^{227}Ac, ^{241}Am, ^{243}Am, ^{14}C, ^{249}Cf, ^{251}Cf, ^{252}Cf, ^{243}Cm, ^{244}Cm, ^{245}Cm, ^{246}Cm, ^{247}Cm, ^{248}Cm, ^{250}Cm, ^{135}Cs, ^{137}Cs, ^{129}I, ^{59}Ni, ^{63}Ni, ^{237}Np, ^{231}Pa, ^{210}Pb, ^{107}Pd, ^{147}Pm, ^{238}Pu, ^{239}Pu, ^{240}Pu, ^{241}Pu, ^{242}Pu, ^{244}Pu, ^{226}Ra, ^{79}Se, ^{147}Sm, ^{151}Sm, ^{121m}Sn, ^{126}Sn, ^{90}Sr, ^{99}Tc, ^{229}Th, ^{230}Th, ^{232}Th, ^{232}U, ^{233}U, ^{234}U, ^{235}U, ^{236}U, ^{238}U, and ^{93}Zr

- Inventory of all non-radioactive WMPs that were previously tracked on a waste stream basis for both CH- and RH-TRU waste. The WMPs include: iron-based metal/alloy,

aluminum-based metal/alloy, other metal/alloys, other inorganic materials, vitrified materials, cellulosic, plastic, and rubber (CPR) material, solidified inorganic material, solidified organic material, cements, soils, steel from packaging, plastic/liners from packaging, and lead from RH-TRU waste packaging. All non-radioactive WMPs are reported in average densities (kg/m^3) except for cements, which are also reported as masses (kg).

- Inventory of any other non-radioactive waste materials that are discovered to account for a significant portion (greater than 5 percent by weight or volume) of a waste stream as a result of changes to the inventory.

- Inventory of CPR and other biodegradable materials used to facilitate emplacement of waste and magnesium oxide (MgO) in WIPP, supplied as average densities (kg/m^3) for both CH- and RH-TRU waste.

- Inventory of organic complexing agents and oxyanions (sulfate, nitrate, and phosphate) reported in masses (kg).

- Waste-stream-level inventories of radionuclides and non-radioactive WMPs for emplaced waste.

1.4 Other Uses of Transuranic Waste Inventory Information

In addition to providing TRU waste inventory information for PA modeling calculations, the CID was also developed to be used for other purposes. For planning purposes, CBFO management at WIPP needs TRU waste inventory information for waste that has already been generated and is stored in both "currently stored" and "final form" (compliantly packaged and intended for shipment to WIPP) configurations at the DOE TRU waste sites and for waste that will be generated by the sites (projected waste). Specifically, CBFO management will use TRU waste inventory information to plan waste retrieval, treatment, repackaging, characterization, shipment, and disposal for both stored and projected wastes. Site-specific work plans, which detail approaches for moving TRU waste to WIPP, have been developed and are continually updated using TRU waste inventory information.

Other technical uses for the TRU waste inventory include availability of information for activities such as National Environmental Policy Act (NEPA) analyses and to support the development of new containers or shipping packages.

2.0 METHODOLOGY

This report provides information that was collected from the DOE TRU waste sites beginning with a DOE request (Patterson 2006) for the sites to update the data provided for the TWBIR-2004. This report was generated under the LANL-CO QA Program, which was developed to support the DOE CBFO National TRU Program. The LANL-CO TRU waste inventory team completed the following steps in order to generate this report:

1. Collected TRU waste stream information from the DOE TRU waste sites via site visits and additional communication, as needed.

2. Entered the updated information into the CID.

3. Performed necessary analyses of the information to report data that are required for PAs, in accordance with LCO-QP9-1, *Analyses* (LANL-CO 2005).

4. Generated fully qualified data tables and associated fields from the CID.

5. Submitted the above results as official WIPP records acceptable for use in PA modeling calculations, in accordance with LCO-QP17-1, *Record Management* (LANL-CO 2007a).

The following sections describe the three basic process steps leading to the issuance of this report. Section 2.1 discusses collection, compilation, verification, and validation of TRU waste inventory information. Section 2.2 describes preparation of the TRU waste disposal inventory. Section 2.3 describes the analyses that were completed to support this report.

2.1 Collection, Compilation, Verification, and Validation of Inventory Information

For purposes of the second recertification, CRA-2009, the EPA has been concerned with changes in the TRU waste inventory since the CRA-2004. Therefore, each DOE TRU waste site was sent their TRU waste inventory information from the TWBIR-2004, which supported the CRA-2004. The information was entered into a Microsoft™ Excel spreadsheet (template) that contained fields found in the CID. The sites were requested to update any existing information and add information in the new fields.

The TRU waste inventory team visited all of the large quantity sites and several of the small quantity sites to assist them in completing the template. After the templates were completed, the team checked the templates for accuracy and consistency in accordance with INV-SP-01, *Data Collection, Data Management and Control for the Comprehensive Inventory* (LANL-CO 2007b). If discrepancies were found, they were corrected in accordance with INV-SP-02, *Entry, Verification and Validation of Inventory Information in the Comprehensive Inventory Database* (LANL-CO 2007c). The TRU waste inventory information was then uploaded into the CID and verified by an inventory team member who had not been involved in the upload. After this internal, independent verification, validation reports were prepared and sent to the DOE TRU waste site managers. A letter signed by each site manager documented validation of the information in the database. Hard copies of the information and signed letters were then submitted to the LANL-CO Record Center (see Figure 2 for a flow chart of the TRU waste inventory process) in accordance with LCO-QP17-1, *Record Management* (LANL-CO 2007a).

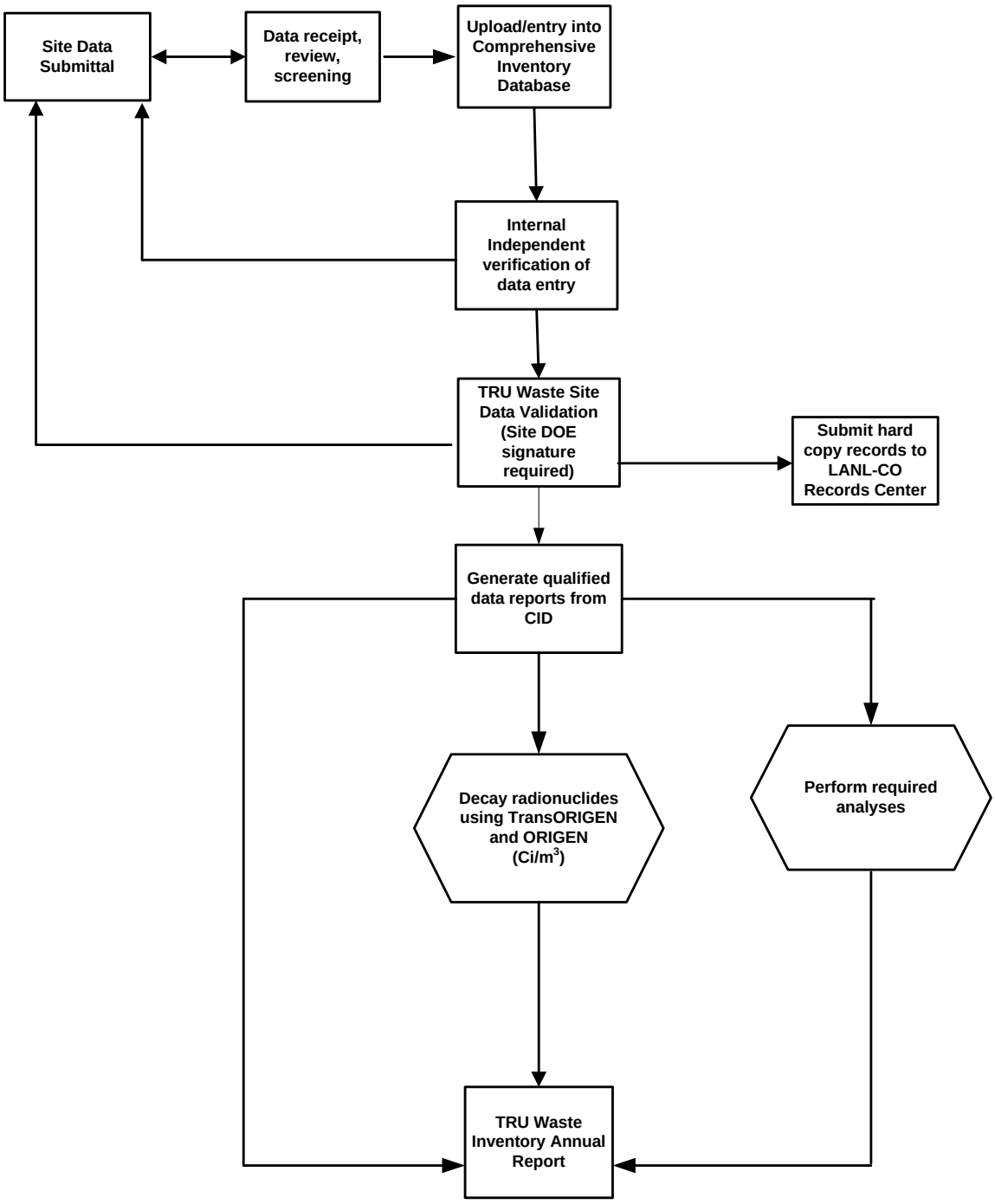


FIGURE 2. TRU WASTE INVENTORY PROCESS FLOWCHART

2.2 Preparation of the Transuranic Waste Disposal Inventory

Data tables included in this report were generated by the CID; the new database developed using Microsoft™ Access Data Project ™ (ADP) technology with a Microsoft SQL [structured query language] Server™ back end. ADP technology allows multiple users to run "front-end" clients while simultaneously accessing a common data store, which is a database running on a Microsoft

SQL Server® 2000 platform. ADP differs from the traditional distributed Microsoft Access database (MDB) solution in that it is a specific file type that stores user objects – such as forms, reports, macros, and Visual Basic for Applications code modules – while all the other objects – tables, stored procedures, user-defined functions, and views – are stored on the database server. This allows for more efficient data storage and utility. An SQL server makes the use of real-time CID data more scalable than it would be in a traditional MDB file.

The CID was used to manage, maintain, and perform calculations on the inventory data, which were then used to generate qualified data reports and tables. The following sections describe how the data were prepared for this report.

2.2.1 Volume and Scaling Calculations

PAs conducted in support of WIPP have been predicated on the assumption that the WIPP repository would be filled to its design capacity at the time of closure. The design capacity for WIPP is 175,564 m^3 (6,200,000 ft^3), as set by the LWA, with a limit of 7079 m^3 (250,000 ft^3) for RH-TRU waste as imposed by the Consultation and Cooperation Agreement (C&C Agreement) (DOE and State of New Mexico 1988); therefore, the difference in the design capacity and the RH-TRU limit sets the CH-TRU disposal limit at 168,485 m^3 (5,950,000 ft^3). The volume of anticipated (stored plus projected) and emplaced TRU waste reported by the DOE TRU waste sites in support of this report is less than the design capacity for WIPP. Therefore, scaling the TRU waste volumes to the design capacity for each in WIPP is necessary for PA (scaling is also applied to the radionuclides, chemical components, and CPR). The *scaled* inventory for PA is referred to as the TRU waste "disposal" volume. Scaling is performed only on projected waste. The roll-up and scaling calculations performed in support of this report were performed in the CID.

The waste stream volumes were derived by summing the waste-stream-level data into a site-level roll-up. For each DOE TRU waste site, all stored waste stream volumes (v_s) were summed to arrive at the total stored volume for the site, V_s. All projected waste stream volumes (v_p) were summed to arrive at the total projected volume for the site, V_p. The sum of the total stored volume and the total projected volume is the total anticipated volume, V_a (see equation 1):

$$V_a = V_s + V_p \tag{1}$$

where

V_a is the total anticipated volume
V_s is the total stored volume
V_p is the total projected volume

Since the total reported volume of CH-TRU waste is less than the WIPP disposal limit of 168,485 m^3 (5,950,000 ft^3), the projected volume was scaled so the total volume equaled the CH-TRU waste disposal limit for WIPP. The scaling factor for CH-TRU waste was calculated using equation 2 applied to the WIPP waste streams:

$$SF_{CH} = (\text{CH TRU Disposal Limit in } m^3 - (V_s + V_e))/V_p \tag{2}$$

where

SF_{CH} is the scaling factor for the CH-TRU waste volume
V_s is the total stored volume over all waste streams and all sites for CH-TRU waste
V_e is the total emplaced volume for CH-TRU waste over all waste streams and all sites as of December 31, 2006
V_p is the total projected volume over all waste streams and all sites for CH-TRU waste

The disposal inventory for a single CH-TRU waste stream was obtained by multiplying the CH-TRU waste projected volume by the CH-TRU waste scaling factor and adding that value to the stored and emplaced volumes for each waste stream, as shown in equation 3:

$$v_{CH\text{-}Disposal} = SF_{CH}\,(v_p) + v_s + v_e \quad (3)$$

where

$v_{CH\text{-}Disposal}$ is the disposal volume for CH-TRU waste for a single waste stream
SF_{CH} is the scaling factor for the CH-TRU waste volume
v_p is the projected inventory volume for a single CH-TRU waste stream before scaling
v_s is the stored inventory volume for a single CH-TRU waste stream
v_e is the emplaced inventory volume for a single CH-TRU waste stream

The scaling factor for RH-TRU waste is calculated in the same manner as the CH-TRU waste scaling factor using RH-TRU waste inventory volumes and the allowed RH-TRU waste capacity.

The total disposal inventory for the WIPP repository is the sum of the disposal volumes for CH- and RH-TRU waste for all waste streams after scaling ($V_{CH\text{-}Disposal}$ and $V_{RH\text{-}Disposal}$).

Table 2-1 shows the calculation results for the CH- and RH-TRU waste scaling factors for this report based on the unscaled inventory volumes presented in Tables 3.1 and 3.2, respectively. The total CH-TRU waste disposal inventory, $V_{CH\text{-}Disposal}$, is the sum of the scaled CH-TRU waste stream volumes. The disposal waste stream volumes for the CH- and RH-TRU waste streams included in the estimate of volume for PA are given in Appendix E.

Table 2-1. Volume Scaling Factors

Contact-Handled Waste	
WIPP Capacity for CH Waste	1.68E+05 m^3
Total Stored CH Volume (V_s)	9.99E+04 m^3
Total Projected CH Volume (V_p)	2.96E+03 m^3
Total Emplaced CH Volume (V_e)	4.57E+04 m^3
CH Volume Scaling Factor (SF_{CH})	**7.74E+00**
Remote-Handled Waste	
WIPP Capacity for RH Waste	7.08E+03 m^3
Total Stored RH Volume (V_s)	2.67E+03 m^3
Total Projected RH Volume (V_p)	6.72E+02 m^3
Total Emplaced RH Volume (V_e)	0.00E+00 m^3
RH Volume Scaling Factor (SF_{RH})	**6.56E+00**

Data Source: CID Data Version D.6.06, LANL-CO 2008.
NOTE: Actual numerical values have been rounded for presentation purposes.

These CH and RH scaling factors are larger than the scaling factors reported for TWBIR 2004 (see Appendix D for comparisons) mainly due to the re-categorization (moved from WIPP Bound Waste to Potential TRU Waste; Moody 2007b) of all the waste streams from the Hanford Office of River Protection and the sodium-bearing waste streams from INL.

2.2.2 Waste Material Calculations

The DOE has many reasons for obtaining and tracking non-radiological information about the TRU waste inventory destined for WIPP. For example, the DOE tracks the waste materials that go into the WIPP repository (i.e., CPR) because they may affect gas generation in the repository (Dunagan 2007). In addition, the DOE needs to know the non-radiological properties of the waste not only for PA purposes, but also to support safe transportation of TRU waste and operation of the WIPP facility.

As part of the data call for this report, the DOE TRU waste sites were asked to update the information about the materials contained in the waste. For each waste stream, they were asked to revisit the final waste forms and to update, if necessary, the density of each of the WMPs for the waste stream.

Waste streams were sometimes comprised of more than one container type (e.g., 55-gallon drums and standard waste boxes [SWBs]). In these instances, when the DOE TRU waste site provided only one set of WMPs, those WMPs were used for both container types, except for the packaging material parameters, which were corrected for the container type using the packaging densities given in section 3.2.2. The CID contains the WMP list for every container type in a waste stream. However, the waste profiles in Appendices A and C (WIPP-bound and potential TRU waste, respectively) have a weighted average of the WMPs for all container types used in a waste stream. If the site provided a WMP list for each container type, those lists were

maintained in the CID and a weighted average of the WMPs for all container types was used in the waste profiles.

2.2.2.1 Waste Isolation Pilot Plant-Average Waste Material Parameter Densities

PAs conducted in support of WIPP have been predicated on the assumption that waste materials are distributed homogeneously throughout the WIPP repository. As a result, a WIPP average value for waste material densities is needed for PA.

The roll-up of WMP average densities required combining data from all of the WIPP TRU waste streams reported by the DOE TRU waste sites. A weighted average value for the WMP based on the individual waste stream volumes in the total inventory was calculated in the CID from the WMP average densities provided by the sites as shown in equations 4, 5, and 6:

$$^{WM}m_i = {}^{WM}p_i \cdot v_i \quad (4)$$

$$^{WM}M = \sum {}^{WM}m_i \quad (5)$$

$$^{WM}P = {}^{WM}M / V \quad (6)$$

where

- $^{WM}m_i$ is the mass of the waste material (WM) in waste stream i
- $^{WM}p_i$ is the average density of the WM in waste stream i
- v_i is the actual (not scaled) volume of waste stream i (stored + projected + emplaced)
- ^{WM}M is the total mass of WM in all WIPP-bound waste streams
- ^{WM}P is the average density of the WM in all (stored + projected + emplaced) WIPP-bound waste streams
- V is the actual (not scaled) volume of all (stored + projected + emplaced) WIPP-bound waste streams

2.2.3 Radionuclide Calculations

The DOE TRU waste sites were asked to update information about the radiological components in the waste they intend to ship to WIPP. For each waste stream, they were asked to update the radionuclide activity concentrations (in Ci/m^3) and to provide the generation or last assay date for each waste stream.

The radionuclide data provided by the DOE TRU waste sites consisted of radionuclide activity concentrations at the date of assay (if the waste stream was assayed) or at the date that the site calculated the activity concentrations. For PA purposes, all radionuclides reported by waste stream must be decayed to a common time frame to facilitate comparison of data (Dunagan 2007). Therefore, all radionuclide data provided in this report in Appendices A, B, and C were decay-corrected to the common base year of CY 2006 (December 31, 2006).

The radionuclide activity concentrations reported by the DOE TRU waste sites were exported from the CID into an external application, Oak Ridge National Laboratory (ORNL) Radiation Safety Information Computational Center *RSICC Computer Code Collection: ORIGEN 2.2, Isotope Generation and Depletion Code Matrix Exponential Method* (ORNL 2002), where the radionuclide decay calculations were performed, and then imported back into the CID. ORIGEN

2.2 uses a matrix exponential method to solve a large system of coupled, linear, first-order ordinary differential equations with constant coefficients. ORIGEN 2.2 has been qualified under the LANL-CO QA Program using LCO-QP19-1, *Software Quality Assurance* (LANL 2007e). A separate analysis describing the use of TransOrigen.xls, a pre- and post-processor Excel workbook application for ORIGEN 2.2, is used to qualify data uploads and unit conversion. This workbook provides a user-friendly interface to process TRU waste stream data from ORIGEN 2.2 by facilitating the creation of input files and post-processing the output files (Van Soest 2008b).

Scaled waste stream volumes were used to calculate waste stream radionuclide activity from the decayed ORIGEN 2.2 radionuclide activity concentrations as shown in equation 7 and are presented in Appendix E for seven decay scenarios:

$$a(RN)_{Disposal} = \alpha(RN) \cdot v_{Disposal} \quad (7)$$

where

$a(RN)_{Disposal}$	is the activity of the radionuclide RN in the scaled waste stream volume
$\alpha(RN)$	is the decayed radionuclide activity concentration in Ci/m^3 from ORIGEN 2.2 for radionuclide RN
$v_{Disposal}$	is the scaled waste stream disposal volume (see section 2.2.1) for CH- or RH-TRU waste

The WIPP disposal (see section 3.4 for discussion on WIPP-level roll-up scaling) radionuclide activities were calculated as shown in equations 8 and 9 for both CH- and RH-TRU waste, respectively. In the first step, the activities of each radionuclide in the scaled waste stream volumes ($a(RN)_{Disposal}$) are summed for all TRU waste streams to give the total activity for each radionuclide in CH- and RH-TRU waste in the WIPP repository. In the second step, the total activity for each radionuclide in CH- and RH-TRU waste in the repository is divided by the volume limit (168,485 m^3 [5,950,000 ft^3] for CH-TRU waste and 7,079 m^3 [250,000 ft^3] for RH-TRU waste) to give the activity concentration for a radionuclide in CH- or RH-TRU waste in the repository.

$$A(RN) = \Sigma\, a(RN)_{Disposal} \quad (8)$$

$$\hat{A}(RN) = A(RN)/Limit \quad (9)$$

where

$A(RN)$	is the total activity (Ci) for a radionuclide in CH- or RH-TRU waste in the repository (after scaling)
$a(RN)_{Disposal}$	is the activity (Ci) of the radionuclide RN in the scaled waste stream volume
$\hat{A}(RN)$	is the activity concentration for a radionuclide in CH- or RH-TRU waste in the repository (Ci/m^3)
$Limit$	is 168,485 m^3 (5,950,000 ft^3) for CH-TRU waste and 7,079 m^3 (250,000 ft^3) for RH-TRU waste

2.2.4 Uncertainty Analysis for Proposed Transuranic Waste Inventory

The TRU waste inventory used in PA is divided into three parts: 1) estimates of volumetric data, 2) estimates of non-radiological waste material data, and 3) estimates of radiological data. Each part includes the best estimates each DOE TRU waste site may have for a given set of containers managed as TRU waste. The uncertainty associated with these estimates increases or decreases, based on the sites' knowledge of their waste and amount of characterization information available.

As an example, volumetric information is available on waste that has been emplaced in the WIPP repository (emplaced waste volume), waste stored at the sites (stored waste volume), and waste expected to be generated by the sites in the future (projected waste volumes). The most accurate estimate of emplaced waste volume is reported in the WWIS. Since each drum is accounted for during emplacement, there is no error associated with the container count in the WWIS. However, depending on how the information is reported, there may be rounding errors as large as 1.1 percent associated with the volumes for ten-drum overpacks (TDOPs). The same uncertainty is assumed to be applicable for the stored waste at the DOE TRU waste sites, as each site maintains an accurate count of containers in storage. The largest uncertainty is that associated with the projected waste. This uncertainty can be as high as 100 percent, depending on processes and programs that may or may not be supported at the DOE TRU waste sites in the future. This projected waste volume will decrease as programs are defined and implemented and waste is generated. As programs reach maturity and more waste is emplaced, the uncertainty associated with projected volumes will diminish. With the wide variance of program maturity throughout the DOE complex and the uncertainty in future funding of these programs, the projected volumes will be difficult to quantify.

The uncertainty for WMPs for emplaced waste is not reported in the WWIS and therefore is not accounted for in the emplaced TRU waste inventory. However, an evaluation of CPR uncertainty was performed in 2006 (Kirchner 2006) supporting reduction in the mass of MgO required in the WIPP repository. This evaluation indicated that the uncertainty of the CPR materials in a room filled with 11,000 drums would be less than 0.3 percent. This same uncertainty could be applied to other WMPs.

The uncertainty of radionuclide measurements for emplaced waste is reported for all data collected during non-destructive assay characterization and is available in the WWIS. All radionuclide data reported for emplaced containers include the uncertainty in the final reported value.

Since volume is a contributing factor to WMP densities and radionuclide activity concentrations, the error in waste volumes should be considered in determining these estimates. However, the projected volume cannot be quantified for all of the waste streams in the repository. Therefore, the uncertainties for WMP and radionuclide estimates were determined from an analysis comparing emplaced waste volumes to those estimated in the inventory used to support the PABC (Crawford 2006). The uncertainties for WMP and radionuclide estimates for anticipated waste (stored + projected) have been reported to be less than 5 percent, based on a comparison of estimated and emplaced information for Rocky Flats Environmental Technology Site (RFETS). As waste streams are characterized and eventually emplaced, the uncertainty is expected to drop from 5 percent to less than 0.3 percent as determined for WMPs (Kirchner 2006). Uncertainties

in TRU waste inventory parameters will decrease as more waste is characterized and emplaced, and projected waste streams are actualized.

2.3 Analyses Supporting the Annual Transuranic Waste Inventory Report - 2007

In addition to collecting and processing information from the DOE TRU waste sites and securing the site information in a qualified database for future use, analyses were performed on the information to support this report. For example, information on emplaced waste was obtained from the WWIS and migrated into standardized CID Import Template (CIT) files; materials used to emplace waste (CPR, etc.) were calculated for a full repository (i.e., scaled); and the estimated chemical masses of organic ligands, oxyanions, and solidified cements in the disposal volume for WIPP were calculated.

These analyses were performed and documented in accordance with LCO-QP9-1, *Analyses* (LANL-CO 2005). Some analyses were identified in INV-AP-01, Revision 2, *Analysis Plan for Transuranic Inventory* (LANL-CO 2006). Other analyses were performed as needed to support the inventory process as required by INV-SP-01, *Data Collection, Data Management and Control for the Comprehensive Inventory* (LANL-CO 2007b).

2.3.1 Analysis of WIPP Waste Information System/Emplaced Data

In order to account for TRU waste emplaced in the WIPP repository at the time of the inventory cut-off date, a documented request was made of the WWIS database administrators to supply data for the waste emplaced as of December 31, 2006. In order to effectively import the WWIS data into the CID, the WWIS data submittal was first migrated into standardized CIT files. This migration to the CIT files required that the original WWIS data submittal undergo various transformations, including but not limited to calculations, aggregations, and data mapping. An analysis was performed (Van Soest 2007) to document these activities in order to properly format the WWIS data for insertion into the CIT files. The results of this analysis are presented in sections 3.1 through 3.4.

2.3.2 Analysis of Emplacement Materials Based on a Full Repository

This analysis was conducted to update CPR materials that are used to facilitate the emplacement of waste at WIPP. This inventory of emplacement materials was calculated and is a best estimate based on current knowledge of the number and type of containers and the emplacement schemes expected to be used by the DOE TRU waste sites and WIPP Waste Handling Operations (WHO) (Crawford 2007). This analysis provides the expected disposal CPR and includes emplacement materials used for waste emplaced and anticipated to be emplaced in the WIPP repository (see section 3.2.3). The results of this analysis take into account packaging configurations used by WHO and include emplacement materials that apply to 7-packs of 55-gallon drums, 4-packs of 85-gallon drums, 3-packs of 100-gallon drums, SWBs, TDOPs, RH canisters, standard large box 2s (SLB2s; 5 ft x 5 ft x 8 ft), and MgO supersacks (woven plastic bags). To calculate the disposal mass of CPR materials introduced incidental to the waste emplacement process, the following process was used:

- The number and type of each waste container was calculated for emplaced, stored, and projected waste.

- The projected waste volume value was scaled to a full repository value using the CH- and RH-TRU waste scaling factors, determined in section 2.2.1, and added to the un-scaled stored and emplaced volumes.
- Using a list of emplacement assumptions and the results of calculations for numbers of containers by type, the numbers of waste emplacement units were calculated.
- Quantities of CPR materials for emplacement units were calculated from the assumptions and the known mass of CPR materials for the configuration of each waste emplacement unit.
- Waste emplacement units were then mathematically constructed into waste stacks using the emplacement assumptions for each container type. This allowed for the calculation of the number of supersacks to be emplaced on each stack and their CPR contribution.
- The contribution of CPR for each emplacement unit, stack, and supersack was summed and reported as an emplacement material total for the repository.

These calculations were performed using data from the CID on the TRU waste inventory as of December 31, 2006. The results of this analysis are presented in section 3.2.3.

2.3.3 Analysis for Chemical Components

In response to a request from SNL-CPG (Dunagan 2007), this report provides information about the chemical components of the waste similar to that supplied in support of the CCA PA by the TWBIR, Revision 3, and in support of the CRA-2004 PA by the TWBIR-2004. This includes a calculation of the disposal mass of organic ligands (complexing agents), the disposal mass of oxyanions (nitrate, sulfate, and phosphate), and the disposal mass of solidified cements expected in the disposal volume for WIPP. The DOE TRU waste sites reported the complexing agents and oxyanions in weight percent and the cements as a density (in kg/m^3). PA requires mass units (kg) (Dunagan 2007) for complexing agents, oxyanions, and cements; therefore, an analysis was performed to convert these data (which are in the CID) into kg. The analysis (Van Soest 2008a) compared the CID data with previously published totals from the TWBIR-2004. With the understanding that some of this waste may have been emplaced at WIPP since this report, it is recognized that the 2006 data reported by the sites may reflect lesser amounts of chemical components. In order to conservatively report the mass of the chemical components, the following cases were developed and their respective methodology documented:

Determine whether chemical components in waste streams reported in the TWBIR-2004 are also returned in the 2006 query, recognizing and accounting for waste stream identifications (IDs) that may have been combined or divided. If so, then:

Case 1	If all or a portion of those waste streams have been shipped to and emplaced at WIPP, the greater of the TWBIR 2004 or 2006 totals will be reported, unless a specific lesser value is otherwise documented to be more accurate.
Case 2	If no waste stream has been shipped to and emplaced at WIPP, the 2006 total will be reported.

Determine whether chemical components were reported in the 2006 query and were not previously reported in the TWBIR-2004.

Case 3	Chemical components that are newly reported in 2006 will be reported.

Determine whether chemical components were reported in the TWBIR-2004 and are not returned in the 2006 query.

Case 4	If the waste streams are still identified in the 2006 inventory as WIPP-bound, have been rolled into a new waste stream ID that is WIPP-bound, or have been entirely emplaced at WIPP, the chemical component values will be carried forward and reported.
Case 5	If the waste streams have been changed to potential or removed from the inventory for other reasons, the values will not be carried forward and reported.

The results of this analysis are presented in sections 3.3.1, 3.3.2, and 3.3.3 for cements, complexing agents, and oxyanions, respectively.

3.0 TRANSURANIC WASTE INVENTORY ESTIMATES

This section presents the TRU waste inventory that was collected for this report. The data were collected and stored in the CID and were validated by the DOE TRU waste sites, as discussed in section 2.1.

This presentation of the TRU waste inventory consists of summaries of the inventory information collected from the DOE TRU waste sites and information calculated from the data submitted by the sites. Section 3.1 presents TRU waste volume information provided by the sites for CH- and RH-TRU waste and the volume of emplaced waste in the WIPP repository. Data for emplaced waste were obtained from the WWIS. Section 3.2 presents the non-radiological TRU waste inventory as reported by the sites and the WWIS. This includes roll-ups of the waste materials (section 3.2.1), packaging materials (section 3.2.2), and emplacement materials used in the repository (section 3.2.3). Section 3.3 provides information about the chemical components of the waste, and section 3.4 presents the TRU waste radionuclide inventory reported by the sites and the WWIS.

The TRU waste inventory, as collected from the DOE TRU waste sites, is presented by waste stream in Appendices A, B, and C. Appendix A presents individual waste stream profiles (WSPs) for all TRU waste streams planned for emplacement in the WIPP repository. Appendix B presents individual WSPs for all TRU waste streams that were emplaced in WIPP as of December 31, 2006. Appendix C presents individual WSPs for non-WIPP/potential-WIPP TRU waste streams, as discussed in section 4.

Appendix D presents comparisons among the CCA, CRA-2004, and this report for volume, WMPs, scaling factors, and radionuclide data. Appendix E presents the PA waste-stream-level decayed radionuclides for seven time periods, with volumes and activities scaled. Appendix F presents the crosswalk of waste streams among the TWBIR, Revision 2, the TWBIR-2004, and this report.

3.1 Transuranic Waste Volume Inventory Estimates

This section presents the TRU waste inventory volume estimates that were collected for this report. The volume estimates are stored in the CID, which contains data that have been fully qualified for use under the LANL-CO QA Program, as discussed in sections 1.1 and 2.1.

The TRU waste volume estimates were derived from the container type and count provided by the DOE TRU waste sites. The sites provided both stored and projected container types and count for both current form and final form containers. The volume for the final form was calculated using established container volumes for WIPP-approved containers so that there is consistency in the final form volume from site to site. Section 3.1.1 presents TRU waste inventory volume information for emplaced waste reported by site. Section 3.1.2 presents stored, projected, and anticipated TRU waste volumes by site. Section 3.1.3 provides the total disposal volume roll-up by site.

3.1.1 Emplaced Volumes by Site

Data on waste emplaced in the WIPP repository were obtained from the WWIS and uploaded to the CID after conversion using the analysis discussed in section 2.3.1. The information was

provided by container type and count. The volume for the emplaced waste was calculated using the same container volumes as used for the final form containers from the DOE TRU waste sites so that there was consistency with all WIPP-approved containers. The last column of Table 3-1 shows the total emplaced CH-TRU waste volume by DOE TRU waste site, and the last column of Table 3-2 shows the total emplaced RH-TRU waste volume by DOE TRU waste site.

3.1.2 Stored, Projected, and Anticipated Volumes by Site

TRU waste volume information requested from the DOE TRU waste sites falls into two categories: stored waste (i.e., waste that currently exists at the site, regardless of whether it is in its final form) and projected waste (waste that will be generated in the future). The total waste stream volume information collected from the sites included stored and projected components as applicable for each TRU waste stream. The sites also reported both current form and final form waste volumes for their waste streams. The final form volume accounts for the payload container (the volume the waste container occupies in the WIPP repository). Since PA only considers the waste volume that will be disposed in the WIPP repository, only final form volumes were used in the calculation of actual (reported by the site) and scaled (used in PA) TRU waste volumes, as discussed in section 3.1.3.

Table 3-1 shows the total CH-TRU unscaled waste stored, projected, and anticipated (stored plus projected), using final form payload volumes anticipated to be shipped to WIPP and broken out by DOE TRU waste site. Table 3-2 shows the total RH-TRU unscaled waste stored, projected, and anticipated, using final form payload volumes anticipated to be shipped to WIPP and broken out by site.

Table 3-1. WIPP CH-TRU Unscaled Waste Inventory Volumes By Site

Storage/Generator Site	Stored Volumes (m^3)	Projected Volumes (m^3)	Anticipated Volumes (m^3)	Emplaced Volumes (m^3)
Argonne National Laboratory – East	8.3E+00	7.9E+01	8.8E+01	1.2E+02
Argonne National Laboratory – West (MFC)	7.5E+00	3.0E+01	3.7E+01	0.0E+00
Bettis Atomic Power Laboratory	1.9E+01	0.0E+00	1.9E+01	0.0E+00
Hanford (Richland) Site	1.4E+04	0.0E+00	1.4E+04	2.6E+03
Idaho National Laboratory	5.9E+04	0.0E+00	5.9E+04	1.6E+04
Knolls Atomic Power Laboratory - Nuclear Fuel Services	2.1E+00	1.2E+02	1.3E+02	0.0E+00
Lawrence Berkeley Laboratory	2.1E-01	2.1E-01	4.2E-01	0.0E+00
Lawrence Livermore National Laboratory	2.9E+02	9.1E+01	3.8E+02	1.4E+02
Los Alamos National Laboratory	1.5E+04	1.1E+03	1.6E+04	1.5E+03
Nevada Test Site	3.0E+02	3.7E+02	6.7E+02	4.0E+02
Oak Ridge National Laboratory	6.8E+02	3.4E+02	1.0E+03	0.0E+00
Rocky Flats Environmental Technology Site	0.0E+00	0.0E+00	0.0E+00	1.5E+04
Sandia National Laboratories - Albuquerque	2.5E+01	4.4E+00	2.9E+01	0.0E+00
Savannah River Site	1.0E+04	8.4E+02	1.1E+04	9.6E+03
U.S. Army Materiel Command	2.1E-01	0.0E+00	2.1E-01	0.0E+00
Grand Total	**1.0E+05**	**3.0E+03**	**1.0E+05**	**4.6E+04**

Data Source: CID Data Version D.6.06, LANL-CO 2008.
NOTE: Actual numerical values have been rounded for presentation purposes.
This table contains data for WIPP-bound waste streams reported by site only; it does not include data for potential waste streams.

Table 3-2. WIPP RH-TRU Unscaled Waste Inventory Volumes By Site

Storage/Generator Site	Stored Volumes (m^3)	Projected Volumes (m^3)	Anticipated Volumes (m^3)	Emplaced Volumes (m^3)
Argonne National Laboratory - East	1.1E+01	3.2E+01	4.3E+01	0.0E+00
Argonne National Laboratory – West (MFC)	6.2E+00	3.5E+01	4.1E+01	0.0E+00
Bettis Atomic Power Laboratory	3.6E+00	0.0E+00	3.6E+00	0.0E+00
Hanford (Richland) Site	1.2E+03	1.3E+02	1.3E+03	0.0E+00
Idaho National Laboratory	3.7E+02	0.0E+00	3.7E+02	0.0E+00
Knolls Atomic Power Laboratory – Schenectady	3.0E+01	8.0E+01	1.1E+02	0.0E+00
Los Alamos National Laboratory	9.8E+01	0.0E+00	9.8E+01	0.0E+00
Oak Ridge National Laboratory	9.3E+02	3.6E+02	1.3E+03	0.0E+00
Sandia National Laboratories - Albuquerque	2.0E+01	0.0E+00	2.0E+01	0.0E+00
Savannah River Site	4.2E+01	3.6E+01	7.8E+01	0.0E+00
Grand Total	**2.7E+03**	**6.7E+02**	**3.3E+03**	**0.0E+00**

Data Source: CID Data Version D.6.06, LANL-CO 2008.
NOTE: Actual numerical values have been rounded for presentation purposes.
This table contains data for WIPP-bound waste streams reported by site only; it does not include data for potential waste streams.

3.1.3 Total Disposal Volume by Site

PAs conducted in support of WIPP have been predicated on the assumption that the WIPP repository would be filled to its design capacity at the time of closure. The design capacity for WIPP is 6,200,000 ft^3 (175,564 m^3), as set by the LWA, with a limit of 250,000 ft^3 (7,079 m^3) for RH-TRU waste as imposed by the C&C Agreement; therefore, the difference in the design capacity and the RH-TRU limit sets the CH-TRU disposal limit at 5,950,000 ft^3 (168,485 m^3). The volume of anticipated (stored plus projected) and emplaced (CH- and RH-TRU) waste reported by the DOE TRU waste sites in support of this report is less than the design capacity for WIPP. Therefore, CH- and RH-TRU waste volumes were scaled to the design capacity of WIPP for PA. The *scaled* inventory for PA is referred to as the TRU waste "disposal" volume. Scaling is performed only on the projected waste.

The TRU waste disposal volume for a CH- or RH-TRU waste stream was obtained by multiplying the projected volume by the appropriate scaling factor and adding that value to the stored and emplaced volumes for each waste stream. Section 2.2.1 discusses the CH and RH scaling factors and associated calculations. Table 3-3 shows the total WIPP waste disposal volume by site for both CH- and RH-TRU waste.

Table 3-3. WIPP CH and RH-TRU Disposal Volume By Site

Storage/Generator Site	CH (m^3)[1]	RH (m^3)[1]
Argonne National Laboratory - East	7.5E+02	2.2E+02
Argonne National Laboratory – West (MFC)	2.4E+02	2.3E+02
Bettis Atomic Power Laboratory	1.9E+01	3.6E+00
Hanford (Richland) Site	1.6E+04	2.0E+03
Idaho National Laboratory	7.6E+04	3.7E+02
Knolls Atomic Power Laboratory - Nuclear Fuel Services	9.7E+02	0.0E+00
Knolls Atomic Power Laboratory - Schenectady	0.0E+00	5.6E+02
Lawrence Berkeley Laboratory	1.8E+00	0.0E+00
Lawrence Livermore National Laboratory	1.1E+03	0.0E+00
Los Alamos National Laboratory	2.5E+04	9.8E+01
Nevada Test Site	3.5E+03	0.0E+00
Oak Ridge National Laboratory	3.3E+03	3.3E+03
Rocky Flats Environmental Technology Site	1.5E+04	0.0E+00
Sandia National Laboratories - Albuquerque	5.9E+01	2.0E+01
Savannah River Site	2.7E+04	2.8E+02
U.S. Army Materiel Command	2.1E-01	0.00E+00
Grand Total	**1.7E+05**	**7.1E+03**

Data Source: CID Data Version D.6.06, LANL-CO 2008.
NOTE: Actual numerical values have been rounded for presentation purposes.
[1] Volume estimates based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

3.2 Waste, Packaging, and Emplacement Material Densities

This section presents the non-radiological TRU waste inventory that was collected for this report. Section 3.2.1 presents the inventory of waste materials; section 3.2.2 presents the inventory of packaging materials; and section 3.2.3 presents the inventory of emplacement materials used for disposal of waste in the WIPP repository.

The DOE has many reasons for obtaining and tracking non-radiological information about the TRU waste inventory destined for WIPP. For example, the DOE tracks some waste materials that go into the repository (i.e., CPR materials) because they may affect gas generation in the repository (Dunagan 2007). The DOE needs to know the non-radiological properties of the waste not only for PA but also to support safe and economical transportation of the waste and operation of the WIPP facility.

3.2.1 Waste Materials

As part of the data call for this report, the DOE TRU waste sites were asked to provide the average density (kg/m^3) of each of the WMPs in each waste stream.

The following WMP descriptions were excerpted from the TWBIR, Revision 2, and are operative in this report:

- Iron-based metal/alloys – Includes iron and steel alloys in the waste, but does not include the waste container materials. Also includes an iron-based metallic phase associated with any vitrification process, if applicable.

- Aluminum-based metal/alloys – Aluminum or aluminum-base alloys in the waste materials.

- Other metal/alloys – All other metal/alloys (e.g., copper, zirconium, tantalum) found in the waste materials, including the lead portion of leaded rubber gloves/aprons.

- Other inorganic material – Inorganic non-metal waste materials such as concrete, glass, firebrick, ceramics, graphite, sand, and inorganic sorbents.

- Vitrified material – Waste that has been melted or fused at high temperatures with glass-forming additives, such as soil or silica, in appropriate proportions to result in a homogeneous glass-like matrix. (Note that any unoxidized metallic phases, if present, are included in the iron-base metal/alloys WMP.)

- Cellulosic material – Materials generally derived from high-polymer plant carbohydrates such as paper, cardboard, Kimwipes®, wood, cellophane, and cloth.

- Rubber material – Natural or manmade elastic latex materials such as Hypalon®, neoprene, surgeons' gloves, and leaded-rubber gloves (rubber part only).

- Plastic material – Generally manmade, often derived from petroleum feedstock. Examples are polyethylene, polyvinylchloride, Lucite® and Teflon®.

- Solidified inorganic material – Any homogeneous materials consisting of sludge or aqueous-base liquids that are solidified with Envirostone® or other solidification agents. Examples are wastewater treatment sludge and inorganic particulates.

- Solidified organic material – Organic resins, solidified organic liquids, and sludges.

- Cements (solidified) – Used in solidifying liquids, particulates, and sludges.

- Soil – Generally consists of naturally occurring soils that have been contaminated with radioactive waste materials at a high enough level to be considered TRU waste.

PAs conducted in support of WIPP have been predicated on the assumption that waste materials are distributed homogeneously throughout the repository. As a result, a WIPP average estimated value for waste material densities is provided in section 2.2.2. The estimated WIPP WMP average densities for CH- and RH-TRU waste are presented in Tables 3-4 and 3-5, respectively.

3.2.2 Packaging Materials

Packaging materials (such as steel, plastic, cellulose, and lead) are the materials used to construct the containers that hold TRU waste. PA assumes that packaging materials are distributed homogeneously throughout the WIPP repository. As a result, a WIPP average value for

packaging material densities is provided for PA. The WIPP packaging material average densities for CH- and RH-TRU waste are presented in Tables 3-4 and 3-5, respectively.

Packaging material densities have historically been reported by the DOE TRU waste sites. With the development of the CID, the packaging material densities for the WIPP-approved payload containers are fixed values in the CID. The sites report the final form container type, and the CID populates the packaging material densities with consistent values associated with the container type. An analysis was performed (McInroy 2006) to calculate the packaging material densities to be used in the CID. The purpose of this analysis was to document calculations that provided the packaging material densities for steel, plastic, cellulose, and lead, which may be used in the containers that package CH- and RH-TRU waste for shipment to WIPP.

Table 3-4. WIPP CH-TRU Waste Material Parameter Inventory

Waste Material	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.8E+02
Aluminum-based Metals/Alloys	1.5E+01
Other Metal/Alloys	1.1E+01
Other Inorganic Materials	3.4E+01
Cellulosics	7.3E+01
Rubber	6.6E+00
Plastics	8.2E+01
Cements	6.8E+01
Solidified Inorganic Material	1.1E+02
Solidified Organic Material	4.6E+01
Soils/gravel	9.1E+00
Vitrified	0.0E+00
Package Material	
Packaging Material, Steel	1.8E+02
Packaging Material, Plastic	1.9E+01
Packaging Material, Cellulosics	4.7E+00
Packaging Material, Lead	0.0E+00

Data Source: CID Data Version D.6.06, LANL-CO 2008.
NOTE: Actual numerical values have been rounded for presentation purposes.

Table 3-5. WIPP RH-TRU Waste Material Parameter Inventory

Waste Material	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.9E+02
Aluminum-based Metals/Alloys	1.0E+01
Other Metal/Alloys	4.5E+01
Other Inorganic Materials	2.3E+01
Cellulosics	1.4E+01
Rubber	4.7E+00
Plastics	1.8E+01
Cements	1.2E+01
Solidified Inorganic Material	5.9E+02
Solidified Organic Material	7.1E-01
Soils/gravel	7.7E+01
Vitrified	7.2E-02
Package Material	
Packaging Material, Steel	6.1E+02
Packaging Material, Plastic	1.1E+01
Packaging Material, Cellulosics	0.0E+00
Packaging Material, Lead	5.4E+00

Data Source: CID Data Version D.6.06, LANL-CO 2008.
NOTE: Actual numerical values have been rounded for presentation purposes.

3.2.3 Emplacement Materials

The WIPP WHO uses several emplacement materials to facilitate the disposal of TRU waste containers and MgO in the WIPP repository. The amount of MgO emplaced on top of the containers is based on a safety factor and is subject to change based on the amount of CPR in the repository. The CPR, however, has been estimated for each payload configuration expected to be emplaced in the repository (Crawford 2007). Plastic and cellulosic materials are used to emplace CH-TRU waste, but no rubber materials are used. It is assumed in this report that RH-TRU waste will be emplaced in boreholes in the walls of the disposal rooms. Currently, no CPR material is used for RH-TRU waste emplacement.

The materials used to emplace CH-TRU waste are:

- Polyethylene slip-sheets for 7-packs of 55-gallon drums and/or pipe overpack components (POCs), 4-packs of 85-gallon drums, 3-packs of 100-gallon drums, and MgO supersacks (plastics)
- Fiberboard slip-sheets (cellulosic material) for SWBs and TDOPs
- Woven polypropylene supersacks (plastic material) containing MgO
- Cardboard stabilizers (cellulosic material) for supersacks
- Stretch wrap (plastic material) for 7-packs, 4-packs, and 3-packs

For CH-TRU waste, the total disposal mass of the emplacement materials was calculated based on information provided by the DOE TRU waste sites and the WWIS as of December 31, 2006. The relevant information is provided in Table 3-6.

Table 3-6. Total Disposal CPR by Supersacks and Emplacement Units[1]

CPR Component	From Supersacks (kg)	From Waste Emplacement Units (kg)	Total CPR Component (kg)
Cellulose	1.17E+05	1.19E+05	2.36E+05
Plastic	3.85E+05	1.03E+06	1.42E+06
Rubber	0	0	0

NOTE: Actual numerical values have been rounded for presentation purposes.
[1] Mass estimates are based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

3.3 Chemical Components in Transuranic Waste

As part of the data call for this report, the DOE TRU waste sites were asked to provide information about the chemical components of their waste streams. The sites were asked about cements, complexing agents (acetate, citrate, oxylate, and ethylenediaminetetraacetic acid [EDTA]), and oxyanions (nitrate, sulfate, and phosphate). The disposal masses presented in Tables 3-8, 3-10, and 3-12 are used by SNL-CPG in PA modeling calculations.

Specifically, cements, complexing agents, and oxyanions are calculated as the sum of the constituents found in anticipated waste scheduled for delivery to WIPP and any waste that has been emplaced where these components were reported in the TWBIR-2004. The methods used to estimate the disposal masses of cements, complexing agents, and oxyanions are discussed in section 2.3.3.

3.3.1 Cement Content in Solidified Transuranic Waste

The DOE TRU waste sites have not reported cement densities consistently over time; therefore, for the inventory data call for this report, the sites were instructed to report their cements as WMPs. Table 3-7 shows TRU waste streams containing new amounts of cement that have changed since the last inventory report, and Table 3-8 shows the roll-up of the total solidified disposal mass of cements by site.

Table 3-7. Waste Streams Reporting New Disposal Mass of Cement[1]

Waste Stream Identifier	Cements (kg)	Waste Stream Identifier	Cements (kg)
AW-N026.82	1.12E+03	RL105-03	5.31E+04
IN-ID-SDA-Debris	5.49E+02	RL200-01	2.75E+00
IN-ID-SDA-Sludge	8.03E+03	RL209E-01	3.15E+03
IN-ID-SDA-Soil	2.77E+02	RL231Z-01	1.17E+05
IN-W216.877	9.39E+03	RL300-01	4.99E+03
IN-W228.886	1.98E+03	RL308-01	1.66E+02
KN-B234TRU	2.20E+06	RL324-01	1.67E+01
LA-TA-55-35	1.83E+03	RL325-01	6.74E+04
LA-TA-55-36	9.05E+04	RLBW-01	1.04E+04
LA-TA-55-37	5.16E+03	RLGEV-01	8.14E+03
LA-TA-55-40	1.61E+03	RLPFP-01	7.10E+01
LL-W019	3.24E+03	RLPRC-01	7.80E+02
NT-W001	8.74E+03	SR-W027-999-AGNS-HOM	1.34E+04
NT-W021	1.44E+02		

[1] Mass estimates are based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

Table 3-8. Disposal Mass of Cements[1]

ANL-E (kg)	ANL-W (MFC) (kg)	INL (kg)	KAPL-NFS (kg)	LANL (kg)	LLNL (kg)
8.67E+03	2.05E+04	7.03E+06	2.20E+06	4.29E+06	2.28E+05

NTS (kg)	ORNL (kg)	Hanford (kg)	RFETS (kg)	SRS (kg)	Total (kg)
8.89E+03	6.60E+04	2.66E+05	3.58E+05	1.58E+04	**1.45E+07**

NOTE: Sites not reporting cements are not listed in the table.

[1] Mass estimates are based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

3.3.2 Complexing Agents (Organic Ligands) in Transuranic Waste

The DOE tracks the mass of complexing agents destined for disposal in the WIPP repository because of their potential impact on solubility of actinides in the waste. In the latest inventory request, the DOE TRU waste sites were asked to update their estimates of complexing agents in the waste streams. When applicable, the sites reported the estimates of complexing agents in waste streams as a weight percent. As a result of this request, INL reported a larger quantity of EDTA (in weight percent) than the EDTA reported in CRA-2004. The quantity of EDTA in INL's waste streams was subsequently verified and checked against existing AK, resulting in a total slightly more than previously reported.

Also, as a result of the request for additional complexing agent information, Hanford RL identified 16 waste streams containing complexing agents that were not identified in TWBIR-2004. Further investigation by the site revealed that those complexing agents may have been disposed in low-level waste (LLW). An analysis performed by Hanford RL (Evans et al. 2008) indicated the concentration of EDTA found in three waste streams (RL-222S-01, RL-300-01, and

RL-325-01) had lower concentrations than first reported in their Solid Waste Inventory Tracking System (SWITS).

Additional information on EDTA and chelating agents will be collected in the next TRU waste inventory update and, at that time, mass quantities of EDTA will be further refined and quantified and ultimately reported in the *Annual Transuranic Inventory Report – 2008.*

Table 3-9 shows TRU waste streams containing new disposal masses of complexing agents (Van Soest 2008a) that have changed since the last inventory report. Table 3-10 shows the roll-up of the total disposal mass of complexing agents by site.

Table 3-9. Waste Streams Reporting New Disposal Masses of Complexing Agents[1]

Waste Stream ID	Acetic Acid (kg)	Sodium Acetate (kg)	Citric Acid (kg)	Sodium Citrate (kg)	Oxalic Acid (kg)	Sodium Oxalate (kg)	Sodium EDTA[2] (kg)
BN004-S	--	--	--	--	--	--	5.36E+01
ID-RF-S5300-A-S	--	--	--	--	--	--	8.33E-01
IN-BN004	--	--	--	--	--	--	2.24E+02
IN-ID-RF-S5300-A	--	--	--	--	--	--	2.69E+01
INW169.001-S	--	--	--	--	--	--	1.09E+00
RF001.01-S	--	--	--	--	--	--	3.25E-01
RF101.01-S	--	--	--	--	--	--	4.30E+00
RF101.29-S	--	--	--	--	--	--	3.10E-01
RF101.30-S	--	--	--	--	--	--	1.79E+00
RF101.31-S	--	--	--	--	--	--	1.57E+00
RL200-01	--	--	2.75E+00	--	3.79E+00	--	--
RL216Z-02	--	--	--	--	6.22E+00	--	--
RL222S-01	--	7.17E+00	--	--	7.17E+00	--	3.00E-01[2]
RL233S-01	5.45E-02	--	1.17E+00	--	5.45E-02	--	--
RL300-01	--	5.28E+01	--	2.13E+01	2.57E+01	1.23E+01	3.00E-01[2]
RL308-01	--	2.38E-02	1.17E-02	9.65E-02	1.17E-02	1.08E-01	1.08E-01
RL324-01	--	1.79E-01	8.96E-02	7.40E-01	8.96E-02	--	8.29E-01
RL325-01	3.39E+01	4.03E+02	2.01E+02	1.66E+03	2.01E+02	6.38E+02	3.00E-01[2]
RLBAT-01	1.47E+00	--	5.15E-01	--	--	--	--
RLBW-01	3.05E+00	1.18E+01	1.84E+00	--	--	--	--
RLESG-01	--	--	5.11E+00	--	4.96E+00	--	--
RLGEV-01	--	--	8.64E+00	--	--	--	--
RLPFP-01	1.37E+04	2.84E+04	1.00E+01	--	5.42E+01	7.79E+00	7.79E+00
RLPFP-05	5.39E-02	1.11E-01	--	--	2.23E-04	--	--
RLSWO-01	3.30E-01	--	8.67E+00	--	1.37E-03	--	--
RLWAR-01	--	--	4.02E+03	--	1.39E+04	--	--

[1] Mass estimates are based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

[2] An analyses (Evans et al. 2008) at Hanford RL found EDTA in these waste streams to be less than 1 kilogram.

Table 3-10. Disposal Mass of Complexing Agents[1]

Compound	INL (kg)	LANL (kg)	Hanford-RL (kg)	RFETS (kg)	Total (kg)
Acetic Acid	2.90E+02	1.10E+01	1.38E+04	5.29E+00	**1.41E+04**
Citric Acid	2.01E+02	1.22E+03	4.26E+03	3.63E+00	**5.68E+03**
Oxalic Acid	2.01E+02	1.51E+04	1.42E+04	3.63E+00	**2.95E+04**
Sodium Acetate	2.46E+03	--	2.89E+04	4.46E+01	**3.14E+04**
Sodium Citrate	8.59E+02	--	1.68E+03	1.66E+01	**2.56E+03**
Sodium EDTA	3.07E+02	--	1.02E+02	1.18E+01	**4.23E+02**
Sodium Oxalate	--	--	6.58E+02	--	**6.58E+02**

NOTE: Sites not reporting complexing agents are not listed in the table.

[1] Mass estimates are based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

3.3.3 Oxyanions in Transuranic Waste

An estimate of the masses of nitrate, sulfate, and phosphate in waste expected for disposal in the WIPP repository must be reported (Dunagan 2007). An analysis (Van Soest 2008a) was completed to determine the oxyanions by waste stream. The analysis was done to convert the weight percentages reported by the DOE TRU waste sites into disposal masses, as discussed in section 2.3.3.

Table 3-11 shows TRU waste streams in which new disposal amounts of oxyanions have changed since the last inventory report, and Table 3-12 shows the roll-up of the total disposal mass of oxyanions by waste site.

Table 3-11. Waste Streams Reporting New Disposal Masses of Oxyanions[1]

Waste Stream Identifier	Nitrate (kg)	Sulfate (kg)	Phosphate (kg)
IN-BN004	0.00E+00	5.14E+03	5.14E+03
IN-W228.884	3.38E+02	3.38E+02	0.00E+00
IN-W228.885	3.38E+01	3.38E+01	0.00E+00
IN-W228.886	5.01E+01	5.01E+01	0.00E+00
OR-W215	4.37E+05	6.24E+03	3.12E+00
RL200-01	2.65E+02	0.00E+00	2.56E+02
RL201-01	0.00E+00	2.62E+00	0.00E+00
RL202S-01	5.69E-01	0.00E+00	0.00E+00
RL209E-01	1.81E+02	4.33E+02	5.45E+01
RL216Z-02	5.74E+02	2.56E+01	6.37E+02
RL222S-01	1.08E+02	1.51E+01	1.61E+02
RL231Z-01	1.69E+02	2.19E+04	1.23E+04
RL231Z-03	5.90E-01	6.20E+00	2.77E+02
RL233S-01	2.55E+02	5.54E-01	1.98E+00
RL300-01	1.32E+03	0.00E+00	3.14E+02
RL308-01	5.39E-01	2.08E+02	1.18E-01
RL324-01	4.12E+00	3.26E+00	8.69E-01
RL325-01	1.61E+04	1.22E+04	4.59E+03
RL325-03	1.27E+01	0.00E+00	0.00E+00
RLBAT-01	0.00E+00	2.14E+00	2.43E+00

Waste Stream Identifier	Nitrate (kg)	Sulfate (kg)	Phosphate (kg)
RLBW-01	4.32E+00	1.17E+03	2.45E+00
RLESG-01	4.96E+00	1.16E+04	3.14E+02
RLEXX-01	3.29E-01	0.00E+00	1.09E-01
RLGEV-01	7.84E+00	8.85E+02	7.84E+00
RLPFP-01	5.18E+05	2.22E+04	5.11E+05
RLPFP-03	8.08E+01	0.00E+00	5.19E+00
RLPFP-04	3.83E-02	0.00E+00	3.27E-01
RLPFP-05	3.12E+00	4.48E-01	2.09E+00
RLPURX-01	3.89E+01	0.00E+00	0.00E+00
RLSWO-01	1.40E+01	2.73E+00	1.70E+02
RLWAR-01	1.20E+04	2.06E+03	0.00E+00

[1] Mass estimates are based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

Table 3-12. Disposal Masses of Oxyanions[1]

Compound	INL (kg)	LANL (kg)	LLNL (kg)	ORNL (kg)	Hanford-RL (kg)	RFETS (kg)	Total (kg)
Nitrate	8.52E+05	8.51E+05	0.00E+00	4.37E+05	5.50E+05	9.31E+03	**2.70E+06**
Sulfate	1.64E+04	4.45E+05	1.00E+03	6.24E+03	7.28E+04	5.52E+04	**5.96E+05**
Phosphate	5.14E+03	0.00E+00	0.00E+00	3.12E+00	5.30E+05	8.50E+01	**5.35E+05**

NOTE: Sites not reporting oxyanions are not listed in the table.
[1] Mass estimates are based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

3.4 Transuranic Waste Radionuclide Inventory

This section presents the TRU waste radionuclide activity concentration inventory collected for this report. The roll-ups for the TRU waste radionuclide concentrations, summations of radionuclide activities, and disposal activities are generated from the CID (LANL 2008).

3.4.1 Unscaled Radionuclide Activities by Site

Tables 3-13 and 3-14 provide the comprehensive unscaled WIPP-bound DOE TRU waste site radionuclide inventory estimates in total curies for CH- and RH-TRU waste, respectively. The radionuclides are decayed from the waste stream assay year through the end of CY 2006. These tables were generated using the sum of the site TRU waste activity concentrations (Ci/m^3) converted to activities (Ci) based on the site's anticipated (sum of the projected and stored) waste volume.

3.4.2 Disposal Volumes and Activities for Selected Radionuclides by Waste Streams

The PA disposal volumes (m^3) and disposal waste-stream-level radionuclide activities (Ci) for the CH- and RH-TRU waste streams are given in tables in Appendix E. The tables provide the site-specific radionuclide inventory estimates decayed from the waste stream assay year through the end of the 2006, 2033, 2133, 2383, 3033, 7033, and 12033 calendar years (Table E-1 through Table E-14, respectively).

3.4.3 WIPP Disposal Radionuclides

The waste profiles in Appendices A (WIPP-bound waste), B (WIPP emplaced waste), and C (WIPP potential waste) include unscaled radionuclide concentrations for each waste stream. These radionuclide concentrations (Ci/m^3) have been decayed from the waste stream assay year through the end of CY 2006.

Table 3-15 presents the WIPP disposal roll-up of radionuclide concentrations in Ci/m^3 and the total disposal activity (Ci) decayed through the end of CY 2006 for both CH- and RH-TRU waste.

Table 3-15 corresponds to Table 3-1 of the TWBIR, Revision 3, and Table 3.2 of the TWBIR–2004. A comparison of the radionuclides with the highest activity concentrations in this report to those reported in the TWBIR, Revision 3, and the TWBIR-2004 (CH-and RH-TRU waste), are presented in Appendix D.

The 2006 overall unscaled CH activity has increased by 7.88E+05 curies (18.3%; difference of CRA total activity and 2006 total activity divided by the CRA total activity) from the total activity reported in the PABC inventory. This increase is the result of better inventory reporting by the sites and data checks performed during data collection. Five radionuclides (Am-241, Pu-238, Pu-239, Pu-240, and Pu-241) made up 99 percent of the unscaled CH-TRU waste activity in the CCA. The same five radionuclides made up 97 percent of the unscaled CH-TRU waste activity in the CRA-2004, while five radionuclides (Am-241, Eu-155, Pu-238, Pu-239, and Pu-241) make up 96 percent of the total unscaled CH-TRU waste activity in this report (see Appendix D for further discussion on radionuclide changes).

The 2006 overall unscaled RH activity has increased by 5.54E+05 curies (32.9%) from the total activity reported in the PABC inventory. The RH-TRU inventory has higher activity report for 2006 for the same reasons CH-TRU radionuclide activity is higher. The five most abundant unscaled RH-TRU waste radionuclides (Ba-137m, Cs-137, Pu-241, Sr-90, and Y-90) have remained the same through the three reporting periods (the CCA, the CRA-2004, and this report). These five radionuclides made up 96 percent of the total unscaled RH-TRU waste activity in the CCA, 98 percent of the total unscaled RH-TRU waste activity in the CRA-2004, and 98 percent of the total unscaled RH-TRU waste activity in this report.

Table 3-13. Unscaled CH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1]

Nuclide	ANL-E	ANL-W (MFC)	Army	BAPL	Hanford-RL	INL	KAPL-NFS	LANL	LBL	LLNL	NTS	ORNL	RFETS	SNL-A	SRS	Total
Ac-225	1.00E-02	6.37E-09	5.85E-12	1.82E-13	4.37E-04	6.97E-01	3.19E-06	1.26E-01	5.65E-07	6.02E-11	1.60E-03	1.52E-01	5.82E-05	2.00E-06	5.43E-03	**9.92E-01**
Ac-227	1.45E-07	1.21E-09	8.99E-15	1.37E-10	3.50E-06	9.08E-04	1.48E-10	1.49E-01	3.73E-09	1.41E-03	1.07E-04	8.74E-02	4.71E-07	1.40E-03	2.71E-03	**2.43E-01**
Ac-228	2.32E-05	6.38E-18	--	2.98E-14	1.67E-04	2.64E-01	5.51E-06	2.27E-03	8.29E-10	3.18E-17	2.70E-15	7.99E-04	1.20E-09	4.40E-03	6.99E-04	**2.73E-01**
Ag-109m	1.46E-02	--	--	--	--	--	--	5.95E-04	--	--	--	3.42E-11	1.17E-08	1.42E-05	--	**1.52E-02**
Ag-110	1.71E-05	--	--	--	--	--	--	--	--	--	--	1.24E-12	--	--	--	**1.71E-05**
Ag-110m	1.30E-03	--	--	--	--	--	--	--	--	--	--	2.52E-02	--	--	--	**2.65E-02**
Am-241	1.04E+02	8.22E-02	--	9.44E-03	1.95E+04	1.75E+05	4.46E+01	6.82E+04	1.65E-02	5.31E+03	3.63E+02	3.00E+03	1.16E+05	9.19E+00	5.30E+03	**3.93E+05**
Am-242	--	--	--	--	--	--	--	--	--	1.06E-02	--	--	--	4.61E-02	4.34E-01	**4.91E-01**
Am-242m	--	--	--	--	--	--	--	--	--	1.62E+00	--	--	--	4.69E-02	4.41E-01	**2.11E+00**
Am-243	1.89E+00	--	--	4.02E-05	6.05E-03	4.31E+01	--	1.95E+00	1.87E-04	8.51E-02	5.86E-01	2.80E+00	1.08E-02	1.38E-02	1.57E+01	**6.61E+01**
Am-245	--	--	--	--	--	--	--	3.07E-14	4.15E-14	--	--	1.55E-11	--	--	--	**1.55E-11**
At-217	1.00E-02	6.37E-09	5.85E-12	1.82E-13	4.38E-04	6.97E-01	3.19E-06	1.26E-01	5.65E-07	6.03E-11	1.60E-03	1.52E-01	5.83E-05	2.00E-06	5.44E-03	**9.92E-01**
Ba-133	--	--	--	--	1.23E-06	--	--	1.11E-05	--	--	--	3.63E-07	1.07E-02	--	7.58E-06	**1.07E-02**
Ba-137m	3.05E+00	3.90E+00	--	1.85E+01	6.66E+03	8.12E+00	--	4.58E+00	--	1.97E-05	1.10E-02	3.48E+00	1.05E-02	6.64E+01	3.56E+02	**7.12E+03**
Bi-210	1.97E-04	1.42E-11	--	2.50E-12	1.41E-07	1.96E-05	7.64E-13	5.82E-01	1.68E-17	3.00E-12	5.11E-02	3.97E-01	7.17E-06	1.84E-02	1.18E-05	**1.05E+00**
Bi-211	1.43E-07	1.20E-09	8.87E-15	1.35E-10	3.46E-06	8.74E-04	1.46E-10	1.48E-01	3.69E-09	6.46E-10	1.05E-04	8.63E-02	4.65E-07	1.38E-03	2.69E-03	**2.39E-01**
Bi-212	1.75E-01	2.82E-18	--	1.01E-05	6.28E-04	7.91E-02	9.50E-05	3.79E-01	4.76E-10	3.73E-03	6.83E-03	1.00E+01	1.28E-09	5.53E-03	1.30E-02	**1.07E+01**
Bi-213	1.00E-02	6.36E-09	5.84E-12	1.82E-13	4.37E-04	6.96E-01	3.18E-06	1.25E-01	5.64E-07	6.02E-11	1.60E-03	1.51E-01	5.81E-05	2.00E-06	5.42E-03	**9.90E-01**
Bi-214	2.05E-03	2.01E-10	--	6.24E-11	7.78E-07	6.52E-05	1.93E-11	8.86E-01	4.46E-16	1.49E-10	1.10E-01	8.25E-01	7.96E-05	5.89E-02	5.82E-05	**1.88E+00**
Bk-249	--	--	--	--	--	--	--	2.12E-09	2.87E-09	1.94E-01	--	1.07E-06	--	--	--	**1.94E-01**
Bk-250	--	--	--	--	--	--	--	--	--	--	--	7.38E-12	--	--	--	**7.38E-12**
C-14	--	--	--	5.38E-04	1.66E+00	--	--	--	--	--	1.12E-04	2.54E-04	1.12E-05	--	--	**1.66E+00**
Cd-109	1.48E-02	--	--	--	--	--	--	6.03E-04	--	1.20E+00	--	3.47E-11	1.18E-08	1.44E-05	--	**1.22E+00**
Ce-139	--	--	--	--	--	--	--	--	--	--	--	3.75E-22	--	--	--	**3.75E-22**
Ce-141	--	--	--	--	--	--	--	--	--	--	--	7.09E-01	--	--	--	**7.09E-01**
Ce-144	--	--	--	--	--	--	--	7.58E-07	--	--	--	2.29E-01	--	1.01E-05	1.96E+01	**1.99E+01**
Cf-249	1.68E-01	--	--	7.71E-13	1.97E-05	--	--	9.00E-03	2.02E-03	2.16E+02	5.07E-03	5.35E-01	--	--	5.94E-03	**2.17E+02**
Cf-250	--	--	--	--	--	--	--	1.72E-05	--	8.89E-05	5.03E-02	4.49E-02	--	--	5.73E-02	**1.53E-01**
Cf-251	--	--	--	3.64E-14	--	--	--	1.56E-03	--	3.82E-04	--	3.96E-04	--	--	1.13E-02	**1.36E-02**
Cf-252	1.71E-04	--	--	--	--	1.07E-03	--	--	--	3.04E-01	1.28E-02	8.85E-01	1.91E-04	--	2.20E+01	**2.32E+01**
Cl-36	--	--	--	--	--	--	--	2.00E-03	--	--	--	--	3.52E-08	--	--	**2.00E-03**
Cm-242	--	--	--	--	--	--	--	2.35E-14	--	--	--	2.47E-01	--	3.87E-02	5.06E-01	**7.91E-01**
Cm-243	5.39E-01	--	--	4.12E-05	2.39E-04	6.26E-05	--	7.53E-01	3.21E-05	3.37E-02	7.74E-03	4.31E-02	--	4.24E-01	1.74E-01	**1.97E+00**
Cm-244	1.21E-01	--	--	2.21E-03	--	7.85E+00	--	7.20E+01	--	2.68E+02	3.05E+01	1.14E+03	1.39E-07	4.83E+00	1.49E+03	**3.02E+03**
Cm-245	4.13E-05	--	--	2.76E-07	3.22E-09	--	--	6.98E-04	8.30E-07	1.13E-02	1.07E-03	6.84E-03	--	--	1.59E-01	**1.79E-01**

Table 3-13. Unscaled CH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1]
Continued

Nuclide	ANL-E	ANL-W (MFC)	Army	BAPL	Hanford-RL	INL	KAPL-NFS	LANL	LBL	LLNL	NTS	ORNL	RFETS	SNL-A	SRS	Total
Cm-246	--	--	--	4.70E-08	--	--	--	5.95E-02	4.99E-06	--	2.61E-04	1.38E+00	--	--	2.31E-01	**1.67E+00**
Cm-247	--	--	--	1.08E-13	--	--	--	1.01E-07	--	7.11E-07	--	6.96E-08	--	--	3.91E-02	**3.91E-02**
Cm-248	1.54E-09	--	--	1.95E-13	--	6.91E-07	--	--	1.96E-06	3.56E-03	1.84E-05	4.32E-02	8.59E-09	--	9.04E-05	**4.69E-02**
Cm-250	--	--	--	--	--	--	--	--	--	--	--	6.98E-11	--	--	--	**6.98E-11**
Co-60	2.41E-01	--	--	5.58E-01	3.77E-06	--	--	2.70E-02	--	3.85E-04	--	1.59E-02	5.25E-05	2.82E-02	1.41E-04	**8.71E-01**
Cs-134	3.23E-03	--	--	--	--	--	--	8.78E-09	--	--	--	1.29E-01	--	4.90E-03	7.59E+02	**7.59E+02**
Cs-137	3.26E+00	4.17E+00	--	1.98E+01	7.14E+03	8.68E+00	--	5.06E+00	--	1.12E+00	1.18E-02	5.40E+00	1.12E-02	7.10E+01	3.81E+02	**7.64E+03**
Es-254	--	--	--	--	--	--	--	--	--	--	--	3.56E-12	--	--	--	**3.56E-12**
Eu-150	--	--	--	--	--	--	--	--	--	--	--	2.26E-03	--	--	--	**2.26E-03**
Eu-152	3.53E-01	--	--	7.71E-01	1.42E-05	--	--	1.83E-05	7.74E-09	2.06E-01	3.30E-01	4.86E-01	6.70E-05	--	2.15E-04	**2.15E+00**
Eu-154	3.92E-03	--	--	6.85E-01	4.00E-05	--	--	3.64E-05	--	7.42E+04	1.09E-01	3.61E-01	4.92E-07	9.37E-02	1.09E+02	**7.43E+04**
Eu-155	--	--	--	--	--	--	--	2.16E-03	--	9.59E-05	--	1.98E-01	4.85E-08	1.03E-03	9.55E+05	**9.55E+05**
Fe-55	--	--	--	--	--	--	--	4.43E-07	--	--	--	--	1.24E-04	--	--	**1.25E-04**
Fr-221	1.00E-02	6.37E-09	5.85E-12	1.82E-13	4.37E-04	6.96E-01	3.19E-06	1.26E-01	5.64E-07	6.02E-11	1.60E-03	1.52E-01	5.82E-05	2.00E-06	5.43E-03	**9.91E-01**
Fr-223	1.98E-09	1.65E-11	1.23E-16	1.86E-12	4.78E-08	1.21E-05	2.02E-12	2.04E-03	5.10E-11	8.92E-12	1.46E-06	1.19E-03	6.42E-09	1.91E-05	3.70E-05	**3.30E-03**
Gd-152	1.99E-15	--	--	5.95E-15	1.02E-19	--	--	6.69E-19	7.66E-23	5.75E-19	1.99E-14	2.86E-14	3.77E-19	--	3.87E-19	**5.65E-14**
H-3	--	--	--	--	1.51E+00	--	--	1.70E+03	--	1.37E-06	1.82E-02	1.41E-03	7.52E+00	1.42E-02	3.72E+02	**2.08E+03**
Ho-166m	--	--	--	--	--	--	--	--	--	--	--	5.01E-05	--	--	--	**5.01E-05**
I-129	--	--	--	7.07E-06	--	--	--	1.20E-06	--	--	--	--	--	--	--	**8.27E-06**
K-40	3.93E-03	--	--	--	4.42E-04	3.12E-06	--	--	--	--	--	--	--	--	--	**4.38E-03**
Kr-85	--	--	--	--	--	--	--	--	--	--	4.92E-02	--	2.21E-05	2.44E-01	2.23E+02	**2.23E+02**
Mn-54	2.63E-03	--	--	--	--	--	--	--	--	--	--	5.76E-14	1.61E-11	--	--	**2.63E-03**
Na-22	3.41E-02	--	--	--	8.89E-05	--	--	1.44E-01	--	4.56E-05	--	5.24E-09	3.85E-04	--	2.52E-02	**2.03E-01**
Nb-93m	--	--	--	2.01E-04	--	--	--	--	--	--	--	--	--	--	--	**2.01E-04**
Nb-94	--	--	--	--	3.80E-06	--	--	--	--	--	--	--	--	--	1.21E-07	**3.92E-06**
Nb-95	--	--	--	--	--	--	--	1.17E-07	--	--	--	--	--	--	--	**1.17E-07**
Ni-59	--	--	--	7.77E-02	--	--	--	--	--	--	--	--	--	--	--	**7.77E-02**
Ni-63	--	--	--	3.67E+00	--	--	--	--	--	--	--	1.30E-04	1.21E-01	--	--	**3.79E+00**
Np-237	4.31E-01	2.16E-07	3.95E-05	5.73E-05	4.60E-01	3.17E+00	5.75E-05	8.43E-01	6.66E-05	7.97E-02	2.32E-02	5.17E-01	1.13E+00	1.41E-01	1.41E+01	**2.09E+01**
Np-238	--	--	--	--	--	--	--	--	--	--	--	--	--	2.32E-04	2.18E-03	**2.41E-03**
Np-239	1.86E+00	--	--	3.97E-05	5.97E-03	4.26E+01	--	1.92E+00	1.85E-04	1.56E-02	5.79E-01	2.80E+00	1.06E-02	1.36E-02	1.55E+01	**6.52E+01**
Np-240m	2.03E-17	--	--	6.79E-13	--	7.18E-14	--	2.99E-04	7.58E-14	--	4.52E-07	5.82E-06	1.82E-16	--	5.21E-13	**3.05E-04**
Pa-231	6.42E-07	9.94E-09	3.84E-14	2.24E-09	1.47E-05	2.46E-03	2.42E-09	1.53E-02	2.54E-08	1.12E-02	2.66E-04	1.79E-01	6.83E-06	5.63E-03	5.44E-04	**2.14E-01**
Pa-233	4.27E-01	2.14E-07	3.92E-05	5.68E-05	4.50E-01	3.09E+00	5.70E-05	8.32E-01	6.60E-05	7.32E-02	2.30E-02	5.12E-01	1.12E+00	1.39E-01	1.39E+01	**2.06E+01**
Pa-234	8.97E-05	2.69E-10	--	1.57E-10	1.45E-03	6.73E-02	2.91E-06	1.86E-03	2.52E-06	4.55E-06	8.16E-05	7.98E-05	1.82E-03	1.16E-05	3.27E-04	**7.31E-02**

Table 3-13. Unscaled CH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1]
Continued

Nuclide	ANL-E	ANL-W (MFC)	Army	BAPL	Hanford-RL	INL	KAPL-NFS	LANL	LBL	LLNL	NTS	ORNL	RFETS	SNL-A	SRS	Total
Pa-234m	6.90E-02	2.07E-07	--	1.21E-07	1.11E+00	5.18E+01	2.24E-03	1.43E+00	1.93E-03	3.50E-03	6.27E-02	6.14E-02	1.40E+00	8.90E-03	2.52E-01	**5.62E+01**
Pb-209	1.00E-02	6.37E-09	5.85E-12	1.82E-13	4.37E-04	6.96E-01	3.19E-06	1.26E-01	5.65E-07	6.02E-11	1.60E-03	1.52E-01	5.82E-05	2.00E-06	5.43E-03	**9.91E-01**
Pb-210	1.99E-04	1.43E-11	--	2.53E-12	1.42E-07	1.98E-05	7.73E-13	5.89E-01	1.70E-17	3.04E-12	5.17E-02	4.02E-01	7.26E-06	1.86E-02	1.19E-05	**1.06E+00**
Pb-211	1.43E-07	1.20E-09	8.89E-15	1.35E-10	3.46E-06	8.75E-04	1.46E-10	1.48E-01	3.69E-09	6.46E-10	1.05E-04	8.64E-02	4.65E-07	1.39E-03	2.69E-03	**2.40E-01**
Pb-212	1.74E-01	2.82E-18	--	1.01E-05	6.26E-04	7.88E-02	9.47E-05	3.78E-01	4.75E-10	6.08E-18	6.80E-03	1.00E+01	1.28E-09	5.52E-03	1.30E-02	**1.07E+01**
Pb-214	2.05E-03	2.02E-10	--	6.25E-11	7.79E-07	6.53E-05	1.93E-11	8.88E-01	4.47E-16	1.50E-10	1.10E-01	8.27E-01	7.98E-05	5.89E-02	5.83E-05	**1.89E+00**
Pm-147	--	--	--	3.29E-01	--	--	--	1.53E-04	--	--	--	1.00E-02	5.34E-05	2.38E-01	5.41E+02	**5.42E+02**
Po-210	1.66E-04	1.43E-11	--	2.53E-12	1.42E-07	1.98E-05	7.73E-13	5.88E-01	1.70E-17	1.53E-12	5.16E-02	4.02E-01	5.96E-06	1.86E-02	1.18E-05	**1.06E+00**
Po-211	4.36E-10	3.65E-12	2.71E-17	4.11E-13	1.06E-08	2.67E-06	4.45E-13	4.51E-04	1.13E-11	1.97E-12	3.22E-07	2.63E-04	1.42E-09	4.23E-06	8.20E-06	**7.30E-04**
Po-212	1.11E-01	1.80E-18	--	6.44E-06	4.00E-04	5.04E-02	6.05E-05	2.41E-01	3.03E-10	3.88E-18	4.35E-03	6.39E+00	8.16E-10	3.53E-03	8.31E-03	**6.81E+00**
Po-213	9.81E-03	6.23E-09	5.72E-12	1.78E-13	4.28E-04	6.81E-01	3.12E-06	1.23E-01	5.52E-07	5.89E-11	1.56E-03	1.48E-01	5.69E-05	1.96E-06	5.31E-03	**9.70E-01**
Po-214	2.05E-03	2.02E-10	--	6.24E-11	7.79E-07	6.53E-05	1.93E-11	8.87E-01	4.47E-16	1.50E-10	1.10E-01	8.26E-01	7.97E-05	5.89E-02	5.83E-05	**1.88E+00**
Po-215	1.43E-07	1.20E-09	8.88E-15	1.35E-10	3.46E-06	8.75E-04	1.46E-10	1.48E-01	3.69E-09	6.46E-10	1.06E-04	8.64E-02	4.65E-07	1.39E-03	2.69E-03	**2.40E-01**
Po-216	1.74E-01	2.81E-18	--	1.01E-05	6.26E-04	7.88E-02	9.47E-05	3.77E-01	4.74E-10	6.07E-18	6.80E-03	1.00E+01	1.28E-09	5.51E-03	1.30E-02	**1.07E+01**
Po-218	2.02E-03	1.98E-10	--	6.14E-11	7.66E-07	6.42E-05	1.90E-11	8.72E-01	4.39E-16	1.47E-10	1.08E-01	8.12E-01	7.84E-05	5.79E-02	5.73E-05	**1.85E+00**
Pr-144	--	--	--	--	--	--	--	7.43E-07	--	--	--	9.22E-09	--	9.89E-06	1.92E+01	**1.92E+01**
Pu-236	4.05E-08	--	--	--	--	5.66E-05	--	2.38E-11	--	8.89E-04	--	7.69E-13	--	--	--	**9.45E-04**
Pu-238	7.49E+01	1.10E+02	--	9.16E-01	1.18E+05	7.90E+04	7.24E+00	1.93E+05	4.40E-05	1.31E+03	1.34E+02	2.76E+03	1.06E+04	1.87E+00	1.07E+06	**1.48E+06**
Pu-239	2.13E+02	8.85E+01	5.05E-03	7.37E-04	5.83E+04	8.38E+04	8.90E+01	8.80E+04	7.90E-04	8.23E+02	1.83E+03	1.12E+03	2.23E+05	7.98E+00	1.80E+04	**4.75E+05**
Pu-240	1.27E+02	5.32E-01	--	1.51E-03	1.65E+04	2.02E+04	3.00E+01	1.36E+04	1.95E-04	2.33E+02	1.78E+02	1.22E+03	5.60E+04	1.16E+00	4.39E+03	**1.12E+05**
Pu-241	1.94E+02	3.32E-01	--	1.33E-01	2.82E+05	1.24E+05	1.29E+02	3.58E+05	7.86E-05	3.05E+03	2.39E+03	4.04E+04	6.12E+05	1.11E+01	1.55E+05	**1.58E+06**
Pu-242	5.81E-02	6.71E-06	--	1.17E-05	3.92E+00	1.62E+00	2.32E-04	2.17E+01	1.71E-05	6.05E-02	5.37E-02	6.13E-01	6.08E+00	7.60E-05	4.88E+00	**3.89E+01**
Pu-243	--	--	--	1.06E-13	--	--	--	9.98E-08	--	--	--	6.88E-08	--	--	3.86E-02	**3.86E-02**
Pu-244	2.01E-17	--	--	6.73E-13	--	7.11E-14	--	2.96E-04	7.51E-14	--	4.47E-07	5.76E-06	1.81E-16	--	5.16E-13	**3.03E-04**
Ra-223	1.45E-07	1.21E-09	8.98E-15	1.36E-10	3.50E-06	8.85E-04	1.48E-10	1.50E-01	3.73E-09	6.53E-10	1.07E-04	8.73E-02	4.71E-07	1.40E-03	2.72E-03	**2.42E-01**
Ra-224	1.74E-01	2.81E-18	--	1.01E-05	6.25E-04	7.87E-02	9.45E-05	3.77E-01	4.74E-10	6.07E-18	6.79E-03	9.99E+00	1.27E-09	5.51E-03	1.30E-02	**1.06E+01**
Ra-225	1.00E-02	6.37E-09	5.85E-12	1.82E-13	4.38E-04	6.97E-01	3.19E-06	1.26E-01	5.65E-07	6.03E-11	1.60E-03	1.52E-01	5.82E-05	2.00E-06	5.43E-03	**9.92E-01**
Ra-226	2.08E-03	2.04E-10	--	6.32E-11	7.88E-07	6.69E-05	1.95E-11	8.97E-01	4.52E-16	1.51E-10	1.11E-01	8.36E-01	8.07E-05	5.96E-02	5.90E-05	**1.91E+00**
Ra-228	2.73E-05	7.53E-18	--	3.52E-14	1.98E-04	3.12E-01	6.51E-06	2.68E-03	9.79E-10	3.75E-17	3.19E-15	9.43E-04	1.42E-09	5.20E-03	8.25E-04	**3.22E-01**
Rh-106	--	--	--	--	--	--	--	7.51E-10	--	--	--	2.57E-06	--	6.87E-06	8.57E+01	**8.57E+01**
Rn-219	1.43E-07	1.20E-09	8.87E-15	1.35E-10	3.46E-06	8.74E-04	1.46E-10	1.48E-01	3.69E-09	6.46E-10	1.05E-04	8.63E-02	4.65E-07	1.38E-03	2.69E-03	**2.39E-01**
Rn-220	1.74E-01	2.81E-18	--	1.01E-05	6.26E-04	7.88E-02	9.47E-05	3.77E-01	4.74E-10	6.07E-18	6.80E-03	1.00E+01	1.28E-09	5.51E-03	1.30E-02	**1.07E+01**
Rn-222	2.06E-03	2.02E-10	--	6.25E-11	7.80E-07	6.53E-05	1.93E-11	8.88E-01	4.47E-16	1.50E-10	1.10E-01	8.27E-01	7.98E-05	5.90E-02	5.84E-05	**1.89E+00**
Ru-103	--	--	--	--	--	--	--	--	--	--	--	3.34E-01	--	--	--	**3.34E-01**
Ru-106	--	--	--	--	--	--	--	7.58E-10	--	--	--	1.51E+00	--	6.95E-06	8.66E+01	**8.81E+01**

Table 3-13. Unscaled CH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1]
Continued

Nuclide	ANL-E	ANL-W (MFC)	Army	BAPL	Hanford-RL	INL	KAPL-NFS	LANL	LBL	LLNL	NTS	ORNL	RFETS	SNL-A	SRS	Total
Sb-125	5.73E-06	--	--	--	--	--	--	1.53E-04	--	2.12E-06	--	8.95E-02	1.32E-08	--	5.69E-03	**9.54E-02**
Sb-126	--	--	--	1.36E-05	--	--	--	--	--	--	--	--	--	--	--	**1.36E-05**
Sb-126m	--	--	--	9.72E-05	--	--	--	--	--	--	--	--	--	--	--	**9.72E-05**
Sc-46	--	--	--	--	--	--	--	2.34E-25	--	--	--	--	--	--	--	**2.34E-25**
Se-75	--	--	--	--	--	--	--	--	--	--	--	--	1.06E-09	--	--	**1.06E-09**
Se-79	--	--	--	1.34E-04	--	--	--	--	--	--	--	--	--	--	--	**1.34E-04**
Sm-147	--	--	--	1.51E-11	--	--	--	2.12E-12	--	--	--	6.31E-11	1.58E-15	5.71E-11	4.35E-09	**4.49E-09**
Sm-151	--	--	--	1.01E-01	--	--	--	7.64E-04	--	--	--	1.17E-01	--	2.65E-01	2.97E+00	**3.45E+00**
Sn-126	--	--	--	9.73E-05	--	--	--	--	--	--	--	--	--	--	--	**9.73E-05**
Sr-90	2.92E+00	2.07E+01	--	1.98E+01	1.20E+03	7.18E-03	--	2.08E+00	--	3.02E+00	4.25E-04	3.04E+01	3.34E-02	6.69E+01	3.80E+02	**1.72E+03**
Tc-99	2.53E+00	--	--	4.76E-03	4.50E-04	--	1.41E-02	--	--	6.04E-05	--	9.35E+00	6.02E-08	1.59E-03	--	**1.19E+01**
Te-123	--	--	--	--	--	--	--	--	--	--	--	2.17E-18	--	--	--	**2.17E-18**
Te-123m	--	--	--	--	--	--	--	--	--	--	--	2.02E-22	--	--	--	**2.02E-22**
Te-125m	1.39E-06	--	--	--	--	--	--	3.70E-05	--	--	--	2.80E-04	3.19E-09	--	5.32E+00	**5.32E+00**
Th-227	1.41E-07	1.18E-09	8.75E-15	1.33E-10	3.41E-06	8.61E-04	1.44E-10	1.46E-01	3.63E-09	6.36E-10	1.04E-04	8.51E-02	4.58E-07	1.36E-03	2.65E-03	**2.36E-01**
Th-228	1.76E-01	2.85E-18	--	1.02E-05	6.33E-04	7.97E-02	9.57E-05	3.82E-01	4.80E-10	2.88E-04	6.88E-03	1.01E+01	1.29E-09	5.57E-03	1.31E-02	**1.08E+01**
Th-229	1.00E-02	6.38E-09	5.86E-12	1.82E-13	4.38E-04	6.98E-01	3.19E-06	1.26E-01	5.66E-07	2.90E-04	1.60E-03	1.52E-01	5.83E-05	2.00E-06	5.44E-03	**9.94E-01**
Th-230	2.96E-06	1.45E-07	--	7.29E-08	1.86E-04	8.11E-03	2.30E-08	1.06E-01	6.26E-13	6.77E-05	7.13E-06	6.35E-03	8.24E-05	1.52E-05	9.80E-03	**1.30E-01**
Th-231	2.85E-03	5.63E-05	1.33E-10	2.61E-05	7.48E-02	5.34E+00	2.85E-05	7.90E-02	7.81E-09	4.91E-04	9.89E-01	5.00E-03	8.27E-02	1.21E-02	3.66E-02	**6.62E+00**
Th-232	2.69E-05	2.71E-17	--	1.17E-13	4.33E-03	1.43E+00	1.65E-05	2.48E-03	2.08E-09	1.17E-06	6.64E-15	9.12E-04	4.56E-09	4.65E-03	4.07E-03	**1.45E+00**
Th-234	6.91E-02	2.07E-07	--	1.21E-07	1.11E+00	5.19E+01	2.24E-03	1.44E+00	1.94E-03	3.50E-03	6.28E-02	6.15E-02	1.40E+00	8.91E-03	2.52E-01	**5.63E+01**
Tl-204	--	--	--	--	--	--	--	--	--	--	--	1.53E-06	1.29E-06	--	--	**2.82E-06**
Tl-207	1.42E-07	1.19E-09	8.84E-15	1.34E-10	3.44E-06	8.70E-04	1.45E-10	1.47E-01	3.67E-09	6.43E-10	1.05E-04	8.59E-02	4.63E-07	1.38E-03	2.67E-03	**2.38E-01**
Tl-208	6.27E-02	1.01E-18	--	3.63E-06	2.25E-04	2.84E-02	3.41E-05	1.36E-01	1.71E-10	1.95E-03	2.45E-03	3.60E+00	4.60E-10	1.99E-03	4.68E-03	**3.84E+00**
Tl-209	2.20E-04	1.40E-10	1.29E-13	4.00E-15	9.62E-06	1.53E-02	7.01E-08	2.76E-03	1.24E-08	1.32E-12	3.51E-05	3.34E-03	1.28E-06	4.39E-08	1.19E-04	**2.18E-02**
U-232	1.71E-01	--	--	1.31E-05	8.53E-04	1.61E-04	9.09E-05	3.69E-01	--	4.75E-03	6.68E-03	9.82E+00	--	--	2.60E-02	**1.04E+01**
U-233	9.09E-02	8.19E-06	4.63E-09	9.72E-10	5.63E+00	4.94E+02	8.52E-03	4.26E+01	1.21E-03	1.44E+00	1.29E+00	7.72E+01	1.07E-01	2.38E-03	2.35E+00	**6.25E+02**
U-234	8.83E-02	3.26E-03	--	2.03E-03	1.12E+01	3.27E+01	6.82E-04	1.83E+01	2.78E-08	3.11E-02	1.16E-01	2.02E+01	2.20E+00	1.88E-01	7.23E+01	**1.57E+02**
U-235	2.89E-03	5.70E-05	1.35E-10	2.65E-05	9.27E-01	6.41E+00	2.89E-05	8.00E-02	7.91E-09	1.28E-03	1.00E+00	5.07E-03	8.37E-02	1.23E-02	3.72E-02	**8.56E+00**
U-236	4.26E-05	1.31E-07	--	3.02E-04	1.98E-03	9.36E-01	3.55E-06	8.74E-03	2.90E-11	9.97E-06	2.20E-05	1.78E-01	9.73E-03	1.34E-07	9.02E-02	**1.23E+00**
U-237	4.77E-03	8.15E-06	--	3.26E-06	4.11E+00	2.88E+00	3.18E-03	8.78E+00	1.93E-09	5.30E-02	5.88E-02	9.93E-01	1.50E+01	1.36E-04	3.80E+00	**3.57E+01**
U-238	6.98E-02	2.09E-07	--	1.22E-07	1.66E+00	5.24E+01	2.26E-03	1.45E+00	1.95E-03	6.91E-03	6.34E-02	6.20E-02	1.42E+00	9.00E-03	2.54E-01	**5.74E+01**
U-240	1.99E-17	--	--	6.66E-13	--	7.04E-14	--	2.93E-04	7.43E-14	--	4.43E-07	5.70E-06	1.79E-16	--	5.11E-13	**2.99E-04**
Y-90	2.88E+00	2.04E+01	--	1.95E+01	1.18E+03	6.06E-03	--	1.92E+00	--	3.02E+00	4.20E-04	1.78E+01	3.30E-02	6.61E+01	3.76E+02	**1.68E+03**

Table 3-13. Unscaled CH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1]
Continued

Nuclide	ANL-E	ANL-W (MFC)	Army	BAPL	Hanford-RL	INL	KAPL-NFS	LANL	LBL	LLNL	NTS	ORNL	RFETS	SNL-A	SRS	Total
Zn-65	4.99E-04	--	--	--	--	--	--	3.85E-08	--	--	--	4.99E-13	--	--	--	**4.99E-04**
Zr-93	--	--	--	1.14E-03	--	--	--	--	--	--	--	--	--	--	--	**1.14E-03**
Zr-95	--	--	--	--	--	--	--	--	--	--	--	1.81E-01	--	--	--	**1.81E-01**
Total	**7.36E+02**	**2.48E+02**	**5.13E-03**	**8.49E+01**	**5.11E+05**	**4.83E+05**	**3.00E+02**	**7.23E+05**	**2.72E-02**	**8.54E+04**	**4.94E+03**	**5.00E+04**	**1.02E+06**	**3.09E+02**	**2.21E+06**	**5.09E+06**

[1] Data Source: CID Data Version D.6.06, LANL-CO 2008.

Table 3-14. Unscaled RH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1]

Nuclide	ANL-E	ANL-W (MFC)	BAPL	Hanford	INL	KAPL-S	LANL	ORNL	SNL-A	SRS	Total
Ac-225	1.91E-07	1.46E-04	3.10E-02	2.98E-09	2.33E-06	1.29E-09	3.37E-13	5.67E+00	6.37E-11	1.36E-09	**5.70E+00**
Ac-227	1.33E-08	8.01E-08	1.11E-01	1.28E-05	1.70E-08	6.39E-08	1.75E-06	4.25E+01	5.83E-08	9.59E-10	**4.26E+01**
Ac-228	5.37E-16	1.11E-15	2.56E-03	2.31E-05	1.12E-14	4.28E-11	7.79E-15	3.04E+00	2.66E-17	8.85E-14	**3.04E+00**
Ag-110	--	--	--	--	--	--	--	2.89E-13	--	--	**2.89E-13**
Ag-110m	--	--	--	--	--	--	--	2.20E-11	--	--	**2.20E-11**
Am-241	3.64E+00	8.50E+00	4.15E+00	1.71E+04	2.06E+03	3.72E-02	2.18E+00	1.32E+03	9.07E+01	7.46E+01	**2.07E+04**
Am-242	--	1.61E-03	6.76E-03	7.16E-04	--	--	--	--	--	1.80E-01	**1.89E-01**
Am-242m	--	1.64E-03	6.88E-03	7.28E-04	--	--	--	--	--	1.83E-01	**1.93E-01**
Am-243	1.13E-05	1.72E-04	2.60E-02	1.24E-01	--	6.14E-05	--	5.42E-02	--	1.41E+00	**1.61E+00**
At-217	1.91E-07	1.46E-04	3.10E-02	2.98E-09	2.34E-06	1.29E-09	3.37E-13	5.67E+00	6.37E-11	1.37E-09	**5.71E+00**
Ba-133	--	--	4.64E-07	--	--	--	--	--	--	--	**4.64E-07**
Ba-137m	1.39E+01	8.58E+03	1.15E+04	1.75E+05	1.46E+03	7.66E+01	1.49E+03	6.25E+04	1.78E+03	1.76E+03	**2.64E+05**
Bi-210	4.20E-11	9.01E-11	9.06E-06	6.01E-09	1.04E-09	4.02E-09	5.69E-10	5.01E-06	4.26E-10	4.53E-11	**1.41E-05**
Bi-211	1.31E-08	7.90E-08	1.09E-01	1.26E-05	1.68E-08	6.32E-08	1.72E-06	4.21E+01	5.76E-08	9.47E-10	**4.22E+01**
Bi-212	5.40E-16	3.45E-16	5.25E+00	5.54E-06	7.54E-15	3.24E-05	7.82E-15	1.19E+01	1.29E-17	3.75E-04	**1.72E+01**
Bi-213	1.90E-07	1.45E-04	3.10E-02	2.97E-09	2.33E-06	1.29E-09	3.37E-13	5.66E+00	6.36E-11	1.36E-09	**5.69E+00**
Bi-214	2.07E-10	7.65E-10	1.54E-05	3.45E-08	1.25E-08	1.39E-08	2.49E-09	3.63E-05	4.90E-09	5.78E-10	**5.18E-05**
C-14	--	--	3.32E-06	1.14E-07	--	2.16E-03	--	2.16E+00	--	--	**2.17E+00**
Cd-113m	1.75E-01	--	--	2.68E-02	--	--	--	--	--	--	**2.02E-01**
Ce-144	2.04E-11	3.25E+01	--	5.62E+02	--	--	--	1.52E-06	--	--	**5.94E+02**
Cf-249	--	--	--	--	--	4.61E-12	--	8.03E-03	--	--	**8.03E-03**
Cf-250	--	--	--	--	--	--	--	2.05E-01	--	--	**2.05E-01**
Cf-251	--	--	--	--	--	5.85E-14	--	1.37E-04	--	--	**1.37E-04**
Cf-252	--	--	--	--	--	7.59E-16	--	7.22E-02	--	--	**7.22E-02**
Cm-242	1.11E-24	1.36E-03	5.72E-03	1.21E-01	1.32E-11	--	--	2.67E-15	--	1.50E-01	**2.78E-01**
Cm-243	--	4.67E-05	1.16E-02	1.27E+00	--	1.59E-05	--	9.25E+01	1.46E-01	3.42E-01	**9.42E+01**
Cm-244	5.72E-02	1.59E-03	5.69E-01	4.83E+00	1.25E-02	1.51E-03	--	4.14E+03	1.53E+00	7.61E+01	**4.22E+03**
Cm-245	--	--	8.86E-07	--	--	5.68E-07	--	1.41E-05	--	1.71E-02	**1.71E-02**
Cm-246	--	--	--	--	--	7.39E-08	--	5.88E-01	--	1.28E-02	**6.01E-01**
Cm-247	--	--	--	--	--	1.74E-13	--	1.29E-10	--	2.56E-08	**2.57E-08**
Cm-248	--	--	--	--	--	3.45E-13	--	1.71E-03	--	5.87E-07	**1.71E-03**
Co-60	4.74E-02	6.11E+00	--	6.25E+01	5.81E-02	--	2.92E-01	1.83E+02	8.39E-02	2.68E+02	**5.20E+02**
Cs-134	8.22E-06	1.52E+02	9.29E-01	1.01E+00	5.73E-05	--	--	7.56E-01	1.81E+01	9.67E-05	**1.72E+02**

Table 3-14. Unscaled RH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1] Continued

Nuclide	ANL-E	ANL-W (MFC)	BAPL	Hanford	INL	KAPL-S	LANL	ORNL	SNL-A	SRS	Total
Cs-135	--	--	9.01E-03	7.18E-04	--	4.69E-04	--	--	--	--	**1.02E-02**
Cs-137	1.48E+01	9.15E+03	1.22E+04	6.43E+05	1.55E+03	8.19E+01	1.59E+03	6.68E+04	1.91E+03	1.88E+03	**7.39E+05**
Eu-152	5.05E-05	--	4.23E-02	9.22E-03	3.31E-03	--	--	1.10E+04	--	9.35E-03	**1.10E+04**
Eu-154	2.13E-03	1.02E+02	1.27E+02	1.51E+00	1.09E-01	--	--	2.21E+03	3.98E+00	2.96E-01	**2.45E+03**
Eu-155	2.10E-03	2.47E+02	2.66E-01	4.95E-01	1.64E-02	--	1.28E+00	1.64E+02	--	--	**4.13E+02**
Fe-55	1.87E-02	--	--	5.26E-02	--	--	--	--	--	--	**7.13E-02**
Fr-221	1.91E-07	1.45E-04	3.10E-02	2.97E-09	2.33E-06	1.29E-09	3.37E-13	5.66E+00	6.36E-11	1.36E-09	**5.70E+00**
Fr-223	1.81E-10	1.09E-09	1.51E-03	1.74E-07	2.33E-10	8.71E-10	2.38E-08	5.80E-01	7.96E-10	1.31E-11	**5.82E-01**
Gd-152	6.64E-18	--	7.54E-17	1.65E-17	9.52E-17	--	--	7.22E-10	--	5.27E-17	**7.22E-10**
H-3	--	2.61E-04	2.20E+01	2.74E-01	2.29E-05	--	--	--	--	--	**2.23E+01**
Ho-166m	--	--	2.04E-07	--	--	--	--	--	--	--	**2.04E-07**
I-129	--	--	5.77E-03	2.42E-03	--	4.28E-05	--	5.43E-07	--	--	**8.23E-03**
Kr-81	--	--	1.80E-07	--	--	--	--	--	--	--	**1.80E-07**
Kr-85	1.13E-01	--	2.17E+02	--	--	--	--	--	--	--	**2.17E+02**
Mn-54	3.49E-11	4.07E-03	--	--	1.37E-07	--	--	--	--	--	**4.07E-03**
Mo-93	--	--	--	2.81E-03	--	--	--	--	--	--	**2.81E-03**
Na-22	--	2.96E-02	--	--	--	--	--	--	--	--	**2.96E-02**
Nb-93m	3.49E-04	--	6.11E-01	1.83E-04	--	6.45E-04	--	--	--	--	**6.13E-01**
Nb-94	--	--	1.89E-05	--	--	--	--	--	--	--	**1.89E-05**
Ni-59	--	--	--	1.84E-02	--	2.03E-04	--	3.91E-01	--	--	**4.09E-01**
Ni-63	--	--	--	1.60E-02	--	2.14E-02	--	4.35E+01	--	--	**4.35E+01**
Np-237	5.98E-04	6.61E-04	3.60E-02	7.77E-01	1.18E-02	9.93E-04	1.17E-05	8.07E-02	3.99E-03	1.62E-02	**9.28E-01**
Np-238	--	8.11E-06	3.40E-05	3.60E-06	--	--	--	--	--	9.06E-04	**9.51E-04**
Np-239	1.12E-05	1.70E-04	2.56E-02	1.77E-04	--	6.07E-05	--	5.35E-02	--	1.39E+00	**1.47E+00**
Np-240m	--	--	--	--	--	2.02E-12	--	2.75E-10	--	1.32E-13	**2.77E-10**
Pa-231	3.64E-08	5.04E-07	1.74E-01	3.86E-04	5.95E-08	1.20E-07	5.30E-06	3.20E-03	4.47E-07	2.06E-08	**1.78E-01**
Pa-233	5.92E-04	6.55E-04	3.56E-02	9.10E-02	1.17E-02	9.84E-04	1.15E-05	8.00E-02	3.95E-03	1.61E-02	**2.41E-01**
Pa-234	2.80E-08	3.31E-07	7.92E-08	3.94E-05	5.84E-10	4.74E-10	5.26E-08	6.81E-02	1.01E-06	8.08E-06	**6.81E-02**
Pa-234m	2.16E-05	2.55E-04	6.09E-05	3.03E-02	4.49E-07	3.65E-07	4.04E-05	5.24E+01	7.75E-04	6.22E-03	**5.24E+01**
Pb-209	1.91E-07	1.45E-04	3.10E-02	2.97E-09	2.33E-06	1.29E-09	3.37E-13	5.67E+00	6.37E-11	1.36E-09	**5.70E+00**
Pb-210	4.25E-11	9.12E-11	9.17E-06	6.08E-09	1.05E-09	4.07E-09	5.75E-10	5.07E-06	4.31E-10	4.58E-11	**1.42E-05**
Pb-211	1.31E-08	7.92E-08	1.10E-01	1.26E-05	1.69E-08	6.32E-08	1.73E-06	4.21E+01	5.76E-08	9.48E-10	**4.22E+01**
Pb-212	5.38E-16	3.44E-16	5.23E+00	5.52E-06	7.52E-15	3.23E-05	7.80E-15	1.19E+01	1.29E-17	3.73E-04	**1.71E+01**
Pb-214	2.07E-10	7.66E-10	1.55E-05	3.45E-08	1.26E-08	1.40E-08	2.49E-09	3.64E-05	4.91E-09	5.79E-10	**5.19E-05**

Table 3-14. Unscaled RH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1] Continued

Nuclide	ANL-E	ANL-W (MFC)	BAPL	Hanford	INL	KAPL-S	LANL	ORNL	SNL-A	SRS	Total
Pd-107	--	--	2.76E-04	4.65E-05	--	1.96E-05	--	--	--	--	**3.42E-04**
Pm-146	--	--	4.27E-07	--	--	--	--	--	--	--	**4.27E-07**
Pm-147	3.77E-03	2.63E+02	1.30E+01	1.06E+01	--	2.40E-02	1.35E-01	3.22E-02	1.04E+01	--	**2.97E+02**
Po-210	4.25E-11	9.07E-11	8.98E-06	6.08E-09	1.05E-09	4.07E-09	5.75E-10	5.07E-06	4.31E-10	4.12E-11	**1.41E-05**
Po-211	4.00E-11	2.41E-10	3.34E-04	3.85E-08	5.14E-11	1.93E-10	5.26E-09	1.28E-01	1.76E-10	2.89E-12	**1.29E-01**
Po-212	3.44E-16	2.20E-16	3.34E+00	3.53E-06	4.81E-15	2.06E-05	4.98E-15	7.60E+00	8.22E-18	2.39E-04	**1.09E+01**
Po-213	1.87E-07	1.42E-04	3.03E-02	2.91E-09	2.28E-06	1.26E-09	3.30E-13	5.55E+00	6.23E-11	1.33E-09	**5.58E+00**
Po-214	2.07E-10	7.66E-10	1.55E-05	3.45E-08	1.26E-08	1.40E-08	2.49E-09	3.63E-05	4.91E-09	5.79E-10	**5.19E-05**
Po-215	1.31E-08	7.92E-08	1.10E-01	1.26E-05	1.69E-08	6.33E-08	1.73E-06	4.21E+01	5.77E-08	9.48E-10	**4.23E+01**
Po-216	5.38E-16	3.43E-16	5.23E+00	5.52E-06	7.51E-15	3.23E-05	7.79E-15	1.19E+01	1.29E-17	3.73E-04	**1.71E+01**
Po-218	2.04E-10	7.53E-10	1.52E-05	3.39E-08	1.23E-08	1.37E-08	2.45E-09	3.57E-05	4.83E-09	5.69E-10	**5.10E-05**
Pr-144	2.00E-11	3.18E+01	--	5.50E+02	--	--	--	1.48E-06	--	--	**5.82E+02**
Pu-236	--	--	1.06E-07	--	--	--	--	--	--	--	**1.06E-07**
Pu-238	3.18E+00	3.90E-01	2.88E+02	1.44E+03	4.66E+03	3.20E+00	1.28E+00	1.26E+03	1.75E+01	6.61E+01	**7.73E+03**
Pu-239	6.27E+00	6.81E+00	5.02E-01	1.09E+03	6.24E+02	8.82E-03	2.45E+02	8.74E+02	1.21E+01	1.18E+01	**2.87E+03**
Pu-240	1.37E+00	8.18E+00	5.63E-01	3.62E+02	2.21E+02	2.21E-03	2.53E+00	9.56E+01	1.82E+00	1.43E+01	**7.07E+02**
Pu-241	8.79E+00	2.93E+02	3.73E+01	2.14E+05	2.29E+03	2.58E-01	2.51E+01	1.16E+03	8.76E-02	8.93E+02	**2.19E+05**
Pu-242	--	1.76E-04	3.99E-03	2.23E-01	3.20E-02	8.42E-06	1.52E-03	3.92E-01	--	3.83E-02	**6.91E-01**
Pu-243	--	--	--	--	--	1.72E-13	--	1.28E-10	--	2.53E-08	**2.54E-08**
Pu-244	--	--	--	--	--	2.00E-12	--	2.72E-10	--	1.31E-13	**2.74E-10**
Ra-223	1.33E-08	8.00E-08	1.11E-01	1.28E-05	1.70E-08	6.39E-08	1.74E-06	4.26E+01	5.83E-08	9.59E-10	**4.27E+01**
Ra-224	5.37E-16	3.43E-16	5.22E+00	5.51E-06	7.50E-15	3.22E-05	7.78E-15	1.19E+01	1.28E-17	3.73E-04	**1.71E+01**
Ra-225	1.91E-07	1.46E-04	3.10E-02	2.98E-09	2.33E-06	1.29E-09	3.37E-13	5.67E+00	6.37E-11	1.36E-09	**5.70E+00**
Ra-226	2.09E-10	7.75E-10	1.56E-05	3.49E-08	1.27E-08	1.41E-08	2.52E-09	3.68E-05	4.97E-09	5.86E-10	**5.25E-05**
Ra-228	6.34E-16	1.31E-15	3.02E-03	2.72E-05	1.32E-14	5.05E-11	9.19E-15	3.59E+00	3.14E-17	1.04E-13	**3.59E+00**
Rb-87	--	--	9.68E-07	--	--	--	--	--	--	--	**9.68E-07**
Rh-106	8.15E-09	--	1.51E-05	6.81E+02	--	--	1.87E-07	2.05E-04	--	--	**6.81E+02**
Rn-219	1.31E-08	7.91E-08	1.09E-01	1.26E-05	1.68E-08	6.32E-08	1.72E-06	4.21E+01	5.76E-08	9.47E-10	**4.22E+01**
Rn-220	5.38E-16	3.44E-16	5.23E+00	5.52E-06	7.51E-15	3.23E-05	7.79E-15	1.19E+01	1.29E-17	3.73E-04	**1.71E+01**
Rn-222	2.07E-10	7.67E-10	1.55E-05	3.46E-08	1.26E-08	1.40E-08	2.49E-09	3.64E-05	4.91E-09	5.80E-10	**5.19E-05**
Ru-106	8.23E-09	--	1.52E-05	6.88E+02	--	--	1.89E-07	2.08E-04	--	--	**6.88E+02**
Sb-125	4.84E-04	4.92E-01	5.38E-01	1.37E+00	--	--	1.40E-01	7.02E-04	--	1.31E-03	**2.54E+00**
Sb-126	4.35E-05	--	4.61E-03	8.97E-05	--	5.48E-05	--	--	--	--	**4.80E-03**
Sb-126m	3.11E-04	--	3.29E-02	6.40E-04	--	3.91E-04	--	--	--	--	**3.43E-02**

Table 3-14. Unscaled RH Radionuclides (Ci) on a Site Basis Decayed Through 2006[1] Continued

Nuclide	ANL-E	ANL-W (MFC)	BAPL	Hanford	INL	KAPL-S	LANL	ORNL	SNL-A	SRS	Total
Se-79	--	--	9.19E-02	4.26E-04	--	1.20E-04	--	--	--	--	**9.24E-02**
Sm-146	--	--	1.14E-15	--	--	--	--	--	--	--	**1.14E-15**
Sm-147	3.33E-10	7.80E-09	9.67E-11	7.84E-11	--	1.61E-12	4.15E-09	2.02E-10	2.48E-09	--	**1.51E-08**
Sm-151	6.93E-01	1.15E+01	5.12E+01	3.59E+02	--	1.31E+00	--	--	--	--	**4.24E+02**
Sn-121m	--	--	4.42E-02	9.26E-05	--	3.31E-03	--	--	--	--	**4.76E-02**
Sn-126	3.11E-04	--	3.30E-02	6.41E-04	--	3.92E-04	--	--	--	--	**3.43E-02**
Sr-90	8.35E+00	1.10E+04	1.21E+04	4.35E+05	1.15E+03	7.78E+01	1.43E+03	1.78E+05	1.90E+03	1.20E+03	**6.42E+05**
Tc-99	3.81E-03	--	3.02E+00	1.57E+01	--	2.46E-02	--	1.35E+02	--	3.73E-01	**1.54E+02**
Te-125m	1.17E-04	1.19E-01	1.28E-01	3.26E-01	--	--	3.41E-02	1.70E-04	--	3.17E-04	**6.08E-01**
Th-227	1.29E-08	7.79E-08	1.08E-01	1.24E-05	1.66E-08	6.23E-08	1.70E-06	4.15E+01	5.68E-08	9.34E-10	**4.16E+01**
Th-228	5.44E-16	3.47E-16	5.29E+00	5.58E-06	7.60E-15	3.27E-05	7.88E-15	1.20E+01	1.30E-17	3.78E-04	**1.73E+01**
Th-229	1.91E-07	1.46E-04	3.11E-02	2.98E-09	2.34E-06	1.29E-09	3.38E-13	5.68E+00	6.38E-11	1.37E-09	**5.71E+00**
Th-230	4.60E-08	3.18E-07	1.28E-03	9.47E-06	7.76E-06	1.82E-06	4.36E-07	1.31E-02	2.55E-06	6.56E-07	**1.44E-02**
Th-231	5.50E-05	2.81E-03	8.76E-03	5.73E-03	1.31E-04	8.30E-05	9.19E-03	1.32E+00	2.32E-03	3.20E-04	**1.34E+00**
Th-232	9.67E-16	7.72E-15	3.02E-03	2.38E-04	2.85E-14	4.83E-11	1.22E-14	3.52E+00	1.08E-16	6.37E-13	**3.53E+00**
Th-234	2.16E-05	2.55E-04	6.10E-05	3.04E-02	4.50E-07	3.65E-07	4.05E-05	5.24E+01	7.76E-04	6.22E-03	**5.25E+01**
Tl-207	1.30E-08	7.87E-08	1.09E-01	1.26E-05	1.68E-08	6.29E-08	1.72E-06	4.19E+01	5.73E-08	9.43E-10	**4.20E+01**
Tl-208	1.94E-16	1.24E-16	1.88E+00	1.99E-06	2.71E-15	1.16E-05	2.81E-15	4.28E+00	4.63E-18	1.34E-04	**6.16E+00**
Tl-209	4.19E-09	3.20E-06	6.82E-04	6.54E-11	5.13E-08	2.83E-11	7.41E-15	1.25E-01	1.40E-12	3.00E-11	**1.25E-01**
U-232	--	--	1.71E+01	5.77E-06	--	3.83E-05	--	1.03E+01	--	5.62E-04	**2.74E+01**
U-233	6.59E-05	1.20E-01	1.10E+01	5.11E+00	2.56E-01	4.70E-07	5.03E-10	4.24E+02	1.51E-07	2.01E-06	**4.40E+02**
U-234	3.17E-04	4.32E-03	1.54E+00	3.46E+00	6.12E-01	5.65E-03	1.85E-03	2.70E+01	3.18E-02	2.31E-02	**3.26E+01**
U-235	5.57E-05	4.12E-03	8.86E-03	1.49E-01	1.64E-02	8.40E-05	9.30E-03	1.33E+00	2.35E-03	3.24E-04	**1.52E+00**
U-236	1.26E-06	5.15E-05	1.01E-01	5.77E-02	6.94E-05	7.97E-04	1.01E-05	5.25E-02	4.86E-07	4.29E-03	**2.16E-01**
U-237	2.16E-04	7.19E-03	9.17E-04	5.24E+00	2.87E-02	6.35E-06	6.16E-04	2.84E-02	2.15E-06	2.19E-02	**5.33E+00**
U-238	2.18E-05	2.57E-04	6.16E-05	3.22E+00	2.73E-03	3.69E-07	4.09E-05	5.29E+01	7.84E-04	6.29E-03	**5.62E+01**
U-240	--	--	--	--	--	1.98E-12	--	2.69E-10	--	1.29E-13	**2.71E-10**
Y-90	8.26E+00	1.09E+04	1.20E+04	1.12E+05	1.15E+03	7.69E+01	1.41E+03	1.76E+05	1.87E+03	1.19E+03	**3.17E+05**
Y-91	--	6.58E-07	--	--	--	--	--	--	--	--	**6.58E-07**
Zn-65	--	--	--	--	1.09E-07	--	--	--	--	--	**1.09E-07**
Zr-93	4.61E-04	--	7.65E-01	3.86E-03	--	3.01E-03	--	--	--	--	**7.73E-01**
Total	**6.97E+01**	**4.08E+04**	**4.86E+04**	**1.60E+06**	**1.52E+04**	**3.18E+02**	**6.21E+03**	**5.08E+05**	**7.62E+03**	**7.44E+03**	**2.24E+06**

[1] Data Source: CID Data Version D.6.06, LANL-CO 2008.

Table 3-15. Disposal Radionuclide Inventory Decayed Through 2006[1]

Radionuclide	CH-TRU Waste (Ci/m^3)	RH-TRU Waste (Ci/m^3)	CH-TRU Waste (Total Ci)	RH-TRU Waste (Total Ci)
Ac-225	7.69E-06	3.84E-03	1.30E+00	2.72E+01
Ac-227	2.07E-06	1.23E-02	3.49E-01	8.73E+01
Ac-228	1.63E-06	8.92E-04	2.74E-01	6.32E+00
Ag-109m	9.03E-08	--	1.52E-02	--
Ag-110	1.01E-10	8.84E-17	1.71E-05	6.26E-13
Ag-110m	1.16E-06	6.72E-15	1.96E-01	4.75E-11
Am-241	2.76E+00	3.94E+00	4.64E+05	2.79E+04
Am-242	5.80E-06	3.90E-05	9.78E-01	2.76E-01
Am-242m	4.72E-05	3.96E-05	7.95E+00	2.81E-01
Am-243	5.50E-04	8.94E-04	9.27E+01	6.33E+00
Am-245	3.24E-16	--	5.46E-11	--
At-217	7.69E-06	3.85E-03	1.30E+00	2.72E+01
Ba-133	6.33E-08	6.55E-11	1.07E-02	4.64E-07
Ba-137m	4.50E-02	5.26E+01	7.58E+03	3.72E+05
Bi-210	8.95E-06	3.11E-09	1.51E+00	2.20E-05
Bi-211	2.01E-06	1.22E-02	3.39E-01	8.64E+01
Bi-212	1.39E-04	8.23E-03	2.34E+01	5.83E+01
Bi-213	7.68E-06	3.84E-03	1.29E+00	2.72E+01
Bi-214	1.68E-05	1.90E-08	2.84E+00	1.34E-04
Bk-249	4.98E-06	--	8.39E-01	--
Bk-250	1.72E-16	--	2.90E-11	--
C-14	9.86E-06	6.31E-04	1.66E+00	4.47E+00
Cd-109	1.56E-05	--	2.63E+00	--
Cd-113m	--	1.32E-04	--	9.33E-01
Ce-139	9.06E-27	--	1.53E-21	--
Ce-141	3.26E-05	--	5.49E+00	--
Ce-144	2.72E-04	1.07E-01	4.59E+01	7.60E+02
Cf-249	2.81E-03	2.45E-06	4.73E+02	1.74E-02
Cf-250	2.62E-06	5.96E-05	4.41E-01	4.22E-01
Cf-251	1.79E-07	4.19E-08	3.01E-02	2.97E-04
Cf-252	3.42E-04	2.18E-05	5.77E+01	1.55E-01
Cl-36	1.19E-08	--	2.00E-03	--
Cm-242	1.64E-05	4.95E-05	2.76E+00	3.51E-01

Table 3-15. Disposal Radionuclide Inventory Decayed Through 2006[1] Continued

Radionuclide	CH-TRU Waste (Ci/m^3)	RH-TRU Waste (Ci/m^3)	CH-TRU Waste (Total Ci)	RH-TRU Waste (Total Ci)
Cm-243	1.31E-05	2.71E-02	2.21E+00	1.92E+02
Cm-244	4.53E-02	1.23E+00	7.63E+03	8.70E+03
Cm-245	2.54E-06	7.69E-06	4.28E-01	5.44E-02
Cm-246	4.44E-05	1.89E-04	7.48E+00	1.34E+00
Cm-247	5.48E-07	1.99E-11	9.24E-02	1.41E-07
Cm-248	1.05E-06	5.23E-07	1.78E-01	3.70E-03
Cm-250	1.58E-15	--	2.66E-10	--
Co-60	5.75E-06	1.53E-01	9.69E-01	1.09E+03
Cs-134	1.00E-02	1.32E-01	1.69E+03	9.33E+02
Cs-135	--	1.71E-06	--	1.21E-02
Cs-137	4.84E-02	4.79E+02	8.15E+03	3.39E+06
Es-254	8.59E-17	--	1.45E-11	--
Eu-150	2.87E-08	--	4.84E-03	--
Eu-152	2.28E-05	3.20E+00	3.84E+00	2.27E+04
Eu-154	1.91E+00	7.49E-01	3.21E+05	5.30E+03
Eu-155	1.29E+01	2.62E-01	2.17E+06	1.85E+03
Fe-55	7.41E-10	2.11E-05	1.25E-04	1.49E-01
Fr-221	7.68E-06	3.84E-03	1.29E+00	2.72E+01
Fr-223	2.78E-08	1.68E-04	4.68E-03	1.19E+00
Gd-152	5.98E-19	2.09E-13	1.01E-13	1.48E-09
H-3	1.50E-02	3.14E-03	2.53E+03	2.23E+01
Ho-166m	1.21E-09	2.88E-11	2.04E-04	2.04E-07
I-129	4.91E-11	3.08E-06	8.27E-06	2.18E-02
K-40	2.60E-08	--	4.38E-03	--
Kr-81	--	2.55E-11	--	1.80E-07
Kr-85	2.93E-03	3.07E-02	4.94E+02	2.18E+02
Mn-54	1.56E-08	3.51E-06	2.63E-03	2.48E-02
Mo-93	--	3.97E-07	--	2.81E-03
Na-22	1.21E-06	2.55E-05	2.03E-01	1.81E-01
Nb-93m	1.19E-09	8.71E-05	2.01E-04	6.17E-01
Nb-94	2.33E-11	2.67E-09	3.92E-06	1.89E-05
Nb-95	6.94E-13	--	1.17E-07	--
Ni-59	4.61E-07	1.16E-04	7.77E-02	8.20E-01

Table 3-15. Disposal Radionuclide Inventory Decayed Through 2006[1] Continued

Radionuclide	CH-TRU Waste (Ci/m^3)	RH-TRU Waste (Ci/m^3)	CH-TRU Waste (Total Ci)	RH-TRU Waste (Total Ci)
Ni-63	2.25E-05	1.26E-02	3.79E+00	8.92E+01
Np-237	2.02E-04	6.89E-04	3.41E+01	4.88E+00
Np-238	2.78E-08	1.96E-07	4.68E-03	1.39E-03
Np-239	5.43E-04	7.69E-04	9.15E+01	5.44E+00
Np-240m	1.91E-09	8.54E-14	3.21E-04	6.04E-10
Pa-231	2.72E-06	2.57E-05	4.59E-01	1.82E-01
Pa-233	2.00E-04	5.41E-05	3.37E+01	3.83E-01
Pa-234	4.39E-07	1.98E-05	7.39E-02	1.40E-01
Pa-234m	3.37E-04	1.52E-02	5.68E+01	1.08E+02
Pb-209	7.69E-06	3.84E-03	1.30E+00	2.72E+01
Pb-210	9.06E-06	3.14E-09	1.53E+00	2.23E-05
Pb-211	2.02E-06	1.22E-02	3.40E-01	8.65E+01
Pb-212	1.38E-04	8.20E-03	2.33E+01	5.81E+01
Pb-214	1.69E-05	1.90E-08	2.84E+00	1.35E-04
Pd-107	--	5.95E-08	--	4.21E-04
Pm-146	--	6.03E-11	--	4.27E-07
Pm-147	7.14E-03	2.36E-01	1.20E+03	1.67E+03
Po-210	9.05E-06	3.12E-09	1.52E+00	2.21E-05
Po-211	6.15E-09	3.72E-05	1.04E-03	2.64E-01
Po-212	8.84E-05	5.24E-03	1.49E+01	3.71E+01
Po-213	7.52E-06	3.76E-03	1.27E+00	2.66E+01
Po-214	1.69E-05	1.90E-08	2.84E+00	1.35E-04
Po-215	2.02E-06	1.22E-02	3.40E-01	8.65E+01
Po-216	1.38E-04	8.20E-03	2.33E+01	5.80E+01
Po-218	1.66E-05	1.87E-08	2.79E+00	1.32E-04
Pr-144	2.56E-04	1.05E-01	4.32E+01	7.45E+02
Pu-236	2.32E-08	1.50E-11	3.90E-03	1.06E-07
Pu-238	1.26E+01	1.32E+00	2.12E+06	9.36E+03
Pu-239	3.19E+00	1.10E+00	5.38E+05	7.80E+03
Pu-240	7.79E-01	2.16E-01	1.31E+05	1.53E+03
Pu-241	1.13E+01	3.23E+01	1.90E+06	2.29E+05
Pu-242	3.38E-04	1.63E-04	5.69E+01	1.16E+00
Pu-243	5.42E-07	1.97E-11	9.13E-02	1.39E-07

Table 3-15. Disposal Radionuclide Inventory Decayed Through 2006[1] Continued

Radionuclide	CH-TRU Waste (Ci/m^3)	RH-TRU Waste (Ci/m^3)	CH-TRU Waste (Total Ci)	RH-TRU Waste (Total Ci)
Pu-244	1.89E-09	8.46E-14	3.19E-04	5.99E-10
Ra-223	2.04E-06	1.24E-02	3.43E-01	8.74E+01
Ra-224	1.38E-04	8.19E-03	2.33E+01	5.80E+01
Ra-225	7.69E-06	3.85E-03	1.30E+00	2.72E+01
Ra-226	1.71E-05	1.92E-08	2.87E+00	1.36E-04
Ra-228	1.92E-06	1.05E-03	3.24E-01	7.46E+00
Rb-87	--	1.37E-10	--	9.68E-07
Rh-106	1.14E-03	9.62E-02	1.92E+02	6.81E+02
Rn-219	2.01E-06	1.22E-02	3.39E-01	8.64E+01
Rn-220	1.38E-04	8.20E-03	2.33E+01	5.80E+01
Rn-222	1.69E-05	1.90E-08	2.84E+00	1.35E-04
Ru-103	1.53E-05	--	2.59E+00	--
Ru-106	1.22E-03	9.72E-02	2.06E+02	6.88E+02
Sb-125	4.12E-06	7.14E-04	6.95E-01	5.05E+00
Sb-126	8.08E-11	7.35E-07	1.36E-05	5.20E-03
Sb-126m	5.77E-10	5.25E-06	9.72E-05	3.71E-02
Sc-46	1.39E-30	--	2.34E-25	--
Se-75	6.30E-15	--	1.06E-09	--
Se-79	7.97E-10	1.31E-05	1.34E-04	9.29E-02
Sm-146	--	1.61E-19	--	1.14E-15
Sm-147	5.72E-14	8.13E-12	9.64E-09	5.76E-08
Sm-151	4.26E-05	6.96E-02	7.18E+00	4.93E+02
Sn-121m	--	8.61E-06	--	6.10E-02
Sn-126	5.78E-10	5.25E-06	9.73E-05	3.72E-02
Sr-90	1.39E-02	3.78E+02	2.34E+03	2.67E+06
Tc-99	2.33E-04	5.42E-02	3.93E+01	3.83E+02
Te-123	5.25E-23	--	8.84E-18	--
Te-123m	4.88E-27	--	8.22E-22	--
Te-125m	7.16E-05	1.72E-04	1.21E+01	1.22E+00
Th-227	1.99E-06	1.20E-02	3.35E-01	8.52E+01
Th-228	1.40E-04	8.29E-03	2.36E+01	5.87E+01
Th-229	7.71E-06	3.85E-03	1.30E+00	2.73E+01
Th-230	8.61E-07	7.64E-06	1.45E-01	5.41E-02

Table 3-15. Disposal Radionuclide Inventory Decayed Through 2006[1] Continued

Radionuclide	CH-TRU Waste (Ci/m^3)	RH-TRU Waste (Ci/m^3)	CH-TRU Waste (Total Ci)	RH-TRU Waste (Total Ci)
Th-231	3.98E-05	3.90E-04	6.70E+00	2.76E+00
Th-232	8.62E-06	1.06E-03	1.45E+00	7.48E+00
Th-234	3.38E-04	1.52E-02	5.69E+01	1.08E+02
Tl-204	4.46E-11	--	7.51E-06	--
Tl-207	2.01E-06	1.21E-02	3.38E-01	8.60E+01
Tl-208	4.98E-05	2.95E-03	8.39E+00	2.09E+01
Tl-209	1.69E-07	8.45E-05	2.85E-02	5.98E-01
U-232	1.35E-04	1.01E-02	2.28E+01	7.12E+01
U-233	4.62E-03	1.32E-01	7.79E+02	9.34E+02
U-234	1.37E-03	1.14E-02	2.31E+02	8.08E+01
U-235	5.13E-05	5.30E-04	8.65E+00	3.75E+00
U-236	1.10E-05	8.35E-05	1.86E+00	5.91E-01
U-237	2.59E-04	7.62E-04	4.36E+01	5.40E+00
U-238	3.45E-04	1.83E-02	5.80E+01	1.30E+02
U-240	1.87E-09	8.37E-14	3.15E-04	5.92E-10
Y-90	1.32E-02	7.84E+01	2.22E+03	5.55E+05
Y-91	--	5.79E-10	--	4.10E-06
Zn-65	2.96E-09	1.54E-11	4.99E-04	1.09E-07
Zr-93	6.79E-09	1.11E-04	1.14E-03	7.87E-01
Zr-95	8.30E-06	--	1.40E+00	--
Grand Total	**4.56E+01**	**1.03E+03**	**7.68E+06**	**7.32E+06**

Data Source: CID Data Version D.6.06, LANL 2008.

[1] Concentration and total curies estimates based on 168,485 m^3 of CH waste and 7,079 m^3 of RH waste.

4.0 NON-WIPP/POTENTIAL WIPP TRANSURANIC WASTE

This section identifies TRU waste streams currently not included in the WIPP-bound TRU waste inventory. The TRU waste permitted to come to WIPP is restricted by radionuclide activity limits, volume, classification, and purpose of generation (i.e., TRU waste generated only from defense activities). These restrictions are discussed in section 4.1. Other restrictions result from how the waste has been managed at the DOE TRU waste sites. Some materials that have not been declared TRU waste by the sites at this time may become TRU waste in the future. These potential future waste streams may ultimately become eligible for shipment to WIPP and are discussed in section 4.2. Waste profiles and waste streams for potential TRU waste are presented in Appendix C.

4.1 Non-WIPP Transuranic Waste

As listed below, the DOE has several categories of TRU waste that are currently not acceptable for disposal in WIPP:

- Non-defense TRU waste — The DOE National Security and Military Applications of Nuclear Energy Authorization Act of 1980 authorized the construction of WIPP to demonstrate the safe disposal of radioactive waste resulting from U. S. defense activities.[4] Under the LWA, Congress restricted WIPP to the disposal of TRU radioactive waste from atomic energy defense activities.[5] Accordingly, WIPP may not accept non-TRU radioactive waste, and more specifically, non-defense (i.e., commercial) TRU radioactive waste for disposal.

- RH-TRU waste exceeding 23,000 Ci/m^3 (23 Ci/l) — This limit is mandated by the LWA.

- RH-TRU waste with dose rates greater than 1000 rem/hr — This limit is mandated by the LWA, which also requires that only 5 percent of the RH-TRU waste emplaced at WIPP may exceed 100 rem per hour (R/hr).

- TRU waste streams with D001 (Ignitable), D002 (Corrosive), and D003 (Reactive) RCRA hazardous waste numbers — This restriction is from the WIPP Hazardous Waste Permit (NMED 1999).

- Waste determined to be low-level waste, mixed low-level waste, high-level waste, or spent nuclear fuel — This restriction is mandated by the LWA.

- Total curies of RH-TRU waste shall not exceed 5.1 million curies — This limit is mandated by the LWA.

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[4] Pub. L. No. 96-164, § 213, 93 Stat. 1259, 1265 (1979).

[5] Pub. L. No. 102-579, §§ 2, 7, 106 Stat. 4777, 4779, 4785, 4786 (1992), as amended, Waste Isolation Pilot Plant Land Withdrawal Act Amendments, Pub. L. No. 104-201, §§ 3182, 3186, 110 Stat. 2422, 2851, 2852 (1996)

4.2 Potential WIPP Transuranic Waste

Categories of waste that eventually may become acceptable for disposal at WIPP include the following:

- Unknown — Potential TRU waste may come from TRU waste streams currently declared "unknown" (see Tables 4-1 and 4-2). These TRU wastes have not been characterized adequately to determine the final TRU waste form and/or other significant parameters. If these TRU wastes are characterized and meet the WIPP Waste Acceptance Criteria (WAC) (DOE 2006a), they will be included in the WIPP TRU waste inventory in the future.

- Pre-1970 buried TRU waste — Several DOE TRU waste sites (LANL, SRS, Hanford, INL, ORNL, and West Valley Demonstration Project) have TRU waste that was buried prior to 1970. INL is currently preparing pre-1970 buried TRU waste for shipment to WIPP as mandated by a federal district court order.[6] Two waste streams at Hanford Richland Operations (RL618-01 and RL618-07) have been added to potential waste in this report. SRS and ORNL have RCRA caps on pre-1970 buried TRU waste, and this waste will not be excavated or retrieved per the Government Accounting Office (GAO 2007).

- Defense determination pending — Some TRU waste streams require a formal defense determination.

- Newly-identified TRU waste —Newly-identified TRU waste not identified in the last collection period.

- Beryllium block TRU waste stream at INL — This waste stream includes beryllium blocks and outer shim control cylinders from the Advanced Test Reactor and may be considered in the future. The radionuclide concentrations are too high to be considered in this update.

- Any TRU waste contaminated with constituents other than those listed in Table II.C.4 of the WIPP Hazardous Waste Permit — This waste requires a permit modification or removal of hazardous waste numbers before shipment.

- All waste streams from the Hanford Office of River Protection (Hanford-RP) (tank wastes managed as high-level waste [HLW]), two sodium-bearing waste streams at INL, and sludge from Hanford RL K-Basin knock-out pots — Categorization as potential TRU waste based on CBFO correspondence (Moody 2007b).

[6] Public Serv. Co. v. Kempthorne, 2006 U.S. Dist. LEXIS 34584 (D. Idaho May 25, 2006) (under rules of contract interpretation, the 1995 agreement between the U.S. Department of Energy and the State of Idaho requires the Department to remove transuranic waste in a subsurface disposal area as well as in an above ground storage area at the Department's Idaho facility by 2018).

Table 4-1. Potential CH-TRU Waste Streams

Waste Stream ID	Waste Stream Name	Final Form Stored Payload (m^3)	Final Form Projected Payload (m^3)	Final Form Anticipated Payload (m^3)
BT-T006	Neutron Sources	5.09E+01	0.00E+00	5.09E+01
FR-MOX-MT02	Framatome MOX [mixed oxide] Fuel Plant D&D TRU Heterogeneous Mixed Debris Waste	4.16E-01	0.00E+00	4.16E-01
FR-MOX-T01	Framatome MOX Fuel Plant D&D TRU Heterogeneous Debris Waste	5.62E+00	0.00E+00	5.62E+00
IN-W146.699	TRU HEAVY METAL SLUDGE	2.29E+00	0.00E+00	2.29E+00
IN-W159.1072	EVAPORATOR AND DISSOLVER SLUDGE: Direct Ship	1.89E+00	0.00E+00	1.89E+00
IN-W325.1076	PARTS: Cert-repack	4.16E-01	0.00E+00	4.16E-01
IN-W325.679	PARTS: Direct Ship	5.88E+00	0.00E+00	5.88E+00
IN-W341.671	ANL-W (MFC) HFEF ANALYTICAL CHEMISTRY AND META: Cert-repack	2.08E-01	0.00E+00	2.08E-01
IN-W341.954	ANL-W (MFC) HFEF ANALYTICAL CHEMISTRY AND META: Direct Ship	1.89E+00	0.00E+00	1.89E+00
IN-W350.650	WASTE MATERIAL :Direct Ship	2.08E-01	0.00E+00	2.08E-01
IN-W350.923	WASTE MATERIAL: Cert-repack	2.08E-01	0.00E+00	2.08E-01
IN-W353.859	SOLIDIFIED SOLUTIONS: Direct Ship	1.89E+00	0.00E+00	1.89E+00
IN-W359.853	Neutron Sources	8.32E-01	0.00E+00	8.32E-01
IN-W360.852	MISCELLANEOUS SOURCES:RH Direct Ship	2.08E-01	0.00E+00	2.08E-01
IN-W360.912	MISCELLANEOUS SOURCES: Cert-repack	2.08E-01	0.00E+00	2.08E-01
LA-LA238HOR	Pu-238 Homogeneous, Hazardous	8.32E-01	7.90E+00	8.74E+00
LA-TA-03-17	HEPA Filters	2.18E+01	0.00E+00	2.18E+01
LA-TA-55-52	Oil on vermiculite, corrosive waste not for disposal at WIPP (mixed).	6.24E-01	0.00E+00	6.24E-01
LB-T002	LBL - Waste	4.16E-01	0.00E+00	4.16E-01
LL-T001	R&D Glovebox Waste (Form 1)	0.00E+00	2.69E+02	2.69E+02
LL-T003	Combined metal scrap & incidental combust (Form 3)	0.00E+00	4.76E+02	4.76E+02
MC-W002	USAMC TRU Waste	2.08E-01	0.00E+00	2.08E-01
PA-A015[1]	Transuranic – Solid	2.77E+00	0.00E+00	2.77E+00
PA-W014[1]	Transuranic Waste Liquid/Solids	3.48E+00	0.00E+00	3.48E+00
RL618-01	618 - 10&11 Burial Grounds TRU Mixed Debris	9.13E+03	0.00E+00	9.13E+03
RLRFET-01	Rocky Flats TRU Mixed Debris	2.45E+02	0.00E+00	2.45E+02
RP-TFC001	Bismuth Phosphate Process TRU Solids	4.39E+02	0.00E+00	4.39E+02
RP-W754	224 Waste	3.23E+02	0.00E+00	3.23E+02
RP-W755	Bismuth Phosphate Process TRU Solids	7.94E+02	0.00E+00	7.94E+02
SP-T001	(blank)	4.99E+01	0.00E+00	4.99E+01
SR-T001-773A-CLAS	CH-TRU - waste from 773A	1.25E+02	0.00E+00	1.25E+02
SR-T001-WSB-1	UNKNOWN	0.00E+00	4.91E+03	4.91E+03
SR-T001-WSB-3	UNKNOWN	0.00E+00	1.44E+02	1.44E+02

Waste Stream ID	Waste Stream Name	Final Form Stored Payload (m^3)	Final Form Projected Payload (m^3)	Final Form Anticipated Payload (m^3)
SR-W026-MFFF-1	UNKNOWN	0.00E+00	3.50E+03	3.50E+03
SR-W026-PDCF-1	UNKNOWN	0.00E+00	2.15E+03	2.15E+03
SR-W026-WSB-2	UNKNOWN	0.00E+00	6.26E+02	6.26E+02
SR-W027-221H-HET-B	Heterogeneous debris from 221H	1.48E+01	0.00E+00	1.48E+01
SR-W027-HBL-Box-B	CH mixed TRU from 221H	1.02E+02	0.00E+00	1.02E+02
SR-W027-SRSG-SOIL	CH mixed TRU Soil / Gravel (S4000)	3.33E+00	0.00E+00	3.33E+00
VN-CHT001	Heterogeneous debris	2.02E+01	0.00E+00	2.02E+01
WV-M005	TRU Filters	1.20E+02	0.00E+00	1.20E+02
WV-M007	TRU General Waste	1.08E+01	0.00E+00	1.08E+01
WV-M008	TRU Concrete	2.08E-01	0.00E+00	2.08E-01
WV-M010	TRU Spent Absorbents	8.32E-01	0.00E+00	8.32E-01
WV-M013	Sweeping Compound	1.87E+00	0.00E+00	1.87E+00
WV-M015	Chemical Process Cell General Waste	1.31E+01	0.00E+00	1.31E+01
WV-T001	Fissile Material - Solids	3.12E+01	0.00E+00	3.12E+01
WV-T004	Fissile Material - Other	6.24E-01	0.00E+00	6.24E-01
WV-T006	TRU General Waste	1.04E+01	1.02E+01	2.06E+01
WV-T009	TRU General Laboratory Waste	9.98E+00	2.12E+01	3.12E+01
WV-T011	TRU Glove Boxes	3.39E+01	0.00E+00	3.39E+01
WV-T014	Chemical Process Cell Vessels	2.70E+02	0.00E+00	2.70E+02
WV-T016	Chemical Process Cell Miscellaneous Equipment	1.47E+02	0.00E+00	1.47E+02
WV-T017	Spent Filter Media	2.29E+00	0.00E+00	2.29E+00
WV-T018b	Head End Cell Debris	1.52E+02	2.75E+01	1.79E+02
WV-T019	FRS Pool Filters	0.00E+00	1.87E+00	1.87E+00
WV-T020	PPC/XC2 PPE and DAW	0.00E+00	2.27E+02	2.27E+02
WV-W024	TRU Lead	1.79E+01	0.00E+00	1.79E+01
WV-Z001	West Valley Buried TRU Waste	1.35E+03	0.00E+00	1.35E+03
	Grand Total	**1.35E+04**	**1.24E+04**	**2.59E+04**

Data Source: CID Data Version D.6.06, LANL2008.

Table 4-2. Potential RH-TRU Waste Streams

Waste Stream ID	Waste Stream Name	Final Form Stored Payload (m^3)	Final Form Projected Payload (m^3)	Final Form Anticipated Payload (m^3)
AW-IN-TRA-BE-01	TRA Beryllium Blocks	1.51E+01	1.07E+01	2.58E+01
AW-W018	SODIUM - TRU	4.45E+00	0.00E+00	4.45E+00
AW-W019	SODIUM POTASSIUM - NaK - TRU	8.90E-01	0.00E+00	8.90E-01
AW-W029	RSWF TRANSURANIC WASTE	1.25E+01	0.00E+00	1.25E+01
AW-W048	FCF Indirect RH-MTRU [mixed TRU] Waste	1.78E+00	4.45E+00	6.23E+00
IN-ID-RTC-S5000	RH-TRU Debris waste from Reactor Technology Complex at THE INL	0.00E+00	1.49E+02	1.49E+02
IN-SBW-01A	SBW Treatment – Steam Reforming – Carbonate Waste Form	5.34E+02	0.00E+00	5.34E+02
IN-SBW-01B	SBW Treatment – Steam Reforming – Debris	0.00E+00	8.90E+01	8.90E+01
RL105-09A	105KE knock out pots - TRU RH mixed solidified inorganics	8.90E-01	0.00E+00	8.90E-01
RL618-07	618 - 10&11 Burial Grounds TRU RH Non-mixed Debris	1.31E+02	0.00E+00	1.31E+02
RLCH2-08	Tank Farms TRU RH Mixed Debris	2.94E+02	0.00E+00	2.94E+02
RP-TFC002	Bismuth Phosphate Process TRU Solids mixed with Fission Product Waste	1.92E+03	0.00E+00	1.92E+03
RP-TFC003	Bismuth Phosphate Process TRU Solids mixed with Fission Product Waste	2.58E+02	0.00E+00	2.58E+02
RP-W013	PFP TRU Solids	4.10E+02	0.00E+00	4.10E+02
RP-W016	PUREX TRU Cladding Removal Solids	1.28E+03	0.00E+00	1.28E+03
VN-RHT001	Heterogeneous debris	1.25E+01	0.00E+00	1.25E+01
WV-T018a	Head End Cell Debris	2.85E+01	0.00E+00	2.85E+01
WV-T021	Remote-handled waste facility (RHWF) Process	0.00E+00	1.16E+02	1.16E+02
	Grand Total	**4.90E+03**	**3.68E+02**	**5.27E+03**

Data Source: CID Data Version D.6.06, LANL 2008.

[1] Paducah would not report a final form container in the inventory and the information had to be added in the table manually.

5.0 SUMMARY

This report is an update of the TWBIR-2004, which documented the total estimated inventory of TRU waste as defined by the DOE TRU waste sites in support of the PABC for the CRA-2004. The TWBIR-2004 cut-off date for data collection was September 30, 2002. Like the TWBIR-2004, this report focuses on changes resulting from characterization, improved estimations, continued generation, and WIPP emplacement. The cut-off date for data collection for this report was December 31, 2006.

This report contains the information required for PA modeling calculations, as well as additional information helpful for TRU waste management and strategic decisions. Beginning with this report, site inventory information will be updated annually to track changes in the TRU waste inventory.

The information in this report was collected from and validated by the DOE TRU waste sites and entered into the newly-qualified CID database. The CID includes estimates for: 1) disposal waste volumes (stored, projected, and emplaced); 2) radionuclides (unscaled, disposal, and decayed); 3) waste material parameters average densities; 4) disposal complexing agents; 5) disposal oxyanions; 6) solidified disposal cements; 7) disposal packaging materials; and 8) the disposal materials used to emplace TRU waste in the WIPP repository.

This report includes WIPP-bound waste, emplaced waste, potential TRU waste, inventory comparisons, radiological data (with radionuclides decayed to seven time periods for use in PA), and a historic crosswalk of TRU waste streams in Appendices A, B, C, D, E, and F, respectively.

On October 18, 2007, LANL-CO received a letter from the CBFO manager instructing the inventory team that “all waste streams from the Hanford Office of River Protection (tank wastes managed as HLW) and the two sodium-bearing waste streams from the Idaho National Laboratory (INL) shall be categorized as potential WIPP waste. In addition, the sludge from the Hanford Richland Operations (RL) K-Basin knock-out pots shall also be included in a separate waste stream and placed in the potential WIPP waste category” (Moody 2007b).

This revision is the result of the discovery of a calculation error based on the methodology used by LANL to report radionuclide activity concentration for their waste streams. This report provides the revised waste stream radionuclide concentrations based on the application of radionuclide activity over the entire waste stream volume. The inventory team made these changes in the CID and ensured that site validation of the changes was completed.

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ANNUAL TRANSURANIC WASTE INVENTORY REPORT – 2007
APPENDIX A
WIPP-Bound Waste

The following waste stream profiles contain information on waste streams that are being considered for shipment to WIPP at this time and are expected to meet the Transuranic Waste Acceptance Criteria for the WIPP (DOE 2006b) as of the inventory date, December 31, 2006. In addition, waste that has already been shipped to WIPP is identified with a waste stream ID ending in "-S", and volumes for these waste streams are recorded in the "Shipped" category.

The TRU waste sites that have reported WIPP-bound waste streams are:

Argonne National Laboratory – East	AE
Argonne National Laboratory – West (currently MFC)	AW
Bettis Atomic Power Laboratory	BT
Idaho National Laboratory	IN
Knolls Atomic Power Laboratory – Schenectady	KA
Knolls Atomic Power Laboratory – Nuclear Fuels Service	KN
Los Alamos National Laboratory	LA
Lawrence Berkeley Laboratory	LB
Lawrence Livermore National Laboratory	LL
U. S. Army Materiel Command	MC
Nevada Test Site	NT
Oak Ridge National Laboratory	OR
Rocky Flats Environmental Technology Site[1]	RF
Hanford (Richland)	RL
Sandia National Laboratories (Albuquerque)	SA
Savannah River Site	SR

[1] Although RFETS waste has been completely shipped to WIPP, the site is still represented in the WIPP-bound waste profiles. All volumes recorded on these profiles are in the "Shipped" category.

Waste Stream ID: AECHDM-S

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-AECHDM	56.6
55-gal Drum Dir Ld w/o Liner	WP-AECHDM	0.2
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-AECHDM	47.9
Shipped Total		104.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	76.72
Aluminum-based Metals/Alloys	1.41
Other Metals	6.14
Other Inorganic Materials	6.37
Cellulosics	5.55
Rubber	10.96
Plastics	40.03
Cements	0.00
Inorganic Matrix	1.88
Organic Matrix	0.88
Soils/gravel	0.11
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.19E-01
Am-243	1.80E-02
Cm-244	1.16E-03
Cs-137	1.74E-02
Np-237	1.17E-03
Pu-238	6.15E-01
Pu-239	8.16E-01
Pu-240	6.18E-01
Pu-241	9.02E-01
Pu-242	2.50E-04
Pu-244	1.92E-19
Sr-90	1.81E-02
Th-229	8.16E-05
Th-230	2.03E-08
Th-232	4.07E-18
U-233	4.01E-04
U-234	7.54E-04
U-235	1.43E-05
U-236	5.49E-08
U-238	4.21E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D021, D027, D028, D030, D037, F001, F002, F003, F004, F005

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AECHHM-S

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3110
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-AECHHM	9.4
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-AECHHM	4.8
Shipped Total		14.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	348.27
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.04E+00
Am-243	3.63E-04
Cs-137	1.01E-04
Np-237	1.21E-04
Pu-238	3.17E-01
Pu-239	2.92E+00
Pu-240	1.16E+00
Pu-241	3.11E-13
Pu-242	1.43E-04
Sr-90	1.05E-04
Th-229	2.27E-05
Th-230	1.02E-08
Th-232	7.67E-18
U-233	1.57E-09
U-234	3.79E-04
U-235	7.46E-06
U-236	1.04E-07
U-238	1.90E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D027, D028, D030, D035, D036, D037, F001, F002, F003, F004, F005

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AE-T001

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5420	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	ANL-E Contact-Handled Mixed Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	66.1	67.8
Current Form Total	1.7	66.1	67.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	66.1	67.8
Final Form Total	1.7	66.1	67.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	77.00
Aluminum-based Metals/Alloys	8.68
Other Metals	23.30
Other Inorganic Materials	4.78
Cellulosics	5.99
Rubber	7.32
Plastics	63.40
Cements	0.00
Inorganic Matrix	1.64
Organic Matrix	0.42
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.65E-01
Cs-137	2.12E-02
Np-237	4.28E-03
Pu-238	7.51E-02
Pu-239	9.11E-01
Pu-240	5.38E-01
Pu-241	8.59E-01
Pu-242	4.37E-04
Sr-90	1.49E-02
Th-229	1.12E-06
Th-230	1.01E-08
Th-232	3.96E-07
U-233	6.00E-04
U-234	5.86E-05
U-235	1.80E-05
U-236	4.46E-07
U-238	3.18E-04

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011

TRUCON Code(s)

116/216

Waste Stream Description

Organic debris, plastic,rubber,paper, cloth. Waste stream identifiers previously referred to as AE-W041 and AE-W042 are now included with waste stream AE-T001.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AE-T003

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3110	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	ANL-E Contact-Handled Mixed Homogenous Solids			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.7	13.3	20.0
Current Form Total	6.7	13.3	20.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.7	13.3	20.0
Final Form Total	6.7	13.3	20.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	101.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	79.00
Inorganic Matrix	216.30
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.49E-01
Cs-137	2.57E-04
Np-237	6.22E-04
Pu-238	4.41E-02
Pu-239	1.24E+00
Pu-240	4.79E-01
Pu-241	2.08E+00
Pu-242	1.34E-05
Sr-90	6.51E-04
Th-229	6.90E-07
Th-230	2.42E-10
Th-232	1.14E-16
U-233	4.09E-04
U-234	2.68E-06
U-235	3.24E-06
U-236	2.56E-07
U-238	7.14E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D027, D028, D030, D035, D036, D037, F001, F002, F003, F004, F005

TRUCON Code(s)

129/229

Waste Stream Description

Solidified inorganic liquid waste from evaporator bottom. Waste stream identifiers previously referred to as AE-W038, AE-W039 and AE-W040 are now included with waste stream AE-T001.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AE-T009

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	RH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	RH TRU			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	7.7	22.6	30.3
Current Form Total	7.7	22.6	30.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	10.7	32.0	42.7
Final Form Total	10.7	32.0	42.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	61.60
Aluminum-based Metals/Alloys	18.60
Other Metals	79.60
Other Inorganic Materials	10.80
Cellulosics	0.90
Rubber	9.00
Plastics	21.10
Cements	0.00
Inorganic Matrix	10.40
Organic Matrix	13.20
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.53E-02
Am-243	2.65E-07
Cm-244	1.34E-03
Cs-137	3.47E-01
Np-237	1.40E-05
Pu-238	7.44E-02
Pu-239	1.47E-01
Pu-240	3.21E-02
Pu-241	2.06E-01
Sr-90	1.96E-01
Th-229	4.47E-09
Th-230	1.08E-09
Th-232	2.26E-17
U-233	1.54E-06
U-234	7.42E-06
U-235	1.30E-06
U-236	2.95E-08
U-238	5.10E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

This waste is generated primarily as a result of fuel research activities.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: MU-W002-S

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-MU-W002	4.8
Shipped Total		4.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.68
Aluminum-based Metals/Alloys	2.17
Other Metals	0.02
Other Inorganic Materials	2.73
Cellulosics	0.10
Rubber	0.00
Plastics	2.67
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.46E+00
Am-243	2.38E-04
Cs-137	3.57E-07
Np-237	8.05E-04
Pu-239	4.73E-03
Sr-90	3.72E-07
Th-229	2.29E-04
Th-230	4.02E-16
U-233	1.05E-08
U-234	2.98E-11
U-235	1.40E-11
U-238	3.62E-06

Haz. Waste No(s).

D006, D011

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

A - AE - 6

Waste Stream ID: AW-N026.82

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	ALHC UPGRADE DECON DEBRIS					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/o Liners	3.8	0.0	3.8
Current Form Total	3.8	0.0	3.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/o Liners	3.8	0.0	3.8
Final Form Total	3.8	0.0	3.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	236.00
Aluminum-based Metals/Alloys	42.00
Other Metals	7.00
Other Inorganic Materials	52.00
Cellulosics	81.00
Rubber	18.00
Plastics	68.00
Cements	296.40
Inorganic Matrix	5.00
Organic Matrix	1.00
Soils/gravel	3.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	1.10E+00
Pu-239	9.30E-03
Sr-90	5.47E+00
U-235	1.19E-10

Haz. Waste No(s).

D006, D007, D008

TRUCON Code(s)

125/225

Waste Stream Description

Paint scraping debris from analytical lab hot cell refurbishment. Bags of lead-lined gloves were placed in the solidified CO2 bead blasting waste drums to fill the void spaces. The leftover gloves were placed in a separate 30-gallon drum. 1710 lbs of waste are in two TRU SWBs; Container numbers MW-S-94-02 AND MW-S-94-03.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-N027.531

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5311
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Likely Defense-Related	**Handling**	CH
Stream Name	LEAD CONTAMINATED WASTE			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	3.3	4.2
Current Form Total	0.8	3.3	4.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	3.3	4.2
Final Form Total	0.8	3.3	4.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	109.00
Aluminum-based Metals/Alloys	0.20
Other Metals	50.00
Other Inorganic Materials	15.00
Cellulosics	191.00
Rubber	30.00
Plastics	59.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.07E-03
Np-237	9.67E-09
Pu-238	4.00E+00
Pu-239	3.26E+00
Pu-240	1.97E-02
Pu-241	1.13E-02
Pu-242	2.48E-07
Th-229	2.84E-10
Th-230	7.33E-09
Th-232	1.44E-18
U-233	3.03E-07
U-234	1.40E-04
U-235	2.11E-06
U-236	5.84E-09
U-238	7.73E-09

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is typically lead-lined gloves removed from Casting Lab and Analytical Laboratory glove boxes.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-T031.1322

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5420	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	FCF (RH) MISCELLANEOUS TRU WASTE					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Canister - (MFC) o/p 45-gal Drums	0.0	10.9	10.9
Liner - RSWF	1.1	0.0	1.1
Current Form Total	1.1	10.9	12.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	0.9	14.2	15.1
Final Form Total	0.9	14.2	15.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	179.90
Aluminum-based Metals/Alloys	32.30
Other Metals	5.40
Other Inorganic Materials	40.00
Cellulosics	62.20
Rubber	13.70
Plastics	51.80
Cements	0.00
Inorganic Matrix	3.60
Organic Matrix	0.60
Soils/gravel	2.30
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.98E-02
Am-243	1.14E-05
Cm-244	1.05E-04
Cs-137	3.15E+02
Np-237	3.69E-05
Pu-238	2.58E-02
Pu-239	8.67E-05
Pu-240	4.16E-01
Pu-241	8.00E-01
Pu-242	1.16E-05
Sr-90	4.19E+02
Th-229	2.84E-12
Th-230	3.70E-09
Th-232	4.95E-16
U-233	1.03E-08
U-234	1.37E-04
U-235	8.67E-05
U-236	3.36E-06
U-238	3.66E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Fuel Conditioning Facility (FCF) and Hot Fuel Examination Facility (HFEF) Remote-handled (RH) Radioactive Transuranic Miscellaneous waste: hot laboratory waste, filters, etc.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-T033.1325

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	Analytical Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	ANL-752 TRU WASTE			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	20.0	22.9
Current Form Total	2.9	20.0	22.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	20.0	22.9
Final Form Total	2.9	20.0	22.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	236.00
Aluminum-based Metals/Alloys	42.00
Other Metals	7.00
Other Inorganic Materials	52.00
Cellulosics	81.00
Rubber	18.00
Plastics	68.00
Cements	0.00
Inorganic Matrix	5.00
Organic Matrix	1.00
Soils/gravel	3.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.04E-03
Np-237	7.69E-09
Pu-238	4.07E+00
Pu-239	3.26E+00
Pu-240	1.97E-02
Pu-241	1.24E-02
Pu-242	2.48E-07
Th-229	2.27E-10
Th-230	5.02E-09
Th-232	9.23E-19
U-233	3.03E-07
U-234	1.17E-04
U-235	2.11E-06
U-236	4.67E-09
U-238	7.73E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Transuranic waste generated from Casting Laboratory (CL), formerly known as Plutonium Casting Lab (PCL) and the Experimental Fuels Lab (EFL), and Analytical Laboratory (AL) Hot cell operations. This waste is typically packaged in 55-gallon drums.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W020.13

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	RH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	TRU-CD-HOT CELL WASTE					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
45-gal Drum	0.3	9.2	9.5
Liner - RSWF	0.4	0.0	0.4
Liner - RSWF	0.5	0.0	0.5
Current Form Total	1.2	9.2	10.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	0.9	9.8	10.7
Final Form Total	0.9	9.8	10.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	126.80
Aluminum-based Metals/Alloys	0.00
Other Metals	0.50
Other Inorganic Materials	56.50
Cellulosics	0.20
Rubber	0.00
Plastics	1.50
Cements	296.40
Inorganic Matrix	315.90
Organic Matrix	0.10
Soils/gravel	0.50
Vitrified	22.70
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.53E-01
Cs-137	1.49E+01
Np-237	9.55E-06
Pu-239	5.62E-01
Pu-240	1.76E-01
Pu-241	2.63E+01
Sr-90	2.87E+00
Th-229	1.36E-05
Th-230	2.46E-08
Th-232	2.18E-17
U-233	1.12E-02
U-234	2.10E-04
U-235	1.42E-04
U-236	6.78E-08
U-238	2.29E-05

Haz. Waste No(s).

D006, D007, D008

TRUCON Code(s)

325

Waste Stream Description

This waste stream consisted of metallic cadmium, salts, and associated cleanup materials (paper towels and cloth rags). Waste also includes RCRA metal contaminated remote-handled TRU-Mixed HEPA filters from the Analytical Lab The waste is contaminated with activation and fission products as well as with plutonium. This waste stream is generated from Fuel Conditioning Facility Demonstration support experiments; the analysis of fuels in the hot cells. Waste is stored in the Radioactive Scrap and Waste Facility and Sodium Storage Building. Future waste generation will be small because evaporation as part of the process will be done in the hot cell to minimize the volume.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W026

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Likely Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	ALHC Upgrade Decon Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Liner - RSWF	0.2	0.0	0.2
Liner - RSWF	0.5	0.0	0.5
Current Form Total	0.7	0.0	0.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	97.00
Aluminum-based Metals/Alloys	1.80
Other Metals	203.60
Other Inorganic Materials	11.20
Cellulosics	6.30
Rubber	0.40
Plastics	4.10
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.76E-01
Cs-137	1.71E-01
Np-237	7.50E-07
Pu-239	3.16E-02
Sr-90	6.05E-01
Th-229	8.61E-15
Th-230	9.45E-16
U-233	2.12E-11
U-234	1.62E-11
U-235	3.25E-06
U-238	4.42E-07

Haz. Waste No(s).

D006, D007, D008

TRUCON Code(s)

325

Waste Stream Description

Waste packaged for WIPP containing remote-handled radioactive cadmium contaminated debris from CH-ANL-242T and remote-handled waste similar to AW-N026.82, solidified to meet WIPP-WAC requirement for particulate immobilization. RSWF Containers SN-161 and T-46.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W028

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Likely Defense-Related	**Handling**	RH
Stream Name	TRU Waste Used Pre-Filters.			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
45-gal Drum	0.3	5.4	5.8
Bin - Metal	3.8	0.0	3.8
Current Form Total	4.1	5.4	9.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	1.8	5.3	7.1
Final Form Total	1.8	5.3	7.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	28.90
Other Metals	72.30
Other Inorganic Materials	57.80
Cellulosics	101.20
Rubber	28.90
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	2.99E-01
Pu-239	3.50E-02
Pu-240	1.84E-03
Sr-90	8.29E-01
Th-230	2.07E-15
Th-232	2.28E-19
U-234	3.55E-11
U-235	1.80E-06
U-236	7.09E-10
U-238	9.70E-07

Haz. Waste No(s).

D006, D007, D008

TRUCON Code(s)

325

Waste Stream Description

This waste stream consists of metal or wood-framed filters. Pre-Filters are 2'x2'x0.5', standard HEPA filters are 2'x2'x1'. The filters have screen mesh covering high efficiency filtering media. The concentration of radioisotopes and RCRA metals varies in each filter. These filters were generated from the decontamination of the analytical hot cells in 1993 and 1994, and subsequent hot cell filter changeouts in the Analytical Lab and the Fuel Conditioning Facility.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W046

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	FCF RLWS Filters and Resin					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
45-gal Drum	0.3	3.1	3.4
Current Form Total	0.3	3.1	3.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	0.9	3.6	4.5
Final Form Total	0.9	3.6	4.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	24.70
Aluminum-based Metals/Alloys	1.80
Other Metals	2.00
Other Inorganic Materials	469.70
Cellulosics	10.52
Rubber	0.40
Plastics	21.04
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	8.60E+02
Pu-239	1.20E-01
Sr-90	9.37E+02
U-235	2.86E-04

Haz. Waste No(s).

D006

TRUCON Code(s)

325

Waste Stream Description

The filters consist of two types. One is a depth filter made entirely of polypropylene. The other is a pleated filter made up of a glass fiber filter media with polyester support. This media is housed in a polypropylene cage with silicone O-rings. The filters are used primarily for the removal of cadmium. However, they also remove uranium and plutonium.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W047

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	FCF Crucible (Graphite)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
45-gal Drum	0.2	1.5	1.7
Current Form Total	0.2	1.5	1.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	0.9	1.8	2.7
Final Form Total	0.9	1.8	2.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	194.00
Aluminum-based Metals/Alloys	1.80
Other Metals	418.00
Other Inorganic Materials	11.20
Cellulosics	6.30
Rubber	0.40
Plastics	4.10
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	1.46E+02
Pu-239	8.16E-04
Sr-90	1.59E+02
U-235	2.41E-12

No Hazardous Waste Numbers Provided

TRUCON Code(s)

315

Waste Stream Description

The crucible waste stream in the Fuel Conditioning Facility (FCF) has been characterized as TRU waste. Waste is loaded into 45-gallon RH-TRU inner waste cans. Containers are filled with crushed graphite crucible material, and are shipped for storage in the Radioactive Scrap and Waste Facility (RSWF). Before crushing, crucibles are cleaned to their clean tare weight. Based on samples taken on crushed crucible material, there are only a few tenths of grams of fissile material (U-235 or Pu-239) present per crucible disposed.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W049

Appendix A

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	FMF glovebox waste					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	6.7	6.7
Current Form Total	0.0	6.7	6.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	6.7	6.7
Final Form Total	0.0	6.7	6.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	260.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	15.00
Cellulosics	150.00
Rubber	0.00
Plastics	150.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	4.30E-02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Fuel Manufacturing Facility experiment glovebox waste.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BT-T001

Appendix A

TRU Waste Inventory Profile Report

Site	Bettis Atomic Power Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5420
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Irradiated TRU material waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
HIP	0.0	0.0	0.0
Hot Cell	1.9	0.0	1.9
Current Form Total	2.0	0.0	2.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	2.7	0.0	2.7
Final Form Total	2.7	0.0	2.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	200.00
Other Inorganic Materials	0.00
Cellulosics	10.00
Rubber	0.00
Plastics	500.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.17E+00
Am-243	7.30E-03
Cm-244	1.60E-01
Cs-137	3.44E+03
Np-237	1.01E-02
Pu-238	8.10E+01
Pu-239	1.41E-01
Pu-240	1.58E-01
Pu-241	1.05E+01
Pu-242	1.12E-03
Sr-90	3.40E+03
Th-229	8.73E-03
Th-230	3.60E-04
Th-232	8.49E-04
U-233	3.08E+00
U-234	4.31E-01
U-235	2.49E-03
U-236	2.83E-02
U-238	1.73E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Specimen processing fines, material, and debris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BT-T002

Appendix A

TRU Waste Inventory Profile Report

Site	Bettis Atomic Power Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5111
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Contaminated Piping System			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Piping	18.9	0.0	18.9
Current Form Total	18.9	0.0	18.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/o Liner	18.9	0.0	18.9
Final Form Total	18.9	0.0	18.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	430.00
Aluminum-based Metals/Alloys	35.00
Other Metals	1.00
Other Inorganic Materials	1.00
Cellulosics	0.50
Rubber	7.00
Plastics	35.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	1.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.00E-04
Am-243	2.13E-06
Cm-244	1.17E-04
Cs-137	1.05E+00
Np-237	3.03E-06
Pu-238	4.84E-02
Pu-239	3.90E-05
Pu-240	7.97E-05
Pu-241	7.03E-03
Pu-242	6.20E-07
Pu-244	3.56E-14
Sr-90	1.05E+00
Th-229	9.65E-15
Th-230	3.86E-09
Th-232	6.19E-15
U-233	5.14E-11
U-234	1.08E-04
U-235	1.40E-06
U-236	1.60E-05
U-238	6.46E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Piping, pumps, tanks, and other metal items, and debris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BT-T007

Appendix A

TRU Waste Inventory Profile Report

Site	Bettis Atomic Power Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	RH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Irradiated TRU material waste and debris.					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Hot Cell	0.1	0.0	0.1
Current Form Total	0.1	0.0	0.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	501.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.17E+00
Am-243	7.30E-03
Cm-244	1.60E-01
Cs-137	3.44E+03
Np-237	1.01E-02
Pu-238	8.10E+01
Pu-239	1.41E-01
Pu-240	1.58E-01
Pu-241	1.05E+01
Pu-242	1.12E-03
Sr-90	3.40E+03
Th-229	8.73E-03
Th-230	3.60E-04
Th-232	8.49E-04
U-233	3.08E+00
U-234	4.31E-01
U-235	2.49E-03
U-236	2.83E-02
U-238	1.73E-05

Haz. Waste No(s).

D008

TRUCON Code(s)

317

Waste Stream Description

Hazardous Metal debris (Lead)

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BN004-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN004	211.7
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BN004	71.9
Shipped Total		283.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.03
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	1.95
Cellulosics	0.01
Rubber	0.01
Plastics	2.07
Cements	0.00
Inorganic Matrix	475.71
Organic Matrix	1.69
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.74E-01
Cm-244	5.91E-03
Cs-137	8.68E-06
Np-237	5.93E-04
Pu-238	1.54E-01
Pu-239	3.76E+00
Pu-240	8.49E-01
Pu-241	7.23E+00
Pu-242	7.23E-05
Sr-90	1.47E-05
Th-229	1.61E-07
Th-230	6.43E-10
Th-232	2.49E-18
U-233	8.57E-04
U-234	3.62E-05
U-235	8.20E-06
U-236	5.04E-08
U-238	5.35E-06

Haz. Waste No(s).

D006, D007, D008, D011, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

A - IN - 1

Waste Stream ID: BN161-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-BN161	0.6
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN161	3.8
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BN161	57.5
Shipped Total		61.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.39
Aluminum-based Metals/Alloys	0.00
Other Metals	0.07
Other Inorganic Materials	127.78
Cellulosics	10.20
Rubber	0.00
Plastics	2.06
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.78E-01
Np-237	9.55E-06
Pu-238	1.59E-01
Pu-239	3.78E+00
Pu-240	8.63E-01
Pu-241	6.24E+00
Pu-242	6.96E-05
Th-229	1.92E-15
Th-230	4.95E-12
Th-232	6.32E-19
U-233	4.11E-11
U-234	7.77E-07
U-235	4.79E-08
U-236	2.56E-08
U-238	1.05E-14

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

A - IN - 2

Waste Stream ID: BN211-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-BN211	7.3
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN211	54.8
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BN211	483.8
Shipped Total		545.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.28
Aluminum-based Metals/Alloys	1.67
Other Metals	0.39
Other Inorganic Materials	73.61
Cellulosics	24.37
Rubber	0.02
Plastics	3.81
Cements	0.00
Inorganic Matrix	0.27
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.71E-01
Am-243	5.09E-10
Cs-137	2.55E-09
Np-237	4.63E-05
Pu-238	1.62E-01
Pu-239	3.77E+00
Pu-240	8.72E-01
Pu-241	6.07E+00
Pu-242	7.28E-05
Sr-90	4.33E-09
Th-229	5.23E-09
Th-230	4.92E-11
Th-232	6.39E-19
U-233	5.57E-05
U-234	5.70E-06
U-235	1.15E-06
U-236	2.59E-08
U-238	8.43E-09

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

119/219

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: BN243-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-BN243	1.5
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN243	7.6
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BN243	143.7
Shipped Total		152.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.99
Aluminum-based Metals/Alloys	0.00
Other Metals	4.00
Other Inorganic Materials	87.65
Cellulosics	0.08
Rubber	0.14
Plastics	13.57
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.49E-01
Cm-244	8.56E-03
Cs-137	9.28E-10
Np-237	1.64E-05
Pu-238	3.49E-02
Pu-239	7.20E-01
Pu-240	1.61E-01
Pu-241	1.23E+00
Pu-242	1.62E-05
Sr-90	1.57E-09
Th-229	3.34E-15
Th-230	5.38E-11
Th-232	1.18E-19
U-233	7.13E-11
U-234	6.03E-06
U-235	1.58E-06
U-236	4.78E-09
U-238	2.45E-15

Haz. Waste No(s).

D005, D008, D009, D022, D028, D029, F001, F002, F005

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BN252-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5311	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**		12/31/2006	
Stream Name	N/A			**Activity Concentrations Decayed to CY**		2006	

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-BN252	11.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN252	51.0
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BN252	105.4
Shipped Total		168.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.00
Other Metals	32.82
Other Inorganic Materials	2.17
Cellulosics	0.12
Rubber	219.88
Plastics	1.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.02E-01
Cs-137	2.65E-09
Np-237	3.63E-04
Pu-238	2.13E-01
Pu-239	5.90E+00
Pu-240	1.27E+00
Pu-241	1.23E+01
Pu-242	1.35E-04
Sr-90	4.22E-09
Th-229	7.42E-14
Th-230	2.24E-11
Th-232	9.28E-19
U-233	1.58E-09
U-234	2.79E-06
U-235	1.13E-06
U-236	3.76E-08
U-238	2.04E-14

Haz. Waste No(s).

D008, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

121/221, 123/223

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BN296-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Lead/Cadmium Metal Wast	**Waste Matrix Code**	S5112	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-BN296	26.8
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN296	24.6
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BN296	440.7
Shipped Total		492.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	72.69
Aluminum-based Metals/Alloys	0.36
Other Metals	97.03
Other Inorganic Materials	2.87
Cellulosics	2.69
Rubber	0.57
Plastics	1.46
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.36E+00
Cm-244	2.52E-03
Cs-137	1.88E-08
Np-237	7.93E-05
Pu-238	1.68E-01
Pu-239	3.49E+00
Pu-240	7.76E-01
Pu-241	5.52E+00
Pu-242	7.90E-05
Sr-90	3.38E-08
Th-229	1.08E-09
Th-230	1.95E-11
Th-232	5.68E-19
U-233	1.15E-05
U-234	2.41E-06
U-235	2.03E-03
U-236	2.30E-08
U-238	1.32E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: BN304-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-BN304	4.4
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN304	20.8
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BN304	297.0
Shipped Total		322.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.85
Aluminum-based Metals/Alloys	0.03
Other Metals	23.46
Other Inorganic Materials	4.49
Cellulosics	4.79
Rubber	7.80
Plastics	6.19
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.00
Soils/gravel	0.09
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.66E-01
Cs-137	1.31E-06
Np-237	7.43E-06
Pu-238	4.81E+01
Pu-239	9.45E-02
Pu-240	7.12E-02
Pu-241	8.12E-01
Pu-242	6.02E-05
Sr-90	2.67E-06
Th-229	1.51E-15
Th-230	6.75E-10
Th-232	5.22E-20
U-233	3.23E-11
U-234	1.43E-04
U-235	1.34E-07
U-236	2.11E-09
U-238	7.40E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D029, F001, F002, F005, F007, F009

TRUCON Code(s)

119/219, 122/222, 123/223, 125/225, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: BN510-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
100-gal Drum Dir Ld w/o Liner	WP-BN510	2311.9
Shipped Total		2311.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	310.37
Aluminum-based Metals/Alloys	2.69
Other Metals	3.65
Other Inorganic Materials	13.34
Cellulosics	155.69
Rubber	4.21
Plastics	179.84
Cements	0.00
Inorganic Matrix	0.03
Organic Matrix	0.01
Soils/gravel	0.02
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.87E-01
Cs-137	1.46E-07
Np-237	1.94E-05
Pu-238	8.37E-02
Pu-239	1.20E+00
Pu-240	2.58E-01
Pu-241	2.23E+00
Pu-242	2.19E-05
Sr-90	2.41E-07
U-233	5.24E-06
U-234	4.41E-04
U-235	4.35E-04
U-238	9.67E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BN835-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN835	5.7
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BN835	953.2
Shipped Total		958.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.75
Cellulosics	0.92
Rubber	0.01
Plastics	0.56
Cements	0.00
Inorganic Matrix	216.48
Organic Matrix	0.09
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.44E-02
Cs-137	8.43E-08
Np-237	5.03E-06
Pu-238	1.49E+00
Pu-239	3.03E-03
Pu-240	1.92E-03
Pu-241	3.52E-02
Pu-242	1.89E-06
Sr-90	1.47E-07
Th-229	1.03E-15
Th-230	1.93E-11
Th-232	1.41E-21
U-233	2.19E-11
U-234	4.26E-06
U-235	1.42E-10
U-236	5.70E-11
U-238	2.23E-07

Haz. Waste No(s).

D007, D008, D009, F001, F002

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BN836-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BN836	1088.6
Shipped Total		1088.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	0.08
Cellulosics	0.07
Rubber	0.00
Plastics	0.27
Cements	0.00
Inorganic Matrix	531.63
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.40E-03
Cs-137	2.60E-07
Np-237	1.70E-06
Pu-238	1.45E+00
Pu-239	2.18E-03
Pu-240	1.49E-03
Pu-241	5.04E-03
Pu-242	1.71E-06
Sr-90	4.29E-07
U-234	1.95E-07
U-235	2.59E-08
U-238	1.23E-08

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BNINW216-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-BNINW216	58.7
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BNINW216	506.5
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BNINW216	3056.0
Shipped Total		3621.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.00
Other Metals	0.06
Other Inorganic Materials	5.50
Cellulosics	0.01
Rubber	0.01
Plastics	0.55
Cements	0.00
Inorganic Matrix	361.64
Organic Matrix	0.34
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.66E+00
Cs-137	1.28E-08
Np-237	7.47E-05
Pu-238	3.30E-02
Pu-239	3.36E-01
Pu-240	8.38E-02
Pu-241	1.03E+00
Pu-242	4.47E-05
Sr-90	2.06E-08
Th-229	1.50E-14
Th-230	3.46E-10
Th-232	6.14E-20
U-233	3.21E-10
U-234	3.85E-05
U-235	6.75E-06
U-236	2.48E-09
U-238	4.59E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

111/211, 132/232

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BNINW218-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-BNINW218	39.7
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-BNINW218	435.9
Shipped Total		475.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.03
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	31.78
Cellulosics	0.01
Rubber	0.01
Plastics	2.72
Cements	0.00
Inorganic Matrix	328.39
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.93E-02
Cs-137	2.19E-08
Np-237	5.49E-04
Pu-238	4.83E-03
Pu-239	9.44E-02
Pu-240	1.94E-02
Pu-241	1.96E-01
Pu-242	2.84E-06
Sr-90	3.58E-08
Th-229	4.49E-13
Th-230	6.33E-10
Th-232	5.69E-20
U-233	4.79E-09
U-234	3.52E-05
U-235	3.76E-06
U-236	1.15E-09
U-238	2.98E-04

Haz. Waste No(s).

D006, D007, D008, D009, D010, D011, D032, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **ID-RF-BNL-ASH-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3111
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	WP-ID-RF-BNL-ASH	0.2
Shipped Total		0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.62
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	37.02
Cellulosics	0.00
Rubber	0.00
Plastics	7.69
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.88E-01
Np-237	8.83E-06
Pu-238	1.19E-01
Pu-239	3.52E+00
Pu-240	8.09E-01
Pu-241	5.26E+00
Pu-242	6.47E-05
Th-229	1.77E-15
Th-230	1.52E-12
Th-232	5.92E-19
U-233	3.80E-11
U-234	3.38E-07
U-235	3.47E-09
U-236	2.40E-08
U-238	9.76E-15

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: **ID-RF-S3114-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3114	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-ID-RF-S3114	18.9
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-ID-RF-S3114	76.6
Shipped Total		95.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.08
Aluminum-based Metals/Alloys	0.00
Other Metals	3.36
Other Inorganic Materials	3.54
Cellulosics	0.02
Rubber	1.63
Plastics	1.26
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	331.92
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.87E-02
Cs-137	1.52E-08
Np-237	1.30E-06
Pu-238	4.85E-03
Pu-239	1.42E-01
Pu-240	3.03E-02
Pu-241	2.90E-01
Pu-242	2.70E-06
Sr-90	2.54E-08
U-234	4.20E-06
U-235	1.15E-07
U-238	9.18E-07

Haz. Waste No(s).

D022, D026, D027, D028, D029, D030, D032, D034, D036, D037, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **ID-RF-S3150-A-S**

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TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-ID-RF-S3150-A	68.4
SWB w/ 4 - 55-gal Drums w/ Liners	WP-ID-RF-S3150-A	83.2
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-ID-RF-S3150-A	14.4
Shipped Total		166.0

Waste Material Parameters

Material Parameter	**Average Density (kg/m^3)**
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	25.73
Other Inorganic Materials	4.25
Cellulosics	0.00
Rubber	2.35
Plastics	3.15
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	636.61
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	**Typical Concentration (Ci/m^3)**
Am-241	1.58E-01
Cs-137	9.08E-08
Np-237	8.78E-06
Pu-238	3.59E-02
Pu-239	7.78E-01
Pu-240	1.72E-01
Pu-241	1.71E+00
Pu-242	1.45E-05
Sr-90	1.56E-07
Th-229	1.79E-15
Th-230	3.05E-08
Th-232	1.26E-19
U-233	3.81E-11
U-234	3.39E-03
U-235	5.19E-07
U-236	5.11E-09
U-238	1.11E-06

Haz. Waste No(s).

D022, D028, D029, D030, D032, D034, D036, D043, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: ID-RF-S5100-A-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5100	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-ID-RF-S5100-A	122.5
SWB w/ 4 - 55-gal Drums w/ Liners	WP-ID-RF-S5100-A	5.7
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-ID-RF-S5100-A	397.6
Shipped Total		525.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	113.17
Cellulosics	14.07
Rubber	0.01
Plastics	8.26
Cements	0.00
Inorganic Matrix	1.16
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.09E-01
Cs-137	1.70E-08
Np-237	1.07E-06
Pu-238	1.61E-02
Pu-239	4.70E-01
Pu-240	1.08E-01
Pu-241	7.16E-01
Pu-242	9.01E-06
Sr-90	2.87E-08
Th-229	1.84E-10
Th-230	1.55E-11
Th-232	7.88E-20
U-233	1.96E-06
U-234	1.75E-06
U-235	4.44E-08
U-236	3.19E-09
U-238	8.56E-09

Haz. Waste No(s).

D008, D009, D022, F001, F002, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: ID-RF-S5126-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-ID-RF-S5126	47.0
55-gal Drum Dir Ld w/o Liner	WP-ID-RF-S5126	0.4
SWB w/ 4 - 55-gal Drums w/ Liners	WP-ID-RF-S5126	5.7
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-ID-RF-S5126	95.8
Shipped Total		148.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.57
Aluminum-based Metals/Alloys	0.00
Other Metals	0.03
Other Inorganic Materials	220.35
Cellulosics	6.52
Rubber	0.04
Plastics	4.64
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.32E-01
Cs-137	6.56E-03
Np-237	1.30E-05
Pu-238	1.29E-01
Pu-239	3.49E+00
Pu-240	8.12E-01
Pu-241	6.68E+00
Pu-242	6.65E-05
Sr-90	9.10E-08
Th-229	1.35E-07
Th-230	1.01E-09
Th-232	5.95E-19
U-233	1.44E-03
U-234	1.12E-04
U-235	8.55E-08
U-236	2.41E-08
U-238	1.00E-14

Haz. Waste No(s).

D008, D029, F001, F002, F005

TRUCON Code(s)

115/215

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **ID-RF-S5300-A-S**

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TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-ID-RF-S5300-A	43.5
SWB w/ 4 - 55-gal Drums w/o Liners	WP-ID-RF-S5300-A	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-ID-RF-S5300-A	1379.5
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-ID-RF-S5300-A	4.8
Shipped Total		1429.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.81
Aluminum-based Metals/Alloys	0.20
Other Metals	0.37
Other Inorganic Materials	6.63
Cellulosics	49.18
Rubber	4.06
Plastics	52.32
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.14E-02
Am-243	1.20E-11
Cm-244	3.71E-04
Cs-137	9.10E-09
Np-237	2.37E-06
Pu-238	3.67E-03
Pu-239	1.10E-01
Pu-240	2.48E-02
Pu-241	1.23E+00
Pu-242	2.52E-06
Sr-90	1.28E-08
U-233	2.00E-04
U-234	1.42E-05
U-235	3.75E-07
U-238	5.81E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-AE-AGHC-01

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	RH-TRU Debris Waste From ANL-E Stored at the INL			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	69.7	0.0	69.7
Current Form Total	69.7	0.0	69.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	183.3	0.0	183.3
Final Form Total	183.3	0.0	183.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	100.00
Aluminum-based Metals/Alloys	10.27
Other Metals	15.32
Other Inorganic Materials	10.26
Cellulosics	13.83
Rubber	3.46
Plastics	29.50
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.46
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.74E-01
Cs-137	8.43E+00
Pu-238	2.13E-01
Pu-239	7.76E-01
Pu-240	4.08E-01
Pu-241	6.10E+00
Pu-242	1.28E-04
Sr-90	6.24E+00
U-233	1.38E-03
U-234	2.51E-03
U-235	8.87E-05
U-238	1.49E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D028, D029, F002, F005

TRUCON Code(s)

322, 325

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-AW-161

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Analytical Chemistry Lab Glassware			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
Current Form Total	0.8	0.0	0.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	1.8	0.0	1.8
Final Form Total	1.8	0.0	1.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1584.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	515.00
Cellulosics	240.00
Rubber	0.00
Plastics	191.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	5.55E-01
Pu-239	2.77E+00
Pu-240	5.90E-02
Sr-90	4.05E-01
Th-232	1.40E-17
U-235	1.67E-06
U-236	3.15E-08

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of glassware, paper, poly, and miscellaneous hardware generated during analytical chemistry laboratory operations.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN004

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Special Setups Waste					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	437.2	0.0	437.2
Current Form Total	437.2	0.0	437.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	437.2	0.0	437.2
Final Form Total	437.2	0.0	437.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	5.00
Cellulosics	0.00
Rubber	0.00
Plastics	1.00
Cements	0.00
Inorganic Matrix	1300.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.25E-01
Np-237	1.36E-06
Pu-238	1.00E-02
Pu-239	3.87E-01
Pu-240	8.74E-02
Pu-241	3.44E-01
Pu-242	6.33E-06
Th-229	1.26E-13
Th-230	2.53E-10
Th-232	1.03E-16
U-233	1.07E-10
U-234	1.34E-06
U-235	1.53E-08
U-236	1.04E-07
U-238	3.83E-14

Haz. Waste No(s).

D006, D007, D008, D011, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

Consists of waste >50% by volume inorganic solidified waste. Specifically, small quantities of liquids solidified in large quantities of cement. Small quantities of absorbent (Oil-Dri® or vermiculite) were also added.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN161

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Firebrick Debris Waste					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	439.3	0.0	439.3
Current Form Total	439.3	0.0	439.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	439.3	0.0	439.3
Final Form Total	439.3	0.0	439.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	540.00
Cellulosics	28.00
Rubber	0.00
Plastics	7.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.91E-01
Np-237	1.67E-05
Pu-238	1.30E-01
Pu-239	3.78E+00
Pu-240	8.61E-01
Pu-241	1.78E+00
Pu-242	6.96E-05
Th-229	1.73E-12
Th-230	1.47E-09
Th-232	4.61E-16
U-233	1.51E-09
U-234	1.14E-05
U-235	1.45E-07
U-236	6.90E-07
U-238	2.84E-13

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005

TRUCON Code(s)

122/222, 125/225, 130/230

Waste Stream Description

Waste that is estimated to contain a minimum of 50% by volume ceramic or brick debris (e.g., firebrick, ceramic refractories). Iron-based Metals/Alloys - Metal waste items of iron, galvanized metal, carbon steel Other Inorganic Materials - Firebrick, cinder blocks, vermiculite, oil-dri Cellulosics - Fibre-paks, cardboard liners, wipes, tape, rags, paper Plastics (waste material) - inner polyethylene bags, poly bottles

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN211

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Filter Debris Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	424.7	0.0	424.7
Current Form Total	424.7	0.0	424.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	424.7	0.0	424.7
Final Form Total	424.7	0.0	424.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.00
Aluminum-based Metals/Alloys	4.00
Other Metals	1.00
Other Inorganic Materials	210.00
Cellulosics	59.00
Rubber	0.00
Plastics	7.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.76E-01
Am-243	5.08E-10
Cs-137	1.40E-09
Np-237	5.42E-05
Pu-238	1.32E-01
Pu-239	3.77E+00
Pu-240	8.70E-01
Pu-241	1.74E+00
Pu-242	7.28E-05
Sr-90	2.33E-09
Th-229	1.41E-07
Th-230	2.69E-09
Th-232	4.65E-16
U-233	5.57E-05
U-234	1.65E-05
U-235	1.25E-06
U-236	6.97E-07
U-238	8.43E-09

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

119/219

Waste Stream Description

Consists of debris that is estimated to be 50% by volume, or more, high-efficiency particulate air filters (HEPA) or other filters constructed of more than one material type (e.g., metal, inorganic non-metal, and organic materials). Iron-based Metals/Alloys - Miscellaneous metal debris, filter frames Aluminum-based Metals/Alloys - aluminum foil, Filter media, filter frames Other Metal -lead tape Other Inorganic Materials -Filter media, Portland cement, Oil-Dri®, vermiculite, Cellulosics - Filter media, wooden filter frames, cardboard cartons, fiberboard liners and discs Plastics (waste material) - small poly bags, poly bottles, filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN-243

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Glass Debris Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	347.4	0.0	347.4
Current Form Total	347.4	0.0	347.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	347.4	0.0	347.4
Final Form Total	347.4	0.0	347.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2.00
Aluminum-based Metals/Alloys	0.00
Other Metals	20.00
Other Inorganic Materials	290.00
Cellulosics	1.00
Rubber	0.00
Plastics	32.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.12E-01
Np-237	1.18E-06
Pu-238	1.52E-02
Pu-239	5.77E-01
Pu-240	1.28E-01
Pu-241	3.46E-01
Pu-242	2.31E-05
Th-229	1.06E-13
Th-230	3.83E-10
Th-232	1.50E-16
U-233	9.19E-11
U-234	2.02E-06
U-235	4.31E-07
U-236	1.52E-07
U-238	2.82E-08

Haz. Waste No(s).

D005, D008, D009, D022, D028, D029, F001, F002, F005

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

Waste that is estimated to contain a minimum of 50% by volume glass debris (e.g., leaded glass windows, bottles, light bulbs) -- WMP Comments -- Iron-based Metals/Alloys - cans, tools, misc. metal items; Other Metal-Leaded glas, lead tape, lead shielding; Other Inorganic Materials - glass, vermiculite, oil-dri; Cellulosics - fibre-paks, cardboard liners; Plastics (waste material) - polyethylene bags.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN252

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5311
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Leaded Rubber Debris Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	146.8	0.0	146.8
Current Form Total	146.8	0.0	146.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	146.8	0.0	146.8
Final Form Total	146.8	0.0	146.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	89.00
Other Inorganic Materials	7.00
Cellulosics	0.00
Rubber	690.00
Plastics	3.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.15E+00
Cs-137	1.49E-09
Np-237	3.72E-04
Pu-238	1.75E-01
Pu-239	5.90E+00
Pu-240	1.26E+00
Pu-241	3.69E+00
Pu-242	1.35E-04
Sr-90	2.33E-09
Th-229	5.03E-11
Th-230	2.24E-09
Th-232	6.27E-16
U-233	4.14E-08
U-234	1.65E-05
U-235	1.28E-06
U-236	9.75E-07
U-238	5.31E-13

Haz. Waste No(s).

D008, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

121/221, 123/223

Waste Stream Description

Waste that is estimated to contain 50% or more by volume leaded rubber debris. Examples of this waste that might be included are leaded gloves and aprons. Other Metal- Leaded gloves and aprons, lead liner; Other Inorganic Materials - vermiculite, oil-dri; Cellulosics - Fiberboard liners, cloth rags, paper; Plastics (waste material) - poly bags, Rubber - Neoprene and Hypalon gloves, rubber sheets and window gaskets.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN296

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5122
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Non-Special Source Metal			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	925.4	0.0	925.4
Current Form Total	925.4	0.0	925.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	925.4	0.0	925.4
Final Form Total	925.4	0.0	925.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	236.23
Aluminum-based Metals/Alloys	1.50
Other Metals	323.15
Other Inorganic Materials	10.48
Cellulosics	7.30
Rubber	2.60
Plastics	5.48
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.44E+00
Cm-244	9.68E-04
Cs-137	1.05E-08
Np-237	9.08E-05
Pu-238	1.38E-01
Pu-239	3.49E+00
Pu-240	7.74E-01
Pu-241	1.66E+00
Pu-242	7.90E-05
Sr-90	1.86E-08
Th-229	2.79E-08
Th-230	1.82E-09
Th-232	3.84E-16
U-233	1.15E-05
U-234	1.32E-05
U-235	2.03E-03
U-236	5.98E-07
U-238	1.32E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

Waste that is estimated to contain a minimum 50% by volume metal debris and the waste stream contains bulk, separable, or bonded lead as part of the matrix. Iron-based Metals/Alloys - Metal waste items of iron, stainless, galvanized metal, carbon steel Aluminum-based Metals/Alloy - Aluminum waste items Other Metal - Copper, brass, bronze, lead, tantalum, platinum Other Inorganic Materials - glassware, raschig rings, vermiculite, oil-dri Cellulosics - Fibre-Paks, Cardboard liners, wipes, tape Plastics (waste material) - poly bags, poly bottles Rubber - Rubber gloves and aprons

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN304

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Mound Debris Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	222.6	0.0	222.6
Current Form Total	222.6	0.0	222.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	222.6	0.0	222.6
Final Form Total	222.6	0.0	222.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	77.00
Aluminum-based Metals/Alloys	0.00
Other Metals	95.00
Other Inorganic Materials	40.00
Cellulosics	15.00
Rubber	23.00
Plastics	23.00
Cements	1.31
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.78E-01
Cs-137	7.37E-07
Np-237	8.83E-06
Pu-238	3.95E+01
Pu-239	9.44E-02
Pu-240	7.10E-02
Pu-241	2.44E-01
Pu-242	6.02E-05
Sr-90	1.47E-06
Th-229	1.08E-12
Th-230	3.92E-07
Th-232	3.52E-17
U-233	9.14E-10
U-234	3.24E-03
U-235	1.36E-07
U-236	5.48E-08
U-238	7.40E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D029, F001, F002, F005, F007, F009

TRUCON Code(s)

122/222, 125/225, 130/230

Waste Stream Description

Waste that is estimated to contain at least 50% by volume debris materials. WMPs - Iron-based Metals/Alloys - stainless steel and carbon steel valves, piping, tools, tubing, hot plates, small tanks, motors, pumps, presses, grinders, and sheet metal Other Metal - Lead bricks Other Inorganic Materials - laboratory glassware, cement, plaster, brick, floor tile, graphite crucibles, Florco, and concrete Cellulosics - Fibre-Paks, Cloth rags, Kimwipes, towels, cartons, coveralls, booties, limited amounts of wood, and cardboard tubes. Rubber - Neoprene and Hypalon gloves and o-rings. Plastics (waste material) - PVC, polyethylene, tygon tubing, bottles, sample vials, gaskets, manipulator boots, small quantities of spent ion-exchange resin, small plastic tanks, Plexiglas shielding and windows.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN-510

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	SUPERCOMPACTED DEBRIS WASTE			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	12016.2	0.0	12016.2
Bin - Misc	1802.5	0.0	1802.5
Box - Misc	32644.7	0.0	32644.7
Current Form Total	46463.3	0.0	46463.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
100-gal Drum Dir Ld w/o Liner	11650.5	0.0	11650.5
Final Form Total	11650.5	0.0	11650.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1000.00
Aluminum-based Metals/Alloys	9.00
Other Metals	13.00
Other Inorganic Materials	45.00
Cellulosics	520.00
Rubber	15.00
Plastics	610.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	113.70
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.03E-01
Am-243	3.05E-07
Np-237	1.12E-05
Pu-238	2.70E+00
Pu-239	1.48E+00
Pu-240	3.62E-01
Pu-241	4.06E+00
Pu-242	2.89E-05
Th-229	5.87E-05
Th-230	8.40E-09
Th-232	1.23E-04
U-233	4.18E-02
U-234	1.22E-04
U-235	4.22E-05
U-236	1.61E-07
U-238	1.08E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

121/221

Waste Stream Description

Super-compacted waste: Iron-based Metals/Alloys - Metal hinges, pieces of angle iron, miscellaneous metal debris; electrical conduit, piping, flanges, valves, tools, equipment, drums Aluminum-based Metals/Alloy - miscellaneous aluminum debris; aluminum silicate-based ceramic crucibles Other Metal - Lead shielding, structure metal, misc. lead containing items (lead tape, leaded rubber gloves and aprons, lead bricks), stainless steel cans, tools, electronic instrumentation, office equipment batteries, thermometers, gauges, solder beryllium scrap Other Inorganic Materials - glass, raschig rings, absorbent materials (vermiculite, oil-dri, Florco) filter media, asbestos gloves; HEPA filters, drybox filters, insulation, cement, concrete, cinderblock, firebrick, graphite, crucibles Cellulosics - Benelex coated fire-retardant paint, paper, wood, wipes, towels, rags, filter paper, shoe covers, coveralls, booties, Fibre-Paks, cardboard liners, tape Rubber - Surgical gloves, rubber gaskets, leaded gloves and aprons, rubber and latex gloves, air hoses, glovebox gloves Plastics (waste material) - Plexiglas glovebox windows, polypropylene, polyethylene bags, polyvinyl chloride, Teflon, Hypalon, Tygon, bags, sheeting, polyethylene bottles, plastic suits, Ful-Flo incinerator filters, fibrous polypropylene filters, 90-mil liners

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN835

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Solidified Acid/Caustic Waste			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	536.0	0.0	536.0
Current Form Total	536.0	0.0	536.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/o Liners	1219.1	0.0	1219.1
Final Form Total	1219.1	0.0	1219.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	19.00
Rubber	0.00
Plastics	1.00
Cements	0.00
Inorganic Matrix	710.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.66E-05
Np-237	1.38E-10
Pu-238	5.32E+00
Pu-239	3.06E-03
Pu-240	3.12E-03
Pu-241	9.32E-05
Pu-242	5.20E-09
Th-229	8.81E-18
Th-230	1.28E-07
Th-232	3.49E-18
U-233	8.90E-15
U-234	6.93E-04
U-235	1.18E-10
U-236	3.62E-09
U-238	3.06E-17

Haz. Waste No(s).

D007, D008, D009, F001, F002

TRUCON Code(s)

111/211

Waste Stream Description

Consists of waste that is primarily inorganic particulate absorbent materials >50% by volume sludge, including absorbed aqueous liquids, if present. Typical examples of inorganic particulate materials are clay (Florco), vermiculite, and diatomaceous earth. - WMP - Cellulosics- plywood spacers, Plastics (waste material) -bottles Inorganic Matrix -Absorbed liquid waste

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BN836

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented Sludge					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	899.2	0.0	899.2
Current Form Total	899.2	0.0	899.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	2043.1	0.0	2043.1
Final Form Total	2043.1	0.0	2043.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1400.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.86E-05
Np-237	5.72E-10
Pu-238	2.26E+00
Pu-239	5.33E-05
Pu-240	2.76E-05
Pu-241	3.86E-04
Pu-242	2.42E-08
Th-229	3.65E-17
Th-230	5.41E-08
Th-232	3.09E-20
U-233	3.69E-14
U-234	2.93E-04
U-235	2.05E-12
U-236	3.20E-11
U-238	1.42E-16

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

111/211

Waste Stream Description

Consists of >50% by volume sludge from a wastewater treatment process that was solidified with cement. Waste Material Parameters - Other Inorganic Materials - Portland cements, Florco; Inorganic Matrix - Cemented sludge

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BNINW216

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	First/Second Stage Sludge			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4431.2	0.0	4431.2
Current Form Total	4431.2	0.0	4431.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4431.2	0.0	4431.2
Final Form Total	4431.2	0.0	4431.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	14.00
Cellulosics	0.00
Rubber	0.00
Plastics	1.00
Cements	1100.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.21E+00
Np-237	5.62E-05
Pu-238	5.07E-03
Pu-239	1.98E-01
Pu-240	4.49E-02
Pu-241	1.75E-01
Pu-242	3.23E-06
Th-229	6.17E-12
Th-230	1.28E-10
Th-232	5.26E-17
U-233	4.92E-09
U-234	6.78E-07
U-235	7.80E-09
U-236	5.33E-08
U-238	1.95E-14

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

IDC ID-RF-001, IDC ID-RF-002 - Consists of >50% by volume secondary sludge or filter cake from wastewater treatment processes or heavy metal sludges from recovery processes. IDC ID-RF-800 - Consists of >50% by volume solidified forms. S3121, Waste Water Treatment Sludge (IDC ID-RF-001, IDC ID-RF-002) S3150, Solidified Homogeneous Solids (IDC ID-RF-800) Two waste matrix codes have been assigned to this waste stream because the immobilization process for this waste stream was changed in 1986. Prior to 1986 the first/second stage sludge was placed into a drum with Portland cement. The excess liquid was immobilized but a solid monolith was not formed. Subsequent to 1986 the sludge was co-fed into a drum with a diatomite and Portland cement mixture, which formed a solid monolith after curing.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-BNINW218

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Building 374 Sludge			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	416.0	0.0	416.0
Current Form Total	416.0	0.0	416.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	945.0	0.0	945.0
Final Form Total	945.0	0.0	945.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	69.00
Cellulosics	0.00
Rubber	0.00
Plastics	7.00
Cements	1100.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.76E-01
Np-237	1.97E-06
Pu-238	9.83E-04
Pu-239	3.63E-02
Pu-240	8.21E-03
Pu-241	4.26E-02
Pu-242	5.92E-07
Th-229	1.55E-13
Th-230	1.74E-11
Th-232	6.96E-18
U-233	1.46E-10
U-234	1.09E-07
U-235	1.22E-09
U-236	8.29E-09
U-238	3.04E-15

Haz. Waste No(s).

D006, D007, D008, D009, D010, D011, D032, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

WMC S3121 (IDC RF-007, IDC RF-807) - Consists of >50% by volume secondary sludge or filter cake from wastewater treatment processes or heavy metal sludges from recovery processes. WMC S3150 (IDC RF-803) - Consists of >50% by volume solidified forms. Two waste matrix codes have been assigned to this waste stream because the cementation immobilization process for this waste stream was changed in the 1986-1987 timeframe. The immobilization process at other times involved mixing the sludge with Portland cement or a Portland cement and diatomite mixture. The feed streams to the process did not change over time. Iron Based Metal - Lead-containing items, Other Inorganics Materials - Portland cement, diatomite, oil-dri, or vermiculite, Plastic waste - misc. plastic debris, inorganic matrix - solidified Inorganics

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-GEM-01

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4000
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Glovebox Excavator Method Project Soils and Sludge			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.3	0.0	7.3
Current Form Total	7.3	0.0	7.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.3	0.0	7.3
Final Form Total	7.3	0.0	7.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.50
Other Inorganic Materials	59.40
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	116.58
Inorganic Matrix	97.88
Organic Matrix	224.00
Soils/gravel	947.70
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.49E-01
Np-237	4.37E-07
Pu-238	4.77E-03
Pu-239	2.18E-01
Pu-240	5.00E-02
Pu-241	2.34E-01
Pu-242	2.57E-06
Th-229	2.68E-16
Th-230	5.56E-13
Th-232	3.29E-19
U-233	2.86E-12
U-234	4.10E-08
U-235	6.45E-10
U-236	4.45E-09
U-238	1.16E-15

Haz. Waste No(s).

D018, D019, D028, D039, D040, D043, F001, F002, F005, F006, F007, F009

No TRUCON Codes Provided

Waste Stream Description

Waste consists of soils (approximately 60%) and associated sludge type wastes to be generated through environmental restoration activities at the Idaho National Engineering Laboratory's Subsurface Disposal Area (Pit 9). The sludge waste originated at the Rocky Flats Plant from various treatment processes in building 774. Sludge wastes included in the waste stream correspond to the following ID numbers: IN-W216, First Stage Sludge; IN-W228, Second Stage Sludge; IN-W309, Organic Setups Oil Solids; IN-W157, Special Setups (Cement); IN-W315, Evaporator Salts; IN-W276, Graphite. Graphite waste generated at the Rocky Flats Plant for casting plutonium metal is also included in the overall waste stream. The originally disposed sludges, graphite and surrounding soils are packaged in a single waste stream through environmental restoration retrieval and repackaging activities.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-GEM-02

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Glovebox Excavator Method Project Heterogeneous Debris.			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.4	0.0	5.4
Current Form Total	5.4	0.0	5.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.4	0.0	5.4
Final Form Total	5.4	0.0	5.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	17.30
Aluminum-based Metals/Alloys	1.13
Other Metals	58.00
Other Inorganic Materials	13.56
Cellulosics	41.00
Rubber	17.43
Plastics	63.27
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.49E-01
Np-237	4.37E-07
Pu-238	4.77E-03
Pu-239	2.18E-01
Pu-240	5.00E-02
Pu-241	2.34E-01
Pu-242	2.57E-06
Th-229	2.68E-16
Th-230	5.56E-13
Th-232	3.29E-19
U-233	2.86E-12
U-234	4.10E-08
U-235	6.45E-10
U-236	4.45E-09
U-238	1.16E-15

Haz. Waste No(s).

D018, D019, D028, D039, D040, D043, F001, F002, F005, F006, F007, F009

No TRUCON Codes Provided

Waste Stream Description

Waste consists of combustible and noncombustible heterogeneous debris generated through environmental restoration activities at the INEEL Subsurface disposal area (Pit 9). The debris includes drum remnants of sludge waste packaging material that originated at the Rocky Flats Plant from various treatment processes in building 774. Original packaging material (if still present) are segregated during retrieval operations and combined with noncombustible and combustible debris streams that originated at the Rocky Flats Plant. The original noncombustible and combustible debris streams are similar to the following ID numbers: IN-W169, dry Paper and Rags; IN-W278, Low Specific Activity Metal, Glass Etc.; and IN-W296, Non special Source Metal. The materials are combined in a single waste stream through environmental restoration retrieval repackaging activities.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-ID-RF-S3114

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3114	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Organic Setups					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1699.2	0.0	1699.2
Current Form Total	1699.2	0.0	1699.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	3608.0	0.0	3608.0
Final Form Total	3608.0	0.0	3608.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	152.32
Aluminum-based Metals/Alloys	0.00
Other Metals	9.12
Other Inorganic Materials	9.62
Cellulosics	0.06
Rubber	4.41
Plastics	45.56
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	900.52
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.70E-01
Cs-137	2.60E-08
Np-237	4.60E-06
Pu-238	1.12E-02
Pu-239	3.86E-01
Pu-240	8.20E-02
Pu-241	3.00E-01
Pu-242	7.32E-06
Sr-90	4.28E-08
Th-229	3.15E-13
Th-230	2.12E-09
Th-232	2.41E-17
U-233	3.51E-10
U-234	1.21E-05
U-235	3.20E-07
U-236	4.87E-08
U-238	2.49E-06

Haz. Waste No(s).

D022, D026, D027, D028, D029, D030, D032, D034, D036, D037, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

This waste consists of > 50% by volume solidified organic liquids

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **IN-ID-RF-S3150-A**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3114	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Organic and Sludge Imobilization System Waste					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	178.9	0.0	178.9
Current Form Total	178.9	0.0	178.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	178.9	0.0	178.9
Final Form Total	178.9	0.0	178.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	151.00
Aluminum-based Metals/Alloys	0.00
Other Metals	119.00
Other Inorganic Materials	19.60
Cellulosics	0.00
Rubber	10.90
Plastics	56.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	2940.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.31E-01
Cs-137	3.18E-07
Np-237	4.36E-05
Pu-238	1.51E-02
Pu-239	3.59E+00
Pu-240	7.95E-01
Pu-241	4.43E+00
Pu-242	6.68E-05
Sr-90	5.40E-07
Th-229	1.42E-12
Th-230	1.84E-06
Th-232	9.84E-17
U-233	2.36E-09
U-234	1.57E-02
U-235	2.44E-06
U-236	3.07E-07
U-238	5.13E-06

Haz. Waste No(s).

D022, D028, D029, D030, D032, D034, D036, D043, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

This waste consists of >50% by volume cemented organic liquids

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-ID-RF-S5100-A

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Raschig Rings					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	520.0	0.0	520.0
Current Form Total	520.0	0.0	520.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	147.00
Aluminum-based Metals/Alloys	0.00
Other Metals	27.50
Other Inorganic Materials	383.00
Cellulosics	47.60
Rubber	0.04
Plastics	68.40
Cements	0.00
Inorganic Matrix	3.92
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.11E-01
Cs-137	3.22E-08
Np-237	6.83E-06
Pu-238	4.45E-02
Pu-239	1.59E+00
Pu-240	3.63E-01
Pu-241	7.26E-01
Pu-242	3.05E-05
Sr-90	5.36E-08
Th-229	1.62E-08
Th-230	1.79E-09
Th-232	1.80E-16
U-233	6.65E-06
U-234	9.40E-06
U-235	1.89E-07
U-236	2.80E-07
U-238	2.89E-07

Haz. Waste No(s).

D008, D009, D022, F001, F002, F005

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

This waste consists of >50% by volume Raschig Rings

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-ID-RF-S5126-A

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Graphite	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Graphite Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	291.2	0.0	291.2
Current Form Total	291.2	0.0	291.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	291.2	0.0	291.2
Final Form Total	291.2	0.0	291.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	283.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.02
Other Inorganic Materials	1580.00
Cellulosics	46.80
Rubber	0.03
Plastics	110.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.45E+00
Cs-137	2.64E-02
Np-237	1.34E-04
Pu-238	7.62E-01
Pu-239	2.50E+01
Pu-240	5.81E+00
Pu-241	1.44E+01
Pu-242	4.77E-04
Sr-90	3.60E-07
Th-229	2.51E-05
Th-230	1.95E-07
Th-232	2.88E-15
U-233	1.03E-02
U-234	8.65E-04
U-235	1.23E-06
U-236	4.49E-06
U-238	1.87E-12

Haz. Waste No(s).

D008, D029, F001, F002, F005

TRUCON Code(s)

115/215

Waste Stream Description

Graphite wastes contain more than 50% (by volume) or more, inorganic nonmetal debris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-ID-RF-S5300-A

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5300	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Combustibles and Plastics			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5408.0	0.0	5408.0
Current Form Total	5408.0	0.0	5408.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	12285.0	0.0	12285.0
Final Form Total	12285.0	0.0	12285.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	146.35
Aluminum-based Metals/Alloys	0.49
Other Metals	0.88
Other Inorganic Materials	16.03
Cellulosics	118.99
Rubber	9.82
Plastics	145.49
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.45E-02
Am-243	1.20E-11
Cm-244	1.79E-04
Cs-137	5.87E-09
Np-237	2.65E-06
Pu-238	3.16E-03
Pu-239	1.10E-01
Pu-240	2.47E-02
Pu-241	4.91E-01
Pu-242	2.52E-06
Sr-90	8.14E-09
Th-229	3.56E-07
Th-230	2.44E-09
Th-232	6.55E-18
U-233	2.00E-04
U-234	1.44E-05
U-235	3.77E-07
U-236	1.40E-08
U-238	5.81E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

112/212, 116/216

Waste Stream Description

Contains more than 50% (by volume), inorganic combustible and plastic debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-ID-SDA-Debris

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	ICP Retrieved Debris Waste (Filters/Graphite)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5541.3	0.0	5541.3
Current Form Total	5541.3	0.0	5541.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5541.3	0.0	5541.3
Final Form Total	5541.3	0.0	5541.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	152.00
Cellulosics	231.00
Rubber	0.00
Plastics	13.90
Cements	0.10
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.10E+00
Am-243	2.39E-03
Np-237	8.45E-05
Pu-238	2.30E-01
Pu-239	1.16E+00
Pu-240	3.05E-01
Th-229	9.14E-08
Th-230	3.96E-07
Th-232	9.15E-14
U-233	2.71E-05
U-234	1.24E-03
U-235	9.93E-05
U-236	5.16E-05
U-238	2.10E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D027, D028, D029, D030, D032, D033, D034, D037, D038, D043, F001, F002, F004, F005, F006, F007, F009

TRUCON Code(s)

112/212, 122/222, 127/227

Waste Stream Description

Pre-1970 buried waste retrieved for the Idaho Completion Project

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-ID-SDA-Sludge

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3900
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	ICP Retrieved Sludge Waste (Inorganic/Organic Sludge/Roaster Oxide)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	11811.3	0.0	11811.3
Current Form Total	11811.3	0.0	11811.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	11811.3	0.0	11811.3
Final Form Total	11811.3	0.0	11811.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	7.00
Cements	0.68
Inorganic Matrix	376.00
Organic Matrix	193.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.10E+00
Am-243	2.39E-03
Np-237	8.45E-05
Pu-238	2.30E-01
Pu-239	1.16E+00
Pu-240	3.05E-01
Th-229	9.14E-08
Th-230	3.96E-07
Th-232	9.15E-14
U-233	2.71E-05
U-234	1.24E-03
U-235	9.93E-05
U-236	5.16E-05
U-238	2.10E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D027, D028, D029, D030, D032, D033, D034, D037, D038, D043, F001, F002, F004, F005, F006, F007, F009

TRUCON Code(s)

112/212, 122/222, 127/227

Waste Stream Description

Pre-1970 buried waste retrieved for the Idaho Completion Project

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **IN-ID-SDA-Soil**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4200
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	ICP Retrieved Soils			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	665.6	0.0	665.6
Current Form Total	665.6	0.0	665.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	665.6	0.0	665.6
Final Form Total	665.6	0.0	665.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	29.30
Cellulosics	0.00
Rubber	0.00
Plastics	8.37
Cements	0.42
Inorganic Matrix	26.50
Organic Matrix	0.00
Soils/gravel	628.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.10E+00
Am-243	2.39E-03
Np-237	8.45E-05
Pu-238	2.30E-01
Pu-239	1.16E+00
Pu-240	3.05E-01
Th-229	9.14E-08
Th-230	3.96E-07
Th-232	9.15E-14
U-233	2.71E-05
U-234	1.24E-03
U-235	9.93E-05
U-236	5.16E-05
U-238	2.10E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D027, D028, D029, D030, D032, D033, D034, D037, D038, D043, F001, F002, F004, F005, F006, F007, F009

TRUCON Code(s)

112/212, 122/222, 127/227

Waste Stream Description

Pre-1970 buried waste retrieved for the Idaho Completion Project

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-INTEC-SFS-01

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	RH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Solidified Fuel Sludge					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	111.95
Aluminum-based Metals/Alloys	0.00
Other Metals	160.11
Other Inorganic Materials	30.74
Cellulosics	0.00
Rubber	0.00
Plastics	13.58
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.66E+00
Cs-137	3.54E+00
Np-237	9.26E-06
Pu-238	1.90E+00
Pu-239	2.72E-01
Pu-240	3.14E-01
Pu-241	1.79E+01
Pu-242	1.13E-03
Sr-90	2.57E+00
Th-229	2.90E-13
Th-230	2.21E-08
Th-232	1.81E-16
U-233	4.15E-10
U-234	1.69E-04
U-235	9.67E-06
U-236	2.61E-07
U-238	4.77E-12

Haz. Waste No(s).

D008

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at the Idaho Chemical Processing Plant at the INEEL, and may include both combustibles and noncombustibles. The waste includes solidified sludge of acid-dissolved fuel, absorbed into diatomaceous earth.

The waste is contained in two 30-gallon lead-lined drums. The sludge is contained in glass bottles and sealed inside metal cans. Other materials may include glass containers, plastics, metal, scraps, lead shielding, and miscellaneous laboratory equipment. The surface dose rate is limited to 30 R/hr.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-NRF-153

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible Lab Waste					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	3.1	0.0	3.1
Current Form Total	3.1	0.0	3.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	8.0	0.0	8.0
Final Form Total	8.0	0.0	8.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.59
Aluminum-based Metals/Alloys	0.00
Other Metals	21.52
Other Inorganic Materials	1.08
Cellulosics	2.15
Rubber	1.43
Plastics	1.79
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.32E-03
Np-237	7.08E-09
Pu-238	2.90E-02
Pu-239	4.05E-04
Pu-240	4.37E-04
Pu-241	1.52E-02
Pu-242	1.45E-06
Th-229	2.05E-16
Th-230	3.11E-10
Th-232	2.34E-19
U-233	3.05E-13
U-234	2.48E-06
U-235	5.92E-06
U-236	3.50E-10
U-238	5.91E-15

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

The waste materials include process equipment from the hot cells, various size containers (50 ml to 8 gal), various plastic and paper products, wooden handles, and various woven fabric materials.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-TRA-150

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	RH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Laboratory Waste			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.1	0.0	2.1
Current Form Total	2.1	0.0	2.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	3.6	0.0	3.6
Final Form Total	3.6	0.0	3.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	343.00
Other Inorganic Materials	22.00
Cellulosics	0.00
Rubber	0.00
Plastics	41.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.06E+01
Np-237	5.58E-05
Pu-238	1.11E+01
Th-229	9.73E-13
Th-230	3.95E-08
U-233	1.94E-09
U-234	5.37E-04

Haz. Waste No(s).

D007, D008, D009, D011

No TRUCON Codes Provided

Waste Stream Description

Sludge from clean-up of the hot cell tank at Test Reactor Area

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-TRA-157

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Miscellaneous Sources			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.1	0.0	3.1
Current Form Total	3.1	0.0	3.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	4.5	0.0	4.5
Final Form Total	4.5	0.0	4.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	236.00
Aluminum-based Metals/Alloys	0.00
Other Metals	338.00
Other Inorganic Materials	65.00
Cellulosics	0.00
Rubber	0.00
Plastics	29.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.51E-02
Cm-244	2.80E-03
Cs-137	4.77E-02
Np-237	1.38E-07
Pu-238	3.25E-02
Pu-239	9.38E-04
Pu-240	4.52E-06
Sr-90	4.36E-01
Th-229	5.25E-07
Th-230	1.53E-08
Th-232	1.77E-22
U-233	4.67E-04
U-234	1.42E-04
U-235	1.11E-11
U-236	8.65E-13

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

14 resin drums and one neutron source drum from Test Reactor Area.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW161.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW161.001	19.1
Shipped Total		19.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.05
Aluminum-based Metals/Alloys	0.00
Other Metals	0.43
Other Inorganic Materials	247.58
Cellulosics	24.03
Rubber	0.00
Plastics	6.05
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.29E+00
Np-237	1.60E-06
Pu-238	2.78E-01
Pu-239	8.21E+00
Pu-240	1.86E+00
Pu-241	1.71E+01
Pu-242	1.84E-04
Th-229	1.66E-15
Th-230	6.31E-10
Th-232	2.18E-17
U-233	1.34E-11
U-234	1.91E-05
U-235	4.61E-06
U-236	2.20E-07
U-238	2.90E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

122/222, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W163.1007

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	CH
Source Cat.	Source Unknown	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	OIL-DRI RESIDUE FROM INCINERATOR:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.0	0.0	4.0
Current Form Total	4.0	0.0	4.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	9.6	0.0	9.6
Final Form Total	11.5	0.0	11.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	205.58
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	208.08
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.71E-01
Np-237	1.80E-06
Pu-238	2.39E-01
Pu-239	7.57E+00
Pu-240	1.67E+00
Pu-241	1.37E+01
Pu-242	3.68E-04
Th-229	1.95E-14
Th-230	9.63E-10
Th-232	3.53E-16
U-233	4.71E-11
U-234	1.23E-05
U-235	1.27E-07
U-236	8.41E-07
U-238	9.44E-13

Haz. Waste No(s).

F001, F002

No TRUCON Codes Provided

Waste Stream Description

This waste stream, generated at Rocky Flats Plant, includes Oil-Dri absorbent and waste from laundry and utility operations.

Organic content should be less than 14 lb/ft3. No sludges or free liquids should be present. The Oil-Dri should meet WIPP immobilization standards. No explosive or pyrophoric materials should be in this waste.

The material is contained in 55-gallon drums. Inside the drums, the waste may be contained in PE bottles and/or metal paint cans and double-bagged in PE and PVC bags. Some waste may also be contained in PE residue process containers (RPCS). Drums were prepared and inspected according to pre and post-1972 procedures. Starting in 1982, vermiculite instead of Oil-Dri was used in the tops of the drums.

The waste matrix composition listed is for the incinerator waste. No information is available concerning the laundry and utility operation waste.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W167.149

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3114	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SOLIDIFIED ORGANICS:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	169.1	0.0	169.1
Current Form Total	169.1	0.0	169.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	62.4	0.0	62.4
TDOP w/ 10 - 55-gal Drums w/ Liners	320.9	0.0	320.9
Final Form Total	383.3	0.0	383.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	347.48
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	109.49
Inorganic Matrix	0.00
Organic Matrix	151.01
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.25
Packaging Material, Plastic	13.68
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.64E-02
Np-237	1.95E-07
Pu-238	1.10E-02
Pu-239	3.49E-01
Pu-240	7.70E-02
Pu-241	6.31E-01
Pu-242	1.40E-05
Th-229	3.11E-15
Th-230	4.45E-11
Th-232	1.63E-17
U-233	6.33E-12
U-234	5.69E-07
U-235	5.85E-09
U-236	3.88E-08
U-238	3.59E-14

Haz. Waste No(s).

D022, F001, F003

TRUCON Code(s)

112/212

Waste Stream Description

TRU solid organic waste consists of cemented or absorbed organic liquids from production or laboratory processes. The content code packaged as112 includes IDC 003.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW169.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5330
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW169.001	19.1
Shipped Total		19.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.24
Aluminum-based Metals/Alloys	0.05
Other Metals	3.52
Other Inorganic Materials	7.37
Cellulosics	130.27
Rubber	0.73
Plastics	7.38
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.40E-01
Np-237	3.01E-07
Pu-238	3.46E-02
Pu-239	1.03E+00
Pu-240	2.30E-01
Pu-241	2.38E+00
Pu-242	3.09E-05
Th-229	3.14E-16
Th-230	5.67E-10
Th-232	2.69E-18
U-233	2.53E-12
U-234	1.59E-05
U-235	3.78E-06
U-236	2.72E-08
U-238	2.29E-07

Haz. Waste No(s).

D006, D007, D008, D009, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W181.162

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	LAUNDRY SLUDGE					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	34.9	0.0	34.9
Current Form Total	34.9	0.0	34.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	13.2	0.0	13.2
TDOP w/ 10 - 55-gal Drums w/ Liners	67.1	0.0	67.1
Final Form Total	80.3	0.0	80.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	2.96
Other Inorganic Materials	30.25
Cellulosics	30.25
Rubber	0.00
Plastics	8.18
Cements	268.45
Inorganic Matrix	402.68
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.76E-02
Np-237	1.19E-07
Pu-238	1.05E-02
Pu-239	3.39E-01
Pu-240	7.69E-02
Pu-241	9.04E-01
Pu-242	5.54E-06
Th-229	1.29E-15
Th-230	4.23E-11
Th-232	1.63E-17
U-233	3.11E-12
U-234	5.42E-07
U-235	5.68E-09
U-236	3.88E-08
U-238	1.42E-14

Haz. Waste No(s).

D006, D007, D008, D009, F001, F002, F003

TRUCON Code(s)

111/211

Waste Stream Description

This waste is from Rocky Flats. The waste consists of sludge from laundry operations that have been cemented in portland. The cement is described as a poor grade. Volume for this waste stream has increased significantly from the TWBIR Revision 2 volumes due to the additional Alpha Mixed Low-level waste (AMLLW).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W188.160

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	BLDG 776 PROCESS SLUDGE:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.5	0.0	1.5
Box - Misc	63.4	0.0	63.4
Current Form Total	64.9	0.0	64.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	24.6	0.0	24.6
TDOP w/ 10 - 55-gal Drums w/ Liners	124.5	0.0	124.5
Final Form Total	149.1	0.0	149.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.46
Other Inorganic Materials	15.79
Cellulosics	6.62
Rubber	0.00
Plastics	4.10
Cements	193.25
Inorganic Matrix	289.87
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.73E-02
Np-237	1.17E-07
Pu-238	1.56E-02
Pu-239	4.94E-01
Pu-240	1.09E-01
Pu-241	8.96E-01
Pu-242	2.01E-05
Th-229	1.28E-15
Th-230	6.28E-11
Th-232	2.31E-17
U-233	3.08E-12
U-234	8.03E-07
U-235	8.28E-09
U-236	5.49E-08
U-238	5.15E-14

Haz. Waste No(s).

D006, D007, D008, D009, D022, D028, F001, F002, F003

TRUCON Code(s)

111/211

Waste Stream Description

This waste is from Rocky Flats and consists of sludge from floor drains in a Pu process facility that have been cemented in portland. The cement is described as a poor grade. Also may be laundry sludges, material contents given are for an organic laundry sludge.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW198.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5310	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW198.001	49.1
Shipped Total		49.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.17
Aluminum-based Metals/Alloys	0.00
Other Metals	2.55
Other Inorganic Materials	13.60
Cellulosics	0.44
Rubber	0.53
Plastics	86.81
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.22E-01
Np-237	1.51E-07
Pu-238	2.44E-02
Pu-239	7.70E-01
Pu-240	1.72E-01
Pu-241	1.62E+00
Pu-242	1.81E-05
Th-229	1.99E-09
Th-230	1.09E-10
Th-232	2.02E-18
U-233	5.30E-06
U-234	3.17E-06
U-235	7.28E-07
U-236	2.04E-08
U-238	1.20E-06

Haz. Waste No(s).

D006, D007, D008, D009, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W208.243

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Absolute 8X8 filters:RHUncert			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	16.75
Aluminum-based Metals/Alloys	14.25
Other Metals	1.06
Other Inorganic Materials	17.77
Cellulosics	86.85
Rubber	8.58
Plastics	35.61
Cements	0.00
Inorganic Matrix	0.36
Organic Matrix	0.03
Soils/gravel	0.13
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.83E+01
Np-237	9.43E-05
Pu-238	1.47E+00
Pu-239	4.78E+01
Pu-240	1.08E+01
Pu-241	1.21E+02
Pu-242	7.80E-04
Th-229	1.90E-12
Th-230	6.67E-09
Th-232	2.56E-15
U-233	3.49E-09
U-234	8.05E-05
U-235	3.94E-05
U-236	5.76E-06
U-238	2.12E-12

Haz. Waste No(s).

D022, D028, D029, F001, F002, F003, F005

No TRUCON Codes Provided

Waste Stream Description

This waste stream, generated at the Rocky Flats Plant, consists of absolute filters used for filtering intake and exhaust air from glovebox lines. The filters are composed of wood or particle board frames and an asbestos-type filter media. The waste may include limited amounts of combustible materials (surgical gloves, etc.). Several sizes of filters may be present. This code has not been used since 1975. Since then absolute filters were processed as Content Code 338 (insulation and CWS filter media) or 376 (cemented insulation and filter media). Some of the drums may be lead lined. There is a lack of information aabout the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/ft3. SIgnificant amounts of resiprable fines may be presten. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in this waste. except for some residual amounts of nitric acid. Each filter is double contained in PVC and PE bags aned assayed. Up to 12-20 filters are placed in each prepared drum. Small amounts of Oil-Dri are added to drums containing damp filters. Drums were packed according to the usual pre-1972 procedures.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **INW211.001-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW211.001	299.9
55-gal Drum Dir Ld w/o Liner	WP-INW211.001	0.2
SWB w/ 4 - 55-gal Drums w/ Liners	WP-INW211.001	3.8
Shipped Total		303.9

Waste Material Parameters

Material Parameter	**Average Density (kg/m^3)**
Iron-based Metals/Alloys	0.05
Aluminum-based Metals/Alloys	8.60
Other Metals	0.41
Other Inorganic Materials	22.38
Cellulosics	136.35
Rubber	0.08
Plastics	7.29
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	**Typical Concentration (Ci/m^3)**
Am-241	2.41E+00
Np-237	2.99E-06
Pu-238	4.37E-01
Pu-239	1.20E+01
Pu-240	2.67E+00
Pu-241	3.21E+01
Pu-242	4.62E-04
Th-229	1.60E-08
Th-230	5.35E-10
Th-232	3.13E-17
U-233	4.26E-05
U-234	1.74E-05
U-235	3.14E-06
U-236	3.17E-07
U-238	4.84E-06

Haz. Waste No(s).

D005, D007, D008, D009, D011, D022, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

119/219

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW216.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW216.001	1227.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	WP-INW216.001	0.6
SWB Dir Ld w/o Liner	WP-INW216.001	11.3
SWB w/ 4 - 55-gal Drums w/ Liners	WP-INW216.001	5.7
Shipped Total		1245.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	0.08
Other Inorganic Materials	12.65
Cellulosics	0.19
Rubber	0.01
Plastics	0.53
Cements	0.00
Inorganic Matrix	829.38
Organic Matrix	0.18
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.58E+01
Np-237	7.45E-05
Pu-238	9.01E-02
Pu-239	2.62E+00
Pu-240	5.88E-01
Pu-241	6.53E+00
Pu-242	9.49E-05
Th-229	1.26E-08
Th-230	2.25E-08
Th-232	1.08E-17
U-233	2.69E-05
U-234	5.00E-04
U-235	8.28E-05
U-236	8.72E-08
U-238	3.12E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211, 116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W216.876

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	RH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	First Stage Sludge:RH-uncertifiable			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	10.2	0.0	10.2
Current Form Total	10.2	0.0	10.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	15.1	0.0	15.1
Final Form Total	15.1	0.0	15.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	44.60
Cellulosics	0.00
Rubber	0.00
Plastics	4.14
Cements	0.00
Inorganic Matrix	744.00
Organic Matrix	14.90
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.07E+01
Np-237	2.99E-04
Pu-238	7.06E-02
Pu-239	2.30E+00
Pu-240	5.22E-01
Pu-241	5.84E+00
Pu-242	3.76E-05
Th-229	6.61E-12
Th-230	3.21E-10
Th-232	1.24E-16
U-233	1.17E-08
U-234	3.88E-06
U-235	4.08E-08
U-236	2.79E-07
U-238	1.02E-13

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D022, D028, F001, F002, F003

No TRUCON Codes Provided

Waste Stream Description

Waste consists of a wet sludge produced from treating aqueous process wastes, such as ion exchange column effluent, distillates, and caustic scrub solutions generated by Plutonium Recovery Operations (Building 771) Portland cement is added to the waste package for absorption of free liquids. Waste drums may periodically contain surgeons' gloves, glovebox gloves, etc. Since the fall of 1979, First-stage sludge (IDC 001) and Second-stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 percent water. Liquid wastes were analyzed for fissile content prior to release from Buildings 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W216.877

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	RH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	FIRST STAGE SLUDGE:RH-cert-repack			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	30.2	0.0	30.2
Current Form Total	30.2	0.0	30.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	43.6	0.0	43.6
Final Form Total	43.6	0.0	43.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	2.30
Other Inorganic Materials	24.20
Cellulosics	0.00
Rubber	0.00
Plastics	6.60
Cements	215.30
Inorganic Matrix	323.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.53E+01
Np-237	1.49E-04
Pu-238	3.53E-02
Pu-239	1.15E+00
Pu-240	2.61E-01
Pu-241	2.93E+00
Pu-242	1.88E-05
Th-229	3.30E-12
Th-230	1.61E-10
Th-232	6.19E-17
U-233	5.85E-09
U-234	1.94E-06
U-235	2.04E-08
U-236	1.39E-07
U-238	5.11E-14

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D022, D028, F001, F002, F003

TRUCON Code(s)

111/211

Waste Stream Description

Waste consists of a wet sludge produced from treating aqueous process wastes, such as ion exchange column effluent, distillates, and caustic scrub solutions generated by Plutonium Recovery Operations (Building 771) Portland cement is added to the waste package for absorption of free liquids. Waste drums may periodically contain surgeons' gloves, glovebox gloves, etc. Since the fall of 1979, first-stage sludge (IDC 001) and Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 percent water. Liquid wastes were analyzed for fissile content prior to release from Buildings 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **INW218.001-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW218.001	833.0
SWB Dir Ld w/o Liner	WP-INW218.001	275.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-INW218.001	1.9
Shipped Total		1110.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	16.30
Cellulosics	0.16
Rubber	0.01
Plastics	1.25
Cements	0.00
Inorganic Matrix	753.19
Organic Matrix	0.19
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.45E-01
Np-237	1.20E-06
Pu-238	1.51E-02
Pu-239	4.48E-01
Pu-240	1.00E-01
Pu-241	1.10E+00
Pu-242	1.53E-05
Th-229	4.70E-09
Th-230	3.74E-08
Th-232	1.83E-18
U-233	1.00E-05
U-234	8.32E-04
U-235	9.20E-05
U-236	1.48E-08
U-238	7.87E-03

Haz. Waste No(s).

D006, D007, D008, D009, D010, D011, D032, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211, 116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W219.110

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S3120
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	SOLIDIFIED GRINDING SLUDGE, ETC.:Uncertifiable			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.5	0.0	7.5
Current Form Total	7.5	0.0	7.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	7.7	0.0	7.7
Final Form Total	7.7	0.0	7.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	2500.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.36E-01
Np-237	4.29E-07
Pu-238	3.80E-02
Pu-239	1.23E+00
Pu-240	2.79E-01
Pu-241	3.28E+00
Pu-242	2.01E-05
Th-229	4.67E-15
Th-230	1.53E-10
Th-232	5.90E-17
U-233	1.13E-11
U-234	1.96E-06
U-235	2.06E-08
U-236	1.41E-07
U-238	5.15E-14

Haz. Waste No(s).

F001, F002

No TRUCON Codes Provided

Waste Stream Description

This waste steam, generated at Bettis Atomic Power Laboratory, consists of solidified grinding sludge and associated filters, rags, etc. The sludge can contain abraded grinding wheel material, which includes diamond dust, aluminum oxide, carborundum, and rubber. The waste is in either powder or cakes and contains not more than 10% of other waste items.

There are high levels of fines. In addition the drums may contain free liquids. The estimated organic content is less than 1 lb/ft3. No particle size data are provided, but it is assumed that WIPP-WAC limits for fines would be exceeded. No free liquids should be present. No explosive, pyrophoric, or corrosive material should be in the waste.

Both 17c and 6m 55-gallon drums were used for packaging the waste. Fissile content was determined by calculating the weight difference by chemical analysis or by an assay gauge.

Waste Stream ID: IN-W219.914

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	SOLIDIFIED GRINDING SLUDGE, ETC.:RH Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.9	0.0	1.9
Current Form Total	1.9	0.0	1.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.11
Other Inorganic Materials	11.97
Cellulosics	5.02
Rubber	0.00
Plastics	3.11
Cements	146.59
Inorganic Matrix	219.88
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.50E-02
Np-237	1.42E-07
Pu-238	1.25E-02
Pu-239	4.06E-01
Pu-240	9.20E-02
Pu-241	1.08E+00
Pu-242	6.63E-06
Th-229	1.54E-15
Th-230	5.04E-11
Th-232	1.95E-17
U-233	3.71E-12
U-234	6.45E-07
U-235	6.80E-09
U-236	4.64E-08
U-238	1.70E-14

Haz. Waste No(s).

F001, F002

No TRUCON Codes Provided

Waste Stream Description

This waste steam, generated at Bettis Atomic Power Laboratory, consists of solidified grinding sludge and associated filters, rags, etc. The sludge can contain abraded grinding wheel material, which includes diamond dust, aluminum oxide, carborundum, and rubber. The waste is in either powder or cakes and contains not more than 10% of other waste items.

There are high levels of fines. In addition the drums may contain free liquids. The estimated organic content is less than 1 lb/ft3. No particle size data are provided, but it is assumed that WIPP-WAC limits for fines would be exceeded. No free liquids should be present. No explosive, pyrophoric, or corrosive material should be in the waste.

Both 17c and 6m 55-gallon drums were used for packaging the waste. Fissile content was determined by calculating the weight difference by chemical analysis or by an assay gauge.

Waste Stream ID: **INW222.001-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW222.001	65.1
Shipped Total		65.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.03
Other Inorganic Materials	0.76
Cellulosics	0.04
Rubber	0.00
Plastics	16.36
Cements	0.00
Inorganic Matrix	566.62
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.10E-01
Np-237	1.01E-06
Pu-238	1.53E-01
Pu-239	4.36E+00
Pu-240	9.80E-01
Pu-241	1.00E+01
Pu-242	1.14E-04
Th-229	1.05E-15
Th-230	5.05E-10
Th-232	1.15E-17
U-233	8.44E-12
U-234	1.49E-05
U-235	1.62E-06
U-236	1.16E-07
U-238	1.08E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

111/211, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W222.116

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3123	**Handling**	CH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	CEMENTED SLUDGE:Direct Ship			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	115.2	0.0	115.2
Current Form Total	115.2	0.0	115.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	43.5	0.0	43.5
TDOP w/ 10 - 55-gal Drums w/ Liners	215.6	0.0	215.6
Final Form Total	259.0	0.0	259.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.09
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	6.96
Cellulosics	0.26
Rubber	0.00
Plastics	26.56
Cements	73.80
Inorganic Matrix	110.70
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	206.93
Packaging Material, Plastic	13.60
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.76E-01
Np-237	8.86E-07
Pu-238	1.13E-01
Pu-239	3.57E+00
Pu-240	7.88E-01
Pu-241	6.49E+00
Pu-242	1.43E-04
Th-229	9.95E-15
Th-230	4.55E-10
Th-232	1.67E-16
U-233	2.36E-11
U-234	5.82E-06
U-235	5.98E-08
U-236	3.97E-07
U-238	3.67E-13

Haz. Waste No(s).

D006, D008, F001, F002, F003

No TRUCON Codes Provided

Waste Stream Description

This waste stream, generated at Rocky Flats Plant, consists of sludge from the incinerator off-gas system, recovery building filter plenums, pumps, etc. Portland cement is added to absorb free liquids. The sludge may contain a limited number of surgical gloves. Content Code 292 replaced Code 290 in 1974.

Before 1977, sludge was sealed in PVC bags, double-contained in plastic and placed in 1-gallon metal paint cans. Portland cement was added to the bottom and top of the can. After 1977, sludge was placed in 1-gallon PE bottles with layers of portland cement. Each can (or bottle) was assayed and placed in groups of about 25 into prepared 55-gallon drums. Drum preparation was in accordance with pre and post 1972 procedures. Starting in 1982, vermiculite replaced Oil-Dri as the material between the top of the waste material and the drum liner lid.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W228.884

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3121	**Handling**	RH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SECOND STAGE SLUDGE:RH-uncert-other					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.0	0.0	6.0
Current Form Total	6.0	0.0	6.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	8.9	0.0	8.9
Final Form Total	8.9	0.0	8.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	44.60
Cellulosics	0.00
Rubber	0.00
Plastics	4.14
Cements	0.00
Inorganic Matrix	744.00
Organic Matrix	14.90
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.40E-01
Np-237	4.33E-06
Pu-238	5.60E-03
Pu-239	1.83E-01
Pu-240	4.14E-02
Pu-241	4.62E-01
Pu-242	2.98E-06
Th-229	9.49E-14
Th-230	2.55E-11
Th-232	9.84E-18
U-233	1.69E-10
U-234	3.08E-07
U-235	3.25E-09
U-236	2.21E-08
U-238	8.09E-15

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D022, D028, F001, F002, F003

No TRUCON Codes Provided

Waste Stream Description

Waste consists of a wet sludge produced from treatment of other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids. Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury, lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactibe sources were also periodically included in second-stage drums through 1979. Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used. Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqaueous wstes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesiumsulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 percent water. Liquid wastes were analyzed for fissile content prior to release from Buildings 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W228.885

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3121	**Handling**	RH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SECOND STAGE SLUDGE:RH-uncert-Hg					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	44.60
Cellulosics	0.00
Rubber	0.00
Plastics	4.14
Cements	0.00
Inorganic Matrix	744.00
Organic Matrix	14.90
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.23E-01
Np-237	7.19E-07
Pu-238	9.37E-04
Pu-239	3.05E-02
Pu-240	6.91E-03
Pu-241	7.74E-02
Pu-242	4.97E-07
Th-229	1.58E-14
Th-230	4.26E-12
Th-232	1.64E-18
U-233	2.80E-11
U-234	5.14E-08
U-235	5.41E-10
U-236	3.69E-09
U-238	1.35E-15

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D022, D028, F001, F002, F003

No TRUCON Codes Provided

Waste Stream Description

Waste consists of a wet sludge produced from treatment of other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids. Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury, lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactibe sources were also periodically included in second-stage drums through 1979. Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used. Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqaueous wstes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesiumsulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 percent water. Liquid wastes were analyzed for fissile content prior to release from Buildings 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W228.886

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3121
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	SECOND STAGE SLUDGE:RH-uncert-repack			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	14.8	0.0	14.8
Current Form Total	14.8	0.0	14.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	21.4	0.0	21.4
Final Form Total	21.4	0.0	21.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	15.80
Cellulosics	0.10
Rubber	0.00
Plastics	2.20
Cements	92.60
Inorganic Matrix	138.90
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.70E-01
Np-237	2.16E-06
Pu-238	2.80E-03
Pu-239	9.15E-02
Pu-240	2.07E-02
Pu-241	2.32E-01
Pu-242	1.49E-06
Th-229	4.74E-14
Th-230	1.27E-11
Th-232	4.91E-18
U-233	8.43E-11
U-234	1.54E-07
U-235	1.62E-09
U-236	1.10E-08
U-238	4.05E-15

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D022, D028, F001, F002, F003

TRUCON Code(s)

111/211

Waste Stream Description

Waste consists of a wet sludge produced from treatment of other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids. Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury, lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactibe sources were also periodically included in second-stage drums through 1979. Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used. Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqaueous wstes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesiumsulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 percent water. Liquid wastes were analyzed for fissile content prior to release from Buildings 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **INW243.001-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW243.001	73.8
55-gal Drum Dir Ld w/o Liner	WP-INW243.001	1.0
Shipped Total		74.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.37
Aluminum-based Metals/Alloys	0.01
Other Metals	11.00
Other Inorganic Materials	163.61
Cellulosics	0.58
Rubber	0.10
Plastics	23.80
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.88E-01
Np-237	1.55E-06
Pu-238	1.37E-01
Pu-239	3.16E+00
Pu-240	7.07E-01
Pu-241	7.68E+00
Pu-242	9.10E-05
Th-229	1.55E-08
Th-230	1.15E-09
Th-232	1.29E-17
U-233	3.30E-05
U-234	2.65E-05
U-235	5.99E-06
U-236	1.05E-07
U-238	4.24E-06

Haz. Waste No(s).

D005, D008, D009, D022, F001, F002, F005

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W243.276

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Analytical Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	GLASS: RH-Cert.-repack					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.5	0.0	2.5
Current Form Total	2.5	0.0	2.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	3.6	0.0	3.6
Final Form Total	3.6	0.0	3.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.15
Other Inorganic Materials	208.53
Cellulosics	0.00
Rubber	0.76
Plastics	22.60
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.93E-01
Np-237	1.70E-06
Pu-238	6.54E-02
Pu-239	2.14E+00
Pu-240	4.84E-01
Pu-241	5.42E+00
Pu-242	3.49E-05
Th-229	2.94E-14
Th-230	2.97E-10
Th-232	1.15E-16
U-233	5.72E-11
U-234	3.59E-06
U-235	6.55E-07
U-236	2.59E-07
U-238	4.26E-08

Haz. Waste No(s).

D008, D029, F001, F002, F003, F005

TRUCON Code(s)

118/218

Waste Stream Description

This waste stream, generated at the Rocky Flats Plant, consists of glass sample vials, bottles, lead-taped sample vials, ion exchange columns, dissolver ports, laboratory glassware such as pyrex flasks and beakers, glovebox windows (glass, plexiglass, leaded glass), and crushed and ground glass. The waste includes limited amounts of other non-combustibles such as metals, and limited amounts of combustible wastes. No sludges should be present although some glass vials may contain limited amounts of free liquids. No explosive, pyrophoric, or corrosive materials should be in the waste. Drums may contain respirable crushed glass fines or free liquids. The glass may be packaged with some variation depending on if it is whole, broken to peices, or crushed or ground. Whole or broken glass may be packaged in 1-gallon PE bottles, in 13-inch high by 15.5-inch diameter Fibre-Paks (either loose or inside plastic bags inside the Fibre-Pak), or double-packed in plastic bags, with the outside of the outer bag taped for protecion against sharp edges. Glassware such as sample vials may be taped together before packaging. Nonline generated glassware, light bulbs, and fluorescent tubes are usually crushed or ground and placed directly into a prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and seling procedures; and since 1982, vermiculite instead of Oil-Dri was placed on the top of the outer seared PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W243.277

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Analytical Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	GLASS: RH-Uncert					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
Current Form Total	0.8	0.0	0.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	1.8	0.0	1.8
Final Form Total	1.8	0.0	1.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	2500.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.57E+00
Np-237	6.80E-06
Pu-238	2.62E-01
Pu-239	8.54E+00
Pu-240	1.94E+00
Pu-241	2.17E+01
Pu-242	1.39E-04
Th-229	1.18E-13
Th-230	1.19E-09
Th-232	4.60E-16
U-233	2.29E-10
U-234	1.44E-05
U-235	2.62E-06
U-236	1.03E-06
U-238	1.70E-07

Haz. Waste No(s).

D008, D029, F001, F002, F003, F005

No TRUCON Codes Provided

Waste Stream Description

This waste stream, generated at the Rocky Flats Plant, consists of glass sample vials, bottles, lead-taped sample vials, ion exchange columns, dissolver ports, laboratory glassware such as pyrex flasks and beakers, glovebox windows (glass, plexiglass, leaded glass), and crushed and ground glass. The waste includes limited amounts of other non-combustibles such as metals, and limited amounts of combustible wastes. No sludges should be present although some glass vials may contain limited amounts of free liquids. No explosive, pyrophoric, or corrosive materials should be in the waste. Drums may contain respirable crushed glass fines or free liquids. The glass may be packaged with some variation depending on if it is whole, broken to peices, or crushed or ground. Whole or broken glass may be packaged in 1-gallon PE bottles, in 13-inch high by 15.5-inch diameter Fibre-Paks (either loose or inside plastic bags inside the Fibre-Pak), or double-packed in plastic bags, with the outside of the outer bag taped for protecion against sharp edges. Glassware such as sample vials may be taped together before packaging. Nonline generated glassware, light bulbs, and fluorescent tubes are usually crushed or ground and placed directly into a prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and seling procedures; and since 1982, vermiculite instead of Oil-Dri was placed on the top of the outer seared PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **INW247.001R1-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW247.001R1	112.7
55-gal Drum Dir Ld w/o Liner	WP-INW247.001R1	4.2
Shipped Total		116.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.15
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	233.57
Cellulosics	19.55
Rubber	0.00
Plastics	1.28
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.32E-01
Np-237	1.13E-06
Pu-238	2.09E-01
Pu-239	3.55E+00
Pu-240	8.10E-01
Pu-241	8.98E+00
Pu-242	6.77E-05
Th-229	3.02E-08
Th-230	7.74E-11
Th-232	1.48E-17
U-233	6.45E-05
U-234	3.22E-06
U-235	6.88E-08
U-236	1.20E-07
U-238	5.11E-14

Haz. Waste No(s).

D008, F001, F002

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW252.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5311
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW252.001	60.9
Shipped Total		60.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	207.33
Other Inorganic Materials	4.03
Cellulosics	0.10
Rubber	208.17
Plastics	3.38
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.64E-01
Np-237	1.05E-06
Pu-238	1.98E-01
Pu-239	4.95E+00
Pu-240	1.12E+00
Pu-241	1.74E+01
Pu-242	1.12E-04
Th-229	1.07E-15
Th-230	4.96E-10
Th-232	1.32E-17
U-233	8.67E-12
U-234	1.49E-05
U-235	3.71E-06
U-236	1.33E-07
U-238	6.75E-14

Haz. Waste No(s).

D008, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

123/223

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W252.282

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	LEADED RUBBER GLOVES AND APRONS: RH-Cert-repack					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	12.1	0.0	12.1
Current Form Total	12.1	0.0	12.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	17.8	0.0	17.8
Final Form Total	17.8	0.0	17.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	13.40
Cellulosics	2.60
Rubber	286.00
Plastics	8.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.08E+00
Np-237	4.28E-06
Pu-238	2.22E-01
Pu-239	7.25E+00
Pu-240	1.64E+00
Pu-241	1.84E+01
Pu-242	1.18E-04
Th-229	6.70E-14
Th-230	1.01E-09
Th-232	3.89E-16
U-233	1.36E-10
U-234	1.22E-05
U-235	1.29E-07
U-236	8.74E-07
U-238	3.20E-13

Haz. Waste No(s).

D008, D022, D028, D029, F001, F002, F003, F005

TRUCON Code(s)

123/223

Waste Stream Description

This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W254.1045

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	LEADED RUBBER GLOVES AND APRONS: RH-Cert-repack			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
Current Form Total	0.8	0.0	0.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	1.8	0.0	1.8
Final Form Total	1.8	0.0	1.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	178.10
Other Inorganic Materials	20.10
Cellulosics	3.80
Rubber	185.70
Plastics	11.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.98E-01
Np-237	1.67E-06
Pu-238	1.33E-01
Pu-239	4.33E+00
Pu-240	9.81E-01
Pu-241	1.10E+01
Pu-242	7.07E-05
Th-229	2.05E-14
Th-230	6.04E-10
Th-232	2.33E-16
U-233	4.66E-11
U-234	7.28E-06
U-235	7.68E-08
U-236	5.24E-07
U-238	1.92E-13

Haz. Waste No(s).

D008, F001, F002

TRUCON Code(s)

123/223

Waste Stream Description

This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W263.520

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4100
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CONTAMINATED SOIL			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	123.6	0.0	123.6
Current Form Total	123.6	0.0	123.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	45.4	0.0	45.4
TDOP w/ 10 - 55-gal Drums w/ Liners	234.7	0.0	234.7
Final Form Total	280.1	0.0	280.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.09
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	5.67
Cellulosics	16.82
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	542.81
Vitrified	0.00
Packaging Material, Steel	207.30
Packaging Material, Plastic	13.69
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.81E-04
Np-237	5.71E-10
Pu-238	1.28E+00
Pu-239	6.79E-02
Pu-240	1.08E-04
Pu-241	4.35E-03
Pu-242	9.44E-08
Th-229	6.20E-18
Th-230	5.15E-09
Th-232	2.28E-20
U-233	1.50E-14
U-234	6.59E-05
U-235	1.14E-09
U-236	5.44E-11
U-238	2.42E-16

Haz. Waste No(s).

D006, D007, D008, D009, D010, D011

No TRUCON Codes Provided

Waste Stream Description

This waste, generated at Mound Laboratories, consists of soil, including small rocks and pebbles, generated from cleanup of a leak. All soil waste was dry when packaged. A few waste boxes also include picks, shovels, metal cans, rubber gloves, booties, respirators, plastic, and possibly an air hammer and chisel. Soils waste was packaged in small, plastic lined plywood boxes (42 x 20 x 39 inch) other waste was then placed on top of the soil before the box was sealed. Four of the small boxes were then packaged in a standard larger waste box (4 x 4 x 7 feet) lined with fiberglass-reinforced polyester. Assay was performed using radiochemical analysis on core samples taken from the contaminated area.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W267.1005

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	GRIT:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.7	0.0	3.7
Current Form Total	3.7	0.0	3.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	9.6	0.0	9.6
Final Form Total	11.5	0.0	11.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.64
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	39.88
Cellulosics	4.44
Rubber	0.00
Plastics	6.03
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.03E+00
Np-237	3.24E-06
Pu-238	4.30E-01
Pu-239	1.36E+01
Pu-240	2.99E+00
Pu-241	2.47E+01
Pu-242	7.02E-04
Th-229	3.52E-14
Th-230	1.74E-09
Th-232	6.34E-16
U-233	8.49E-11
U-234	2.22E-05
U-235	2.28E-07
U-236	1.51E-06
U-238	1.80E-12

Haz. Waste No(s).

D007

No TRUCON Codes Provided

Waste Stream Description

This waste stream, generated at the Rocky Flats Plant, consists of grit such as aluminum oxide and iron fines and pellets used in grit-blasting operations and spent silica gel desiccant.

The only organic material is the packaging, which averages about 5 lb/ft3, excluding the drum liner. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

The material is contained in 55-gallon drums. Inside the drums, the grit may be contained in PVC or PE bags in Vollrath stainless steel cans, or in 1-gallon PE bottles inside PVC and PE bags. Silica gel is placed directly into the prepared drums. Drums were prepared and inspected according to pre- and post-1972 procedures.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW276.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW276.001	10.2
Shipped Total		10.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	329.28
Cellulosics	4.61
Rubber	0.00
Plastics	3.73
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.32E-01
Np-237	1.37E-06
Pu-238	2.26E-01
Pu-239	3.12E+00
Pu-240	7.11E-01
Pu-241	7.96E+00
Pu-242	6.42E-05
Th-229	6.91E-15
Th-230	2.45E-10
Th-232	4.22E-17
U-233	2.52E-11
U-234	5.98E-06
U-235	5.33E-08
U-236	1.90E-07
U-238	8.72E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW276.002-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW276.002	16.0
Shipped Total		16.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	320.62
Cellulosics	8.74
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.34E-01
Np-237	1.24E-06
Pu-238	2.17E-01
Pu-239	2.98E+00
Pu-240	6.79E-01
Pu-241	7.95E+00
Pu-242	6.13E-05
Th-229	3.42E-08
Th-230	1.99E-10
Th-232	3.18E-17
U-233	4.56E-05
U-234	5.28E-06
U-235	7.10E-08
U-236	1.61E-07
U-238	7.40E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW276.003-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW276.003	182.6
55-gal Drum Dir Ld w/o Liner	WP-INW276.003	4.0
Shipped Total		186.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.04
Aluminum-based Metals/Alloys	0.00
Other Metals	0.04
Other Inorganic Materials	329.25
Cellulosics	8.62
Rubber	0.00
Plastics	1.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.69E+00
Np-237	3.01E-06
Pu-238	6.91E-01
Pu-239	9.25E+00
Pu-240	2.11E+00
Pu-241	2.76E+01
Pu-242	1.96E-04
Th-229	1.57E-07
Th-230	3.77E-10
Th-232	5.56E-17
U-233	2.79E-04
U-234	1.29E-05
U-235	2.65E-07
U-236	3.75E-07
U-238	6.00E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **INW276.004-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW276.004	42.4
55-gal Drum Dir Ld w/o Liner	WP-INW276.004	4.4
Shipped Total		46.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.25
Aluminum-based Metals/Alloys	0.00
Other Metals	0.17
Other Inorganic Materials	327.99
Cellulosics	2.14
Rubber	0.00
Plastics	3.07
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.64E+00
Np-237	2.97E-06
Pu-238	5.76E-01
Pu-239	7.84E+00
Pu-240	1.79E+00
Pu-241	2.30E+01
Pu-242	1.63E-04
Th-229	5.45E-07
Th-230	4.32E-10
Th-232	4.71E-17
U-233	9.69E-04
U-234	1.30E-05
U-235	6.52E-07
U-236	3.18E-07
U-238	1.48E-13

Haz. Waste No(s).

D008, D029, D040, F001, F002, F005

TRUCON Code(s)

115/215, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W294.343

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5110	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	LEACHED NONSPECIAL SOURCE METAL:RH-Cert-repack					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.0	0.0	6.0
Current Form Total	6.0	0.0	6.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	8.9	0.0	8.9
Final Form Total	8.9	0.0	8.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	113.00
Aluminum-based Metals/Alloys	6.70
Other Metals	85.10
Other Inorganic Materials	22.10
Cellulosics	0.00
Rubber	0.00
Plastics	11.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.34E-01
Np-237	1.65E-06
Pu-238	9.63E-02
Pu-239	3.15E+00
Pu-240	7.13E-01
Pu-241	7.99E+00
Pu-242	5.14E-05
Th-229	2.44E-14
Th-230	4.38E-10
Th-232	1.69E-16
U-233	5.07E-11
U-234	5.28E-06
U-235	2.08E-06
U-236	3.81E-07
U-238	1.40E-13

Haz. Waste No(s).

D008, D022, F001, F002, F005

TRUCON Code(s)

117/217

Waste Stream Description

The waste comes from Rocky Flats Plant. It consists of the smaller pieces of the waste described under Content Code 480 that have been washed with hot water to recover plutonium. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead-lined containers are included.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: INW296.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Lead/Cadmium Metal Wast	**Waste Matrix Code**	S5112	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-INW296.001	93.2
55-gal Drum Dir Ld w/o Liner	WP-INW296.001	4.6
Shipped Total		97.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.43
Aluminum-based Metals/Alloys	0.39
Other Metals	220.74
Other Inorganic Materials	11.39
Cellulosics	0.93
Rubber	1.78
Plastics	4.31
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.56E+00
Np-237	2.44E-06
Pu-238	2.94E-01
Pu-239	5.25E+00
Pu-240	1.19E+00
Pu-241	1.34E+01
Pu-242	1.13E-04
Th-229	4.86E-08
Th-230	4.05E-10
Th-232	2.18E-17
U-233	1.04E-04
U-234	1.11E-05
U-235	1.58E-06
U-236	1.76E-07
U-238	4.05E-06

Haz. Waste No(s).

D006, D007, D008, D009, D011, D028, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W296.330

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5110	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	NONSPECIAL SOURCE METAL:RH-Cert-repack					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.7	0.0	8.7
Current Form Total	8.7	0.0	8.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	12.5	0.0	12.5
Final Form Total	12.5	0.0	12.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	40.90
Aluminum-based Metals/Alloys	2.70
Other Metals	111.60
Other Inorganic Materials	13.10
Cellulosics	2.70
Rubber	1.20
Plastics	18.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.08E-01
Np-237	3.50E-06
Pu-238	2.23E-02
Pu-239	7.28E-01
Pu-240	1.65E-01
Pu-241	1.85E+00
Pu-242	1.19E-05
Th-229	2.09E-13
Th-230	1.01E-10
Th-232	3.91E-17
U-233	2.53E-10
U-234	1.22E-06
U-235	1.25E-07
U-236	8.80E-08
U-238	3.23E-14

Haz. Waste No(s).

D008, D028, D029, F001, F002, F003, F005

TRUCON Code(s)

117/217

Waste Stream Description

The waste comes from Rocky Flats Plant. It consists of the nonline- and line-generated wastes. The waste may be in the form of gloveboxes, glovebox windows, furnaces, lathes, drill presses, ducting, piping, angle iron, tanks, downdraft tables, part carriers, respirator filters, ultrasonic cleaners, control panels, electronic instrumentation, vacuum sweepers, pumps, motors, railing, stairs, metal racks and trays, hotplates, empty metal produce and paint cans, carts, power tools (saws, drills, etc.) hand tools (wrenches hammers, saws, chisels, gauges, etc.), chairs desks, tables, typewriters, filing cabinets, crushed 55-gallon drums, etc. The waste may also include limited amounts of cumbustible wastes. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead lined containers are included.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W296.331

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5112	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	NONSPECIAL SOURCE METAL:RH-Uncert			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.7	0.0	8.7
Current Form Total	8.7	0.0	8.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	12.5	0.0	12.5
Final Form Total	12.5	0.0	12.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	230.79
Aluminum-based Metals/Alloys	1.27
Other Metals	10.50
Other Inorganic Materials	0.49
Cellulosics	7.19
Rubber	0.20
Plastics	4.84
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.63E-01
Np-237	1.16E-05
Pu-238	7.44E-02
Pu-239	2.43E+00
Pu-240	5.50E-01
Pu-241	6.18E+00
Pu-242	3.97E-05
Th-229	6.94E-13
Th-230	3.38E-10
Th-232	1.31E-16
U-233	8.41E-10
U-234	4.08E-06
U-235	4.15E-07
U-236	2.94E-07
U-238	1.08E-13

Haz. Waste No(s).

D008, D028, D029, F001, F002, F003, F005

No TRUCON Codes Provided

Waste Stream Description

The waste comes from Rocky Flats Plant. It consists of the nonline- and line-generated wastes. The waste may be in the form of gloveboxes, glovebox windows, furnaces, lathes, drill presses, ducting, piping, angle iron, tanks, downdraft tables, part carriers, respirator filters, ultrasonic cleaners, control panels, electronic instrumentation, vacuum sweepers, pumps, motors, railing, stairs, metal racks and trays, hotplates, empty metal produce and paint cans, carts, power tools (saws, drills, etc.) hand tools (wrenches hammers, saws, chisels, gauges, etc.), chairs desks, tables, typewriters, filing cabinets, crushed 55-gallon drums, etc. The waste may also include limited amounts of cumbustible wastes. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead lined containers are included.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W298.318

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	TANTALUM:RH-Cert-repack			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.6	0.0	5.6
Current Form Total	5.6	0.0	5.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	8.0	0.0	8.0
Final Form Total	8.0	0.0	8.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	129.00
Aluminum-based Metals/Alloys	4.40
Other Metals	28.40
Other Inorganic Materials	14.60
Cellulosics	9.60
Rubber	1.00
Plastics	9.50
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.55E+00
Np-237	1.16E-05
Pu-238	3.69E-01
Pu-239	1.20E+01
Pu-240	2.73E+00
Pu-241	3.06E+01
Pu-242	1.97E-04
Th-229	2.09E-13
Th-230	1.68E-09
Th-232	6.47E-16
U-233	4.00E-10
U-234	2.02E-05
U-235	2.13E-07
U-236	1.46E-06
U-238	5.35E-13

Haz. Waste No(s).

D008, F001, F002

TRUCON Code(s)

117/217

Waste Stream Description

This waste comes from the Rocky Flats Plant. It consists of used tantalum crucibles, funnels, funnel inserts, and pour-rods. This waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Other metals may include tungsten, platinum, and lead. Some lead-lined containers are included.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W315.601

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3143	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	EVAPORATOR SALTS			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	11.0	0.0	11.0
Box - Misc	3.2	0.0	3.2
Current Form Total	14.2	0.0	14.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	5.7	0.0	5.7
TDOP w/ 10 - 55-gal Drums w/ Liners	28.7	0.0	28.7
Final Form Total	34.4	0.0	34.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.69
Aluminum-based Metals/Alloys	0.00
Other Metals	2.72
Other Inorganic Materials	7.70
Cellulosics	69.92
Rubber	0.00
Plastics	0.53
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.32E+01
Np-237	3.52E-04
Pu-238	2.54E-02
Pu-239	8.23E-01
Pu-240	1.87E-01
Pu-241	2.19E+00
Pu-242	1.34E-05
Th-229	6.94E-12
Th-230	1.03E-10
Th-232	3.95E-17
U-233	1.30E-08
U-234	1.31E-06
U-235	1.38E-08
U-236	9.42E-08
U-238	3.44E-14

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Waste is generated at Rocky Flats Plant from aqueous waste treatment in building 774. Waste consists of a salt residue generated from concentrating and drying liquid waste from the solar evaporation ponds. The approximate chemical makeup of the salt is 60% sodium nitrate, 30% potassium nitrate, and 10% miscellaneous. Limited amounts of other wastes such as surgeons' gloves, paper, rags, and metal may be found in the waste drums. Portland cement was added to damp or wet salt when necessary.

The majority or salt drums in storage at the INEL should be contaminated with <10 nCi/g TRU. Salt waste is no longer shipped to the INEL.

Since 1972, drums have been inspected for free liquids, proper packaging, and use of the proper content code. After inspection, approximately 1 to 2 quarts of Oil-Dri was placed on top of the outer sealed polyethylene drum bag.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W319.584

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	LEACHED RESIN:Direct Ship			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.2	0.0	1.2
Current Form Total	1.2	0.0	1.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
TDOP w/ 10 - 55-gal Drums w/o Liners	4.8	0.0	4.8
Final Form Total	4.8	0.0	4.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	8.15
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	10.48
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.70
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.80E-01
Np-237	1.20E-06
Pu-238	1.59E-01
Pu-239	5.02E+00
Pu-240	1.11E+00
Pu-241	9.13E+00
Pu-242	2.92E-04
Th-229	1.30E-14
Th-230	6.42E-10
Th-232	2.35E-16
U-233	3.14E-11
U-234	8.22E-06
U-235	8.41E-08
U-236	5.59E-07
U-238	7.49E-13

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste, generated at the Rocky Flats Plant, consists of anionic and cationic exchange resins used in the purification and recovery of plutonium and americium, respectively. It is believed that the resins were Content Code 430 resins tthat were processed by leaching to recover plutonium. Content code was used during 1972 only.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W321.1023

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	UNLEACHED ION COLUMN RESIN:Direct Ship			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.0	0.0	6.0
Current Form Total	6.0	0.0	6.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
TDOP w/ 10 - 55-gal Drums w/o Liners	9.6	0.0	9.6
Final Form Total	11.5	0.0	11.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	14.54
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	18.70
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	0.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.38E+00
Np-237	4.33E-06
Pu-238	5.74E-01
Pu-239	1.82E+01
Pu-240	4.01E+00
Pu-241	3.30E+01
Pu-242	5.90E-04
Th-229	4.71E-14
Th-230	2.32E-09
Th-232	8.50E-16
U-233	1.14E-10
U-234	2.97E-05
U-235	3.05E-07
U-236	2.02E-06
U-238	1.51E-12

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste, generated at the Rocky Flats Plant, consists of anionic and cationic exchange resins used in the purification and recovery of plutonium and americium, respectively. The anionic resins were DOWEX 1-X4 and the cationic resins were DOWEX 50W-X8, both being polystyrene-divinylbenzene copolymers.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W322.851

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5121	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SAMPLE FUEL:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	139.10
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	4.83E+00
Pu-240	9.98E-01
Th-232	2.11E-16
U-235	1.31E-04
U-236	5.04E-07

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at the INEL. These wastes include actinide neutron sources, a radium needle, small vials of fuel, and metal containers of experimental fuel capsules.

The organic content is less than 14 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15-gallon drums, and then placed in 55-gallon drums.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W322.952

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5121
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	SAMPLE FUEL:Cert-repack			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.5	0.0	1.5
Current Form Total	1.5	0.0	1.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
Final Form Total	1.7	0.0	1.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	421.30
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	1.46E+01
Pu-240	3.03E+00
Th-232	6.42E-16
U-235	3.96E-04
U-236	1.53E-06

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at the INEL. These wastes include actinide neutron sources, a radium needle, small vials of fuel, and metal containers of experimental fuel capsules.

The organic content is less than 14 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15-gallon drums, and then placed in 55-gallon drums.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W323.562

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	COMBUSTIBLE LAB WASTE:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	12.15
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.86
Cellulosics	70.39
Rubber	0.79
Plastics	7.03
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.83E-02
Np-237	8.91E-08
Pu-238	6.28E-01
Pu-239	1.32E-01
Pu-241	6.79E-01
Th-229	9.68E-16
Th-230	2.53E-09
U-233	2.33E-12
U-234	3.24E-05
U-235	5.07E-05

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at the Argonne National Laboratory-West at the INEL. Most of the waste is organic and combustible materials including paper, wood, PVC and plastic containers and items, rubber gaskets and gloves, leather, rags, towels, Q-tips, tubing, filter media, abrasive media, and metal pieces. Small residuals of moderators and fuel are trapped on the filters. One of the 28 total drums of Content Code 153 waste is stored at the Transuranic Storage Area (TSA) for contact-handled waste. The other 27 drums are stored at the intermediate level transuranic storage facility (ILTSF) for remote handled waste.

The organic content may exceed 14 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

Individual waste items may be loose or plastic bagged. Combustibles and noncombustibles are segregated to separate waste cans. Each can is weighed and assayed. The inner waste cans are loaded into an outer waste drum, along with a lead shield plug. Assays are done for each can and for the drums.

The waste stream is non-mixed, because the lead is shielding only and not considered part of waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W323.951

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	COMBUSTIBLE LAB WASTE:Uncertifiable			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Insert	1.5	0.0	1.5
Current Form Total	1.5	0.0	1.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1.5	0.0	1.5
Final Form Total	1.5	0.0	1.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	12.15
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.86
Cellulosics	70.39
Rubber	0.79
Plastics	7.03
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.04E-01
Np-237	9.56E-07
Pu-238	6.76E-02
Pu-239	1.43E+00
Pu-241	7.30E+00
Th-229	1.04E-14
Th-230	2.73E-10
U-233	2.51E-11
U-234	3.49E-06
U-235	5.48E-04

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at the Argonne National Laboratory-West at the INEL. Most of the waste is organic and combustible materials including paper, wood, PVC and plastic containers and items, rubber gaskets and gloves, leather, rags, towels, Q-tips, tubing, filter media, abrasive media, and metal pieces. Small residuals of moderators and fuel are trapped on the filters. One of the 28 total drums of Content Code 153 waste is stored at the Transuranic Storage Area (TSA) for contact-handled waste. The other 27 drums are stored at the intermediate level transuranic storage facility (ILTSF) for remote handled waste.

The organic content may exceed 14 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

Individual waste items may be loose or plastic bagged. Combustibles and noncombustibles are segregated to separate waste cans. Each can is weighed and assayed. The inner waste cans are loaded into an outer waste drum, along with a lead shield plug. Assays are done for each can and for the drums.

The waste stream is non-mixed, because the lead is shielding only and not considered part of waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W332.661

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	SOLIDIFIED SOLUTIONS:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.5	0.0	1.5
Current Form Total	1.5	0.0	1.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
TDOP w/ 10 - 55-gal Drums w/ Liners	4.8	0.0	4.8
Final Form Total	4.8	0.0	4.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	196.75
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	199.14
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.70
Packaging Material, Plastic	16.10
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	3.07E+00
Pu-239	2.49E-02
Th-230	1.24E-08
U-234	1.58E-04
U-235	4.17E-10

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste comes from Battelle Columbus Labs. It is a turco soap decontamination solution (used to decontaminate glove boxes from a Pu lab) which is solidified in plaster-of-paris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W337.673

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5121	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	AMERICIUM SOURCES:Cert-repack					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	2150.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	1.46E+01
Pu-240	3.03E+00
Th-232	6.42E-16
U-235	3.96E-04
U-236	1.53E-06

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste was generated at the Idaho National Engineering Laboratory. It consists of an americium neutron source. No other wastes were included in the drum.

The waste was placed in a carbon steel pipe which was centered in the 55-gallon drum. Cement was added to fill the annular space between the pipe and drum and encapsulate the pipe containing the source.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W337.957

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5121	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	AMERICIUM SOURCES:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	139.10
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	4.83E+00
Pu-240	9.98E-01
Th-232	2.11E-16
U-235	1.31E-04
U-236	5.04E-07

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste was generated at the Idaho National Engineering Laboratory. It consists of an americium neutron source. No other wastes were included in the drum.

The waste was placed in a carbon steel pipe which was centered in the 55-gallon drum. Cement was added to fill the annular space between the pipe and drum and encapsulate the pipe containing the source.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W342.652

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	MISCELLANEOUS SOURCES:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	111.26
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.39E+00
Np-237	1.34E-05
Pu-239	2.13E-02
Pu-240	1.06E-17
Pu-244	1.41E-14
Th-229	2.63E-13
U-233	4.94E-10
U-235	3.57E-10
U-236	1.54E-24

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at ANL-W. Based on engineering judgment, the waste was assigned to "Inorganic Homogeneous Solids." The waste is assumed to be metallic but of a size that is too small to qualify as debris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W342.953

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	MISCELLANEOUS SOURCES:Cert-repack			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	337.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.27E+00
Np-237	4.06E-05
Pu-239	6.45E-02
Pu-240	3.22E-17
Pu-244	4.28E-14
Th-229	7.99E-13
U-233	1.50E-09
U-235	1.08E-09
U-236	4.67E-24

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at ANL-W. Based on engineering judgment, the waste was assigned to "Inorganic Homogeneous Solids." The waste is assumed to be metallic but of a size that is too small to qualify as debris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W347.818

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	ABSORBED LIQUIDS:Direct Ship			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	22.3	0.0	22.3
Bin - Misc	45.5	0.0	45.5
Current Form Total	67.8	0.0	67.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	24.6	0.0	24.6
TDOP w/ 10 - 55-gal Drums w/ Liners	129.3	0.0	129.3
Final Form Total	153.9	0.0	153.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	63.97
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	137.01
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.45
Packaging Material, Plastic	13.72
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.70E-02
Np-237	9.51E-08
Pu-239	4.97E-01
Pu-240	8.83E-01
Th-229	1.87E-15
Th-230	2.33E-14
Th-232	1.86E-07
U-233	3.52E-12
U-234	3.04E-10
U-235	6.05E-07
U-236	4.46E-07
U-238	6.35E-06

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste comes from Argonne National Laboratory-East. It consists of liquids adjusted to pH 10 using NaOH which are then absorbed in vermiculite.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W348.1012

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3117
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	SAND, SLAG, AND CRUCIBLE HEELS:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	10.0	0.0	10.0
Current Form Total	10.0	0.0	10.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	3.8	0.0	3.8
TDOP w/ 10 - 55-gal Drums w/ Liners	19.2	0.0	19.2
Final Form Total	22.9	0.0	22.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	187.33
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	73.10
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.28E+00
Np-237	4.03E-06
Pu-238	5.30E-01
Pu-239	1.68E+01
Pu-240	3.70E+00
Pu-241	3.05E+01
Pu-242	6.67E-04
Th-229	4.42E-14
Th-230	2.14E-09
Th-232	7.85E-16
U-233	1.06E-10
U-234	2.74E-05
U-235	2.82E-07
U-236	1.87E-06
U-238	1.71E-12

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste consists of insoluble residue or "heel" generated from processing magnesium oxide sand and pulverized slag and magnesium oxide crucibles to remove above-discard amounts of plutonium. Respirable fines are thought to exceed the WIPP-WAC limits.

The waste stream handling and packaging is as follows: the dried heels were placed into 1/2 and 1-gallon PE bottles. Each bottle was double -bagged out the glovebox in PVC and PE bags. Each bottle was assayed and then placed in prepared 55-gallon drums, about 15-30 bottles per drum. Prior to 1972, the drums were lined with one or two PE bags, which were sealed with tape. Some of these drums may have cardboard liners inside the inner drum bag. After 1972, 90-mil sealed rigid liners were used in addition to one or two PE bags.

Since 1972, drums were inspected (and corrected where needed for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in february 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W353.917

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SOLIDIFIED SOLUTIONS:Cert-repack					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	461.00
Cellulosics	0.00
Rubber	0.00
Plastics	4.24
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Np-237	3.33E-04
Pu-239	1.20E-01
Th-229	1.95E-11
U-233	2.45E-08
U-235	2.01E-09

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream is from Bettis Atomic Power Laboratory. It consists of a single drum of TRU. No more information is available, but the waste is thought to be solidified inorganic solutions.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W357.1022

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S3111
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	FLUID BED ASH:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
Current Form Total	1.7	0.0	1.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
TDOP w/ 10 - 55-gal Drums w/ Liners	4.8	0.0	4.8
Final Form Total	4.8	0.0	4.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.04
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	3.39
Cellulosics	5.03
Rubber	0.00
Plastics	0.78
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.70
Packaging Material, Plastic	16.10
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.19E-02
Np-237	3.75E-08
Pu-238	4.97E-03
Pu-239	1.57E-01
Pu-240	3.46E-02
Pu-241	2.86E-01
Pu-242	7.13E-06
Th-229	4.08E-16
Th-230	2.00E-11
Th-232	7.34E-18
U-233	9.84E-13
U-234	2.56E-07
U-235	2.63E-09
U-236	1.75E-08
U-238	1.83E-14

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste , generated at the Rocky Flats Plant,consists of ash generated from the experimental pilot and demonstration fluid bed incinerator plants. Combustibles used for experiments were contaminated with low levels of Pu. Ash is packaged in standard RFP drums. Drums were assayed and fissile quantities calculated.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W358.854

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5420	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	PU NEUTRON SOURCES:RH Direct Ship			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	31.76
Aluminum-based Metals/Alloys	0.26
Other Metals	0.03
Other Inorganic Materials	0.79
Cellulosics	26.71
Rubber	2.41
Plastics	21.43
Cements	2150.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	2.01E+02
Pu-239	9.97E-01
Pu-240	1.92E+00
Th-230	3.28E-07
Th-232	1.70E-16
U-234	6.55E-03
U-235	1.08E-08
U-236	6.26E-07

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of noncombustible materials including Pu-Be neutron sources (small fuel samples, small sections of moderator, a pu standard, and pu foil), tools, hot cell operating equipment, various containers, and ferrous and nonferrous metals. Some combustible materials may include paper, plastic and PVC containers, rags, Q-tips, string mop heads, and an electrical plug strip and cord.

The organic content is less than 14 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15 gallon drums, and then placed in 55-gallon drums. Some individual items may be unbagged.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W358.855

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5420	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	PU NEUTRON SOURCES:CH-Cert-repack					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Bin - Misc	3.5	0.0	3.5
Current Form Total	3.5	0.0	3.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.3	0.0	3.3
Final Form Total	3.3	0.0	3.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	0.10
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.30
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	6.09E+02
Pu-239	3.02E+00
Pu-240	5.80E+00
Th-230	9.97E-07
Th-232	5.14E-16
U-234	1.99E-02
U-235	3.27E-08
U-236	1.89E-06

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of noncombustible materials including Pu-Be neutron sources (small fuel samples, small sections of moderator, a pu standard, and pu foil), tools, hot cell operating equipment, various containers, and ferrous and nonferrous metals. Some combustible materials may include paper, plastic and PVC containers, rags, Q-tips, string mop heads, and an electrical plug strip and cord.

The organic content is less than 14 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15 gallon drums, and then placed in 55-gallon drums. Some individual items may be unbagged.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W358.948

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5420
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	PU NEUTRON SOURCES:CH-Uncertifiable			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	0.10
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.30
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	2.03E+03
Pu-239	1.01E+01
Pu-240	1.93E+01
Th-230	3.32E-06
Th-232	1.71E-15
U-234	6.62E-02
U-235	1.09E-07
U-236	6.31E-06

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of noncombustible materials including Pu-Be neutron sources (small fuel samples, small sections of moderator, a pu standard, and pu foil), tools, hot cell operating equipment, various containers, and ferrous and nonferrous metals. Some combustible materials may include paper, plastic and PVC containers, rags, Q-tips, string mop heads, and an electrical plug strip and cord.

The organic content is less than 14 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15 gallon drums, and then placed in 55-gallon drums. Some individual items may be unbagged.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W358.949

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5420
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	PU NEUTRON SOURCES:RH-Cert-repack			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.2	0.0	1.2
RH Insert	0.2	0.0	0.2
Current Form Total	1.5	0.0	1.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	10.7	0.0	10.7
Final Form Total	10.7	0.0	10.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	55.60
Aluminum-based Metals/Alloys	0.46
Other Metals	0.06
Other Inorganic Materials	1.39
Cellulosics	46.76
Rubber	4.22
Plastics	37.51
Cements	2150.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	4.27E+02
Pu-239	2.12E+00
Pu-240	4.07E+00
Th-230	6.99E-07
Th-232	3.60E-16
U-234	1.39E-02
U-235	2.30E-08
U-236	1.33E-06

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of noncombustible materials including Pu-Be neutron sources (small fuel samples, small sections of moderator, a pu standard, and pu foil), tools, hot cell operating equipment, various containers, and ferrous and nonferrous metals. Some combustible materials may include paper, plastic and PVC containers, rags, Q-tips, string mop heads, and an electrical plug strip and cord.

The organic content is less than 14 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15 gallon drums, and then placed in 55-gallon drums. Some individual items may be unbagged.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W361.1021

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S3111	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	SOOT:Direct Ship			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.2	0.0	5.2
Current Form Total	5.2	0.0	5.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	9.6	0.0	9.6
Final Form Total	11.5	0.0	11.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.21
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	3.94
Cellulosics	5.84
Rubber	0.00
Plastics	0.91
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.84E-01
Np-237	1.53E-06
Pu-238	2.01E-01
Pu-239	6.37E+00
Pu-240	1.41E+00
Pu-241	1.16E+01
Pu-242	2.48E-04
Th-229	1.68E-14
Th-230	8.11E-10
Th-232	2.98E-16
U-233	4.04E-11
U-234	1.04E-05
U-235	1.07E-07
U-236	7.10E-07
U-238	6.36E-13

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste, generated at the Rocky Flats Plant, consists of flyash generated from periodic cleaning of the Pu recovery incinerator off-gas system. Ash is packaged in 1- and 2-quart PE bottles and then in standard RFP fashion in drums. Drums will hold up to 50 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W362.1020

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S3111
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	ASH HEELS:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	21.4	0.0	21.4
Current Form Total	21.4	0.0	21.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	7.6	0.0	7.6
TDOP w/ 10 - 55-gal Drums w/ Liners	38.3	0.0	38.3
Final Form Total	45.9	0.0	45.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.25
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	4.05
Cellulosics	6.01
Rubber	0.00
Plastics	0.94
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.57E+00
Np-237	4.94E-06
Pu-238	6.56E-01
Pu-239	2.08E+01
Pu-240	4.58E+00
Pu-241	3.77E+01
Pu-242	7.88E-04
Th-229	5.37E-14
Th-230	2.65E-09
Th-232	9.71E-16
U-233	1.30E-10
U-234	3.38E-05
U-235	3.49E-07
U-236	2.31E-06
U-238	2.02E-12

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste, generated at the Rocky Flats Plant, consists of ash heels generated from the recovery of Pu from incinerator ash. Ash is packaged in 0.5-and 1-gallon PE bottles and then in standard RFP fashion in drums. Drums will hold up to 25 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W363.1019

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S3111	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	VIRGIN INCINERATOR ASH:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
Current Form Total	2.3	0.0	2.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
TDOP w/ 10 - 55-gal Drums w/ Liners	4.8	0.0	4.8
Final Form Total	4.8	0.0	4.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.39
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	4.54
Cellulosics	6.73
Rubber	0.00
Plastics	1.05
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.70
Packaging Material, Plastic	16.10
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.07E-01
Np-237	2.23E-06
Pu-238	2.95E-01
Pu-239	9.38E+00
Pu-240	2.06E+00
Pu-241	1.70E+01
Pu-242	3.18E-04
Th-229	2.42E-14
Th-230	1.19E-09
Th-232	4.36E-16
U-233	5.84E-11
U-234	1.53E-05
U-235	1.57E-07
U-236	1.04E-06
U-238	8.16E-13

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste, generated at the Rocky Flats Plant, consists of ash generated in the Pu recovery incinerator. Ash is packaged in 0.5- and 1-gallon PE bottles and then in standard RFP fashion in drums. Drums will hold up to 25 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W364.1011

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5190
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	SAND, SLAG AND CRUCIBLES:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.5	0.0	1.5
Current Form Total	1.5	0.0	1.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
TDOP w/ 10 - 55-gal Drums w/ Liners	4.8	0.0	4.8
Final Form Total	4.8	0.0	4.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	146.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.70
Packaging Material, Plastic	16.10
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.17E+00
Np-237	3.67E-06
Pu-238	4.87E-01
Pu-239	1.54E+01
Pu-240	3.39E+00
Pu-241	2.80E+01
Pu-242	7.89E-04
Th-229	3.99E-14
Th-230	1.96E-09
Th-232	7.19E-16
U-233	9.63E-11
U-234	2.51E-05
U-235	2.58E-07
U-236	1.71E-06
U-238	2.02E-12

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Specific information is not available for this content code. The waste stream is thought to be similar to content code 391, crucibles and sand. The operation which generated the waste is unknown. The waste packaging and handling procedures are unknown, although the waste form is thought to similar to content code 391.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W365.1010

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5190	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CRUCIBLES AND SAND:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.8	0.0	4.8
Current Form Total	4.8	0.0	4.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	9.6	0.0	9.6
Final Form Total	11.5	0.0	11.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	175.57
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.12
Packaging Material, Plastic	13.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.06E+01
Np-237	1.70E-04
Pu-238	1.62E-01
Pu-239	5.13E+00
Pu-240	1.13E+00
Pu-241	9.31E+00
Pu-242	2.17E-04
Th-229	3.33E-12
Th-230	6.53E-10
Th-232	2.39E-16
U-233	6.26E-09
U-234	8.35E-06
U-235	8.60E-08
U-236	5.69E-07
U-238	5.57E-13

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste consists of broken magnesium oxide crucibles and limited amounts of magnesium oxide sand, used in a molten salt cleanup project when reducing plutonium tetrafluoride to plutonium metal. Above-discard levels of plutonium were recovered from these crucibles by nitric acid leaching.

The waste stream handling and packaging is as follows: the crucibles were placed into 1-gallon PE bottles. Each bottle was double-bagged out the glovebox in PVC and PE bags. Each bottle was assayed and the placed in prepared 55 gallon drums, about 12-16 bottles per drum. Some of the drums were lead-lined. Prior to 1972, the drums were lined with one or two PE bags, which were sealed with tape. Some of the drums may have cardboard liners inside of the inner liner. After 1972, 90-mil sealed rigid liners were used in addition to one or two PE bags.

Since 1972, drums were inspected (and corrected where needed) for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in February 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W366.841

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5190
Source Cat.	Analytical Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	LECO CRUCIBLES:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.5	0.0	7.5
Current Form Total	7.5	0.0	7.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	14.4	0.0	14.4
Final Form Total	16.3	0.0	16.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	194.07
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	210.24
Packaging Material, Plastic	14.37
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.07E-01
Np-237	1.15E-06
Pu-238	9.71E-02
Pu-239	3.06E+00
Pu-240	6.73E-01
Pu-241	5.56E+00
Pu-242	1.18E-04
Th-229	1.63E-14
Th-230	3.91E-10
Th-232	1.43E-16
U-233	3.48E-11
U-234	5.01E-06
U-235	5.13E-08
U-236	3.39E-07
U-238	3.03E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

This waste stream includes blank LECO crucibles and caps used for sample analysis. The crucibles are 1 inch high by 1 inch diameter, made of fired silica based ceramic. The crucibles were used to calibrate the LECO anlayzer, and contain fused amounts of accelerating metals (iron, tin, copper, titanium, stainless steel, etc.) used for blank calibration. The crucibles should be unbroken except for those generated prior to 1975, which were broken before packaging. Even when broken, there should be minimal respirable or dispersable fines which would not exceed the WIPP-WAC.

The waste stream handling and packaging is as follows: blank crucibles and caps were placed into 1-gallon metal paint cans, about 150-200 per can. The can lid was placed and sealed with tape. each paint can was double-bagged out the glovebox in PVC or PE-PVC bags and placed in prepared 55-gallon drums, about 20-25 cans per drum. Prior to 1972, 90-mil sealed rigid liners were used in addition to the two PE bags.

Since 1972, drums were inspected (and corrected where needed) for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in February 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W372.832

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	MET SAMPLES FISSILE:Direct Ship					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	111.26
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.39E+00
Np-237	1.34E-05
Pu-239	2.13E-02
Pu-240	1.06E-17
Pu-244	1.41E-14
Th-229	2.63E-13
U-233	4.94E-10
U-235	3.57E-10
U-236	1.54E-24

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W372.918

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S3100	**Handling**	RH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	MET SAMPLES FISSILE:RH-Cert-repack					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	0.0	2.9
Current Form Total	2.9	0.0	2.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	4.5	0.0	4.5
Final Form Total	4.5	0.0	4.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	270.87
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.48E-02
Cs-137	4.27E-02
Np-237	1.25E-07
Pu-238	2.86E-02
Pu-239	8.20E-04
Th-229	1.03E-15
Th-230	4.68E-11
U-233	2.98E-12
U-234	9.33E-07
U-235	8.89E-12

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W375.1096

Appendix A

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3122
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	SLUDGE:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	62.8	0.0	62.8
Box - Misc	25.4	0.0	25.4
Current Form Total	88.2	0.0	88.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	32.1	0.0	32.1
TDOP w/ 10 - 55-gal Drums w/ Liners	167.7	0.0	167.7
Final Form Total	199.8	0.0	199.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	96.11
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	57.66
Inorganic Matrix	86.53
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	207.37
Packaging Material, Plastic	13.70
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.98E-03
Np-237	2.20E-08
Pu-238	2.91E-03
Pu-239	9.23E-02
Pu-240	2.04E-02
Pu-241	1.68E-01
Pu-242	3.70E-06
Th-229	2.39E-16
Th-230	1.17E-11
Th-232	4.31E-18
U-233	5.76E-13
U-234	1.50E-07
U-235	1.55E-09
U-236	1.03E-08
U-238	9.49E-15

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream, generated at the Rocky Flats Plant, is sewage sludge from cleaning stabilization ponds. This waste also contains a limited number of drums containing sludge generated by plutonium recovery operations. The sludge may be moist or dry, and may consist of fines, chunks or pieces of dried cake. Shipment of sewer sludge to the INEL stopped in 1976.

There are high levels of fines. In addition the drums may contain free liquids. The sewage sludge should contain less than 10 nCi/g TRU elements. The portion of the waste that is suspected to be TRU is addressed by this waste stream. Organic content in the sludge is not known. No free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste.

Sewer sludge was placed directly into prepared 55-gallon drums until 1974. Drums were prepared according to pre and post-1972 procedures. Portland cement was added to the bottom and top of the inner bag. If the sludge was moist, portland cement was also added in layers with the sludge. Since 1974, packaging was changed to 4 x 4 x 7 ft fiberglass-reinforced polyester (FRP) coated plywood boxes due to the pressure buildup in the drums. Each box was lined with a PE bag and a cardboard liner. About 90 lb of portland cement was added to the bottom and top of each box. Fissile content of the sewage was determined by radiochemical analysis of sludge samples.

Waste Stream ID: KA-T001

Appendix A

TRU Waste Inventory Profile Report

Site	Knolls Atomic Power Laboratory - Schenectady	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Transuranic Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
5-gal Can	2.0	4.9	6.9
Current Form Total	2.0	4.9	6.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	30.3	72.1	102.4
Final Form Total	30.3	72.1	102.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	98.20
Aluminum-based Metals/Alloys	0.60
Other Metals	0.10
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.30
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.37E-04
Am-243	5.57E-07
Cm-244	1.37E-05
Cs-137	7.42E-01
Np-237	9.00E-06
Pu-238	2.90E-02
Pu-239	7.99E-05
Pu-240	2.00E-05
Pu-241	2.34E-03
Pu-242	7.63E-08
Pu-244	1.81E-14
Sr-90	7.05E-01
Th-229	1.17E-11
Th-230	1.65E-08
Th-232	4.38E-13
U-233	4.26E-09
U-234	5.12E-05
U-235	7.61E-07
U-236	7.22E-06
U-238	3.34E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Organic and inorganic particulate and debris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: KA-W016

Appendix A

TRU Waste Inventory Profile Report

Site	Knolls Atomic Power Laboratory - Schenectady	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Transuranic Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
5-gal Can	0.0	0.5	0.5
Current Form Total	0.0	0.5	0.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.0	8.0	8.0
Final Form Total	0.0	8.0	8.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	98.20
Aluminum-based Metals/Alloys	0.60
Other Metals	0.10
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.30
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.37E-04
Am-243	5.57E-07
Cm-244	1.37E-05
Cs-137	7.42E-01
Np-237	9.00E-06
Pu-238	2.90E-02
Pu-239	7.99E-05
Pu-240	2.00E-05
Pu-241	2.34E-03
Pu-242	7.63E-08
Pu-244	1.81E-14
Sr-90	7.05E-01
Th-229	1.17E-11
Th-230	1.65E-08
Th-232	4.38E-13
U-233	4.26E-09
U-234	5.12E-05
U-235	7.61E-07
U-236	7.22E-06
U-238	3.34E-09

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D035, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

325

Waste Stream Description

This transuranic mixed waste has not yet been generated. Waste will be segregated to the extent possible (considering ALARA) into inorganic, organic and heterogeneous waste streams and packaged separately. Details of waste characteristics will be developed upon generation. This waste stream will not be moratorium waste.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: KN-B234PCBTRU

Appendix A

TRU Waste Inventory Profile Report

Site	Knolls Atomic Power Laboratory - Nuclear Fuel Services	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Building 234 PCB TRU Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.70
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	2.10
Rubber	21.50
Plastics	2.20
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.60E-02
Np-237	2.06E-08
Pu-238	2.60E-03
Pu-239	3.18E-02
Pu-240	1.07E-02
Pu-241	4.64E-02
Pu-242	1.15E-06
Th-229	1.71E-08
Th-230	1.10E-10
Th-232	8.29E-08
U-233	4.55E-05
U-234	3.07E-06
U-235	1.45E-07
U-236	1.27E-09
U-238	1.66E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

This waste is non-mixed debris from Building 234. The debris consists of metal chips/shavings, dust, cheesecloth, gloves, and plastic bottles from the cleanout of the shear baler used to decommission process equipment and glove boxes. It also includes rubber gasket material used to install glove boxes.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: KN-B234TRU

Appendix A

TRU Waste Inventory Profile Report

Site	Knolls Atomic Power Laboratory - Nuclear Fuel Services	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Building 234 TRU Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1.7	124.8	126.5
Current Form Total	1.7	124.8	126.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1.7	124.8	126.5
Final Form Total	1.7	124.8	126.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	35.70
Aluminum-based Metals/Alloys	2.60
Other Metals	0.00
Other Inorganic Materials	33.60
Cellulosics	5.10
Rubber	0.30
Plastics	31.50
Cements	2270.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	68.60
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.53E-01
Np-237	4.55E-07
Pu-238	5.73E-02
Pu-239	7.04E-01
Pu-240	2.37E-01
Pu-241	1.02E+00
Pu-242	1.83E-06
Th-229	2.52E-08
Th-230	1.82E-10
Th-232	1.30E-07
U-233	6.72E-05
U-234	5.38E-06
U-235	2.28E-07
U-236	2.81E-08
U-238	1.79E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

This waste is non-hazardous debris and soil from Building 234. All process equipment and glove boxes were removed in the early 1990s and are not part of this waste stream. The debris consists of concrete block, metal, PPE, plywood, plexiglass, plastic, HEPA filters, piping, duct work, glass, cheese cloth, paper, rubber and small tools.

Waste Stream ID: LA-LAMHD01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Debris waste includes paper, rags, plastic, rubber, wood-based HEPA filters					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	202.0	0.0	202.0
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	34.5	0.0	34.5
SWB w/ 4 - 55-gal Drums w/ Liners	17.0	0.0	17.0
Current Form Total	253.4	0.0	253.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	224.2	0.0	224.2
SWB w/ 4 - 55-gal Drums w/ Liners	17.0	0.0	17.0
Final Form Total	241.2	0.0	241.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	111.68
Aluminum-based Metals/Alloys	0.45
Other Metals	13.39
Other Inorganic Materials	72.43
Cellulosics	9.24
Rubber	13.86
Plastics	42.76
Cements	0.00
Inorganic Matrix	1.78
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	136.46
Packaging Material, Plastic	35.54
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.28E+00
Am-243	1.30E-04
Cm-244	1.19E-04
Cs-137	1.48E-07
Np-237	4.98E-05
Pu-238	7.21E+00
Pu-239	2.82E+01
Pu-240	6.91E+00
Pu-241	3.45E+01
Pu-242	1.41E-02
Pu-244	1.26E-08
Sr-90	1.49E-07
Th-229	1.08E-06
Th-230	1.62E-07
Th-232	3.61E-09
U-233	4.25E-04
U-234	9.63E-04
U-235	2.49E-06
U-236	5.63E-06
U-238	2.95E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

Debris waste includes paper, rags, plastic, rubber, wood-based HEPA filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LAMHD02238

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	MIXED HETEROGENEOUS DEBRIS WASTE, PU-238			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.4	46.6	52.0
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	7.3	46.6	53.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.4	46.6	52.0
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	7.3	46.6	53.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	64.43
Aluminum-based Metals/Alloys	0.26
Other Metals	7.72
Other Inorganic Materials	41.79
Cellulosics	5.33
Rubber	8.00
Plastics	24.67
Cements	0.00
Inorganic Matrix	1.03
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	133.62
Packaging Material, Plastic	36.27
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.30E-02
Np-237	3.00E-08
Pu-238	5.22E+01
Pu-239	3.47E-02
Pu-240	1.77E-02
Pu-241	8.77E-01
Pu-242	1.51E-05
Th-229	1.77E-17
Th-230	4.85E-08
Th-232	1.16E-19
U-233	1.91E-13
U-234	2.02E-03
U-235	1.03E-10
U-236	1.57E-09
U-238	6.84E-15

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D028, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

MIXED HETEROGENEOUS DEBRIS WASTE, PU-238

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LAMHD03

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	MIXED HETEROGENEOUS DEBRIS WASTE, D&D, COMBUSTIBLE/NON COMBUSTIBLE			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.6	0.0	5.6
Current Form Total	5.6	0.0	5.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.6	0.0	5.6
Final Form Total	5.6	0.0	5.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	22.39
Aluminum-based Metals/Alloys	0.00
Other Metals	7.45
Other Inorganic Materials	36.09
Cellulosics	28.97
Rubber	2.93
Plastics	85.25
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.06E+00
Am-243	1.73E-06
Np-237	1.94E-05
Pu-238	3.66E+01
Pu-239	1.52E+00
Pu-240	3.82E-01
Pu-241	1.78E+00
Pu-242	2.44E-04
Pu-244	1.55E-10
Th-229	1.86E-12
Th-230	4.31E-07
Th-232	2.64E-16
U-233	1.69E-09
U-234	3.29E-03
U-235	4.66E-07
U-236	3.53E-07
U-238	5.15E-08

Haz. Waste No(s).

D008, F001, F002

TRUCON Code(s)

125/225

Waste Stream Description

MIXED HETEROGENEOUS DEBRIS WASTE, D&D, COMBUSTIBLE/NON COMBUSTIBLE

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LAMIN02V

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Mixed Inorganic Homogeneous Waste, Organics on Vermiculite.					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	5.4	6.4
Current Form Total	1.0	5.4	6.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	5.4	6.4
Final Form Total	1.0	5.4	6.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.01
Cellulosics	0.00
Rubber	0.00
Plastics	0.46
Cements	0.00
Inorganic Matrix	85.47
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.31E-01
Np-237	5.74E-07
Pu-238	2.60E-01
Pu-239	9.02E+00
Pu-240	2.14E+00
Pu-241	2.82E+01
Pu-242	1.21E-04
Th-229	1.52E-16
Th-230	1.34E-11
Th-232	6.27E-18
U-233	2.46E-12
U-234	1.48E-06
U-235	1.78E-08
U-236	1.27E-07
U-238	3.65E-14

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

112/212

Waste Stream Description

Mixed Inorganic Homogeneous Waste, Organics on Vermiculite.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LAMIN03NC

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	MIXED INORGANIC HOMOGENEOUS WASTE, NONCEMENTED					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
55-gal POC - 12" w/ Liner	0.4	0.0	0.4
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
55-gal POC - 12" w/ Liner	0.4	0.0	0.4
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.18
Cements	0.00
Inorganic Matrix	34.23
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	395.20
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	91.67
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.27E+00
Np-237	7.18E-07
Pu-238	6.72E-01
Pu-239	2.31E+01
Pu-240	5.49E+00
Pu-241	7.59E+01
Pu-242	3.10E-04
Th-229	4.82E-17
Th-230	8.62E-12
Th-232	4.02E-18
U-233	1.55E-12
U-234	1.91E-06
U-235	2.28E-08
U-236	1.63E-07
U-238	4.69E-14

Haz. Waste No(s).

D005, D006, D007, D008, D009, D010, D011

TRUCON Code(s)

124/224

Waste Stream Description

MIXED INORGANIC HOMOGENEOUS WASTE, NONCEMENTED

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LAMIN04S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	INORGANIC HOMOGENEOUS WASTE					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.1	40.4	47.4
55-gal POC - 12" w/ Liner	2.7	0.0	2.7
Current Form Total	9.8	40.4	50.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.1	40.4	47.4
55-gal POC - 12" w/ Liner	2.7	0.0	2.7
Final Form Total	9.8	40.4	50.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.26
Cements	0.00
Inorganic Matrix	48.02
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	152.19
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	7.42
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.38E+00
Np-237	4.66E-06
Pu-238	1.36E+00
Pu-239	3.16E+01
Pu-240	8.09E+00
Pu-241	1.19E+02
Pu-242	5.02E-03
Pu-244	2.45E-09
Th-229	1.25E-15
Th-230	7.00E-11
Th-232	2.37E-17
U-233	2.01E-11
U-234	7.75E-06
U-235	6.24E-08
U-236	4.80E-07
U-238	1.51E-12

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005, F006

TRUCON Code(s)

124/224

Waste Stream Description

INORGANIC HOMOGENEOUS WASTE

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LA-NCD01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Non-Mixed Combustible Debris Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.4	55.5	59.9
55-gal POC - 12" w/ Liner	0.2	0.0	0.2
Current Form Total	4.6	55.5	60.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.4	55.5	59.9
55-gal POC - 12" w/ Liner	0.2	0.0	0.2
Final Form Total	4.6	55.5	60.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	43.60
Aluminum-based Metals/Alloys	0.18
Other Metals	5.23
Other Inorganic Materials	28.27
Cellulosics	3.61
Rubber	5.41
Plastics	16.69
Cements	0.00
Inorganic Matrix	0.69
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	132.17
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.48
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.60E-01
Am-243	2.12E-06
Np-237	1.50E-05
Pu-238	4.40E+00
Pu-239	3.76E+00
Pu-240	9.09E-01
Pu-241	1.10E+01
Pu-242	5.52E-05
Th-229	2.70E-14
Th-230	1.64E-09
Th-232	5.99E-18
U-233	1.93E-10
U-234	7.97E-05
U-235	3.82E-05
U-236	8.09E-08
U-238	4.71E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Non-Mixed Combustible Debris Waste

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LANHD01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	NON-MIXED HETEROGENEOUS DEBRIS WASTE					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.6	34.1	39.7
Current Form Total	5.6	34.1	39.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.6	34.1	39.7
Final Form Total	5.6	34.1	39.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	102.78
Aluminum-based Metals/Alloys	0.42
Other Metals	12.32
Other Inorganic Materials	66.65
Cellulosics	8.51
Rubber	12.76
Plastics	39.35
Cements	0.00
Inorganic Matrix	1.64
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.47E+00
Np-237	7.63E-06
Pu-238	4.22E+00
Pu-239	9.30E+00
Pu-240	2.21E+00
Pu-241	1.28E+01
Pu-242	1.27E-04
Th-229	1.69E-13
Th-230	1.45E-07
Th-232	5.84E-16
U-233	2.94E-10
U-234	9.67E-04
U-235	1.22E-06
U-236	1.24E-06
U-238	1.22E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

NON-MIXED HETEROGENEOUS DEBRIS WASTE

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LANHD02238

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	NON-MIXED HETEROGENEOUS DEBRIS WASTE, PU238					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	35.2	285.4	320.5
55-gal POC - 12" w/ Liner	0.2	0.0	0.2
Current Form Total	35.4	285.4	320.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	35.2	285.4	320.5
55-gal POC - 12" w/ Liner	0.2	0.0	0.2
Final Form Total	35.4	285.4	320.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	30.03
Aluminum-based Metals/Alloys	0.12
Other Metals	3.60
Other Inorganic Materials	19.47
Cellulosics	2.49
Rubber	3.73
Plastics	11.50
Cements	0.00
Inorganic Matrix	0.48
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	131.06
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.09
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.14E-01
Am-243	4.63E-08
Np-237	1.17E-06
Pu-238	1.30E+02
Pu-239	9.27E-02
Pu-240	4.69E-02
Pu-241	1.51E+00
Pu-242	3.96E-05
Th-229	3.03E-14
Th-230	6.95E-07
Th-232	5.81E-18
U-233	5.35E-11
U-234	8.41E-03
U-235	1.19E-09
U-236	1.81E-08
U-238	7.76E-14

Haz. Waste No(s).

D005, D006, D007, D008, D009, D010, D011

TRUCON Code(s)

125/225

Waste Stream Description

NON-MIXED HETEROGENEOUS DEBRIS WASTE, PU238

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LANIN03NC

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	NON-CEMENTED SOLID INORGANIC (HOMOGENEOUS)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	26.4	140.4	166.8
55-gal POC - 12" w/ Liner	5.4	0.0	5.4
Current Form Total	31.8	140.4	172.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	26.4	140.4	166.8
55-gal POC - 12" w/ Liner	5.4	0.0	5.4
Final Form Total	31.8	140.4	172.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	86.37
Aluminum-based Metals/Alloys	0.35
Other Metals	10.35
Other Inorganic Materials	56.01
Cellulosics	7.15
Rubber	10.72
Plastics	33.07
Cements	0.00
Inorganic Matrix	1.38
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	143.25
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	4.32
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.19E+00
Am-243	2.91E-03
Np-237	8.67E-04
Pu-238	3.04E+01
Pu-239	3.32E+01
Pu-240	8.21E+00
Pu-241	1.15E+02
Pu-242	5.94E-04
Th-229	7.07E-13
Th-230	1.57E-09
Th-232	2.41E-17
U-233	7.55E-09
U-234	1.74E-04
U-235	6.56E-08
U-236	4.87E-07
U-238	1.79E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

124/224, 125/225

Waste Stream Description

NON-CEMENTED SOLID INORGANIC (HOMOGENEOUS)

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-MHD01.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-LA-MHD01.001	186.4
55-gal Drum Dir Ld w/o Liner	WP-LA-MHD01.001	215.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-LA-MHD01.001	77.5
SWB w/ 4 - 55-gal Drums w/o Liners	WP-LA-MHD01.001	7.6
Shipped Total		487.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	89.93
Aluminum-based Metals/Alloys	0.32
Other Metals	10.63
Other Inorganic Materials	54.57
Cellulosics	7.46
Rubber	10.79
Plastics	33.73
Cements	0.00
Inorganic Matrix	1.28
Organic Matrix	0.05
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.99E+00
Am-243	1.73E-03
Cm-244	6.49E-03
Cs-137	1.52E-06
Np-237	3.42E-04
Pu-238	7.98E+00
Pu-239	8.45E+01
Pu-240	3.96E+00
Pu-241	5.51E+02
Pu-242	2.98E-03
Sr-90	2.01E-03
Th-229	9.79E-08
Th-230	1.74E-05
Th-232	9.27E-09
U-233	1.04E-03
U-234	1.47E-03
U-235	4.78E-06
U-236	1.17E-07
U-238	4.51E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F005

TRUCON Code(s)

116/216, 117/217, 123/223, 125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-MHD02.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-LA-MHD02.001	5.0
55-gal Drum Dir Ld w/o Liner	WP-LA-MHD02.001	8.5
Shipped Total		13.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	78.72
Aluminum-based Metals/Alloys	0.00
Other Metals	3.17
Other Inorganic Materials	17.11
Cellulosics	3.40
Rubber	25.27
Plastics	31.33
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.32E-01
Am-243	2.96E-06
Cs-137	1.80E-07
Np-237	6.12E-06
Pu-238	1.32E+02
Pu-239	1.03E-01
Pu-240	5.19E-02
Pu-241	5.04E-01
Pu-242	5.31E-05
Sr-90	1.81E-07
U-233	1.89E-07
U-234	2.45E-02
U-235	4.68E-08

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F005

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-MHD02238

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	MIXED HETEROGENEOUS DEBRIS WASTE PU-238.			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	185.20
Aluminum-based Metals/Alloys	0.75
Other Metals	22.20
Other Inorganic Materials	120.11
Cellulosics	15.33
Rubber	22.99
Plastics	70.91
Cements	0.00
Inorganic Matrix	2.95
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.32E-02
Np-237	2.00E-08
Pu-238	6.87E+01
Pu-239	4.19E-02
Pu-240	2.14E-02
Pu-241	1.42E+00
Pu-242	1.72E-05
Th-229	5.25E-18
Th-230	3.55E-09
Th-232	6.26E-20
U-233	8.50E-14
U-234	3.93E-04
U-235	8.26E-11
U-236	1.27E-09
U-238	5.18E-15

Haz. Waste No(s).

D005, D006, D007, D008, D009, D010, D011

TRUCON Code(s)

125/225

Waste Stream Description

MIXED HETEROGENEOUS DEBRIS WASTE PU-238.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-MHD03.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-LA-MHD03.001	0.2
55-gal Drum Dir Ld w/o Liner	WP-LA-MHD03.001	46.8
Shipped Total		47.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.76
Aluminum-based Metals/Alloys	0.00
Other Metals	1.79
Other Inorganic Materials	29.17
Cellulosics	19.46
Rubber	1.31
Plastics	56.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.20E-01
Am-243	6.60E-05
Cs-137	4.12E-05
Np-237	6.28E-05
Pu-238	1.20E+00
Pu-239	5.33E-01
Pu-240	1.51E-01
Pu-241	2.41E+00
Pu-242	5.47E-05
Sr-90	4.12E-05
U-234	1.60E-04
U-235	5.30E-07
U-238	3.20E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D026, D027, D028, D029, D030, D035, D036, D037, D038, D039, D040, D043, F001, F002, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-MIN03-NC.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-LA-MIN03-NC.001	235.5
SWB w/ 4 - 55-gal Drums w/ Liners	WP-LA-MIN03-NC.001	13.2
Shipped Total		248.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.94
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.68
Cellulosics	0.00
Rubber	0.00
Plastics	3.86
Cements	0.00
Inorganic Matrix	718.04
Organic Matrix	1.34
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.39E-01
Am-243	1.18E-06
Cs-137	1.45E-04
Np-237	7.42E-06
Pu-238	2.44E-02
Pu-239	4.33E-01
Pu-240	6.34E-02
Pu-241	1.03E+00
Pu-242	6.36E-05
Sr-90	1.10E-04
Th-229	7.28E-14
Th-230	3.45E-10
Th-232	4.64E-20
U-233	7.92E-10
U-234	3.84E-05
U-235	9.88E-07
U-236	1.88E-09
U-238	3.19E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D037, F001, F002, F004, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-OS-00-01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	Discarding Excess/Expired Materials	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal debris from Off-Site Source Recovery (OSR) project (non-mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
55-gal POC - 12" w/ Liner	12.5	0.0	12.5
55-gal S100 POC - 6" w/ Liner	104.8	0.0	104.8
Current Form Total	118.1	0.0	118.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
55-gal POC - 12" w/ Liner	12.5	0.0	12.5
55-gal S100 POC - 6" w/ Liner	104.8	0.0	104.8
Final Form Total	118.1	0.0	118.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	8.46
Other Inorganic Materials	0.00
Cellulosics	1.04
Rubber	0.00
Plastics	18.31
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	341.20
Packaging Material, Plastic	636.83
Packaging Material, Cellulosics	76.37
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.10E+02
Cs-137	3.18E-02
Np-237	2.14E-04
Pu-238	1.02E+01
Th-229	5.17E-13
Th-230	4.85E-09
U-233	2.76E-09
U-234	1.78E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

120/220

Waste Stream Description

Off-Site Source Recovery (OSR) sealed sources are radionuclide (actinide) solids (e.g., Am, Pu, AmBe, or PuBe) that are encapsulated in metal jackets. The actinides are either metal or metal oxides.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-OS-00-01.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5100	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-LA-OS-00-01.001	60.9
55-gal S100 POC - 6" w/ Liner	WP-LA-OS-00-01.001	14.8
Shipped Total		75.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	18.96
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.34E+00
Cs-137	2.05E-03
Pu-238	8.56E+01
Pu-239	9.20E+00
Pu-240	2.76E+00
Pu-241	9.30E+00
Pu-242	7.47E-04
Sr-90	1.76E-03
U-233	3.09E-09
U-234	7.17E-03
U-235	3.83E-07
U-238	1.30E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

120/220

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-OS-00-01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5100
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/o Liner	WP-LA-OS-00-01	0.4
Shipped Total		0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	130.77
Aluminum-based Metals/Alloys	0.00
Other Metals	0.96
Other Inorganic Materials	0.00
Cellulosics	137.50
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.30E+00
Cs-137	6.32E-04
Np-237	3.65E-05
Pu-238	4.20E+00
Pu-239	1.15E+01
Pu-240	1.17E+01
Pu-241	1.41E+01
Pu-242	2.32E-04
Sr-90	5.91E-04
Th-229	9.89E-14
Th-230	2.24E-01
Th-232	1.37E-16
U-233	5.51E-10
U-234	4.84E-05
U-235	4.53E-08
U-236	1.39E-06
U-238	1.40E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

120/220

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-OS-00-03

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	Discarding Excess/Expired Materials	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal debris from Off-Site Source Recovery (OSR) project (non-mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	14.6	0.0	14.6
Current Form Total	14.6	0.0	14.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	14.6	0.0	14.6
Final Form Total	14.6	0.0	14.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	974.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.75E+00
Np-237	3.42E-06
Th-229	8.27E-15
U-233	4.40E-11

No Hazardous Waste Numbers Provided

TRUCON Code(s)

120/220

Waste Stream Description

Off-Site Source Recovery (OSR) sealed sources are radionuclide (actinide) solids (e.g., Am, Pu, AmBe, or PuBe) that are encapsulated in metal jackets. The actinides are either metal or metal oxides.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-PX-00-01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible debris waste generated by PANTEX					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	257.70
Aluminum-based Metals/Alloys	0.40
Other Metals	18.80
Other Inorganic Materials	6.80
Cellulosics	64.00
Rubber	1.10
Plastics	5.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.69E-02
Np-237	5.11E-08
Pu-238	7.73E-03
Pu-239	8.98E-02
Pu-240	2.11E-02
Pu-241	1.34E-01
Th-229	3.31E-16
Th-230	1.04E-11
Th-232	1.55E-18
U-233	1.07E-12
U-234	2.28E-07
U-235	8.85E-10
U-236	6.27E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216

Waste Stream Description

Not provided

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-00-01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Containers waiting assignment to waste streams			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	22.0	0.0	22.0
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	2.9	0.0	2.9
Box - Cardboard	0.2	0.0	0.2
Box - Crate	119.5	0.0	119.5
Box - FRP	154.7	0.0	154.7
Other	19.4	0.0	19.4
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	320.7	0.0	320.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	24.3	0.0	24.3
SWB Dir Ld w/ Liner	296.7	0.0	296.7
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	323.0	0.0	323.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	20.51
Aluminum-based Metals/Alloys	2.80
Other Metals	2.28
Other Inorganic Materials	102.54
Cellulosics	2.22
Rubber	1.16
Plastics	4.59
Cements	0.00
Inorganic Matrix	0.18
Organic Matrix	1.09
Soils/gravel	0.18
Vitrified	0.00
Packaging Material, Steel	152.13
Packaging Material, Plastic	3.99
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.07E-01
Am-243	2.54E-05
Cm-244	7.35E-02
Np-237	1.76E-05
Pu-238	1.28E+00
Pu-239	3.44E-01
Pu-240	6.48E-02
Pu-241	2.43E-01
Pu-242	3.22E-04
Pu-244	3.28E-07
Th-229	1.23E-08
Th-230	2.40E-08
Th-232	3.41E-10
U-233	3.75E-06
U-234	1.46E-04
U-235	1.51E-08
U-236	6.73E-08
U-238	2.36E-07

Haz. Waste No(s).

D008, F001, F002

TRUCON Code(s)

111/211, 122/222

Waste Stream Description

Miscellaneous Containers waiting assignment to waste streams

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-00-02

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Containers waiting assignment to waste streams			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	289.72
Aluminum-based Metals/Alloys	1.17
Other Metals	34.73
Other Inorganic Materials	187.89
Cellulosics	23.98
Rubber	35.97
Plastics	110.93
Cements	0.00
Inorganic Matrix	4.62
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.90E+00
Np-237	9.80E-06
Pu-238	1.07E+01
Pu-239	5.15E-02
Pu-240	8.43E-01
Pu-241	9.60E+01
Pu-242	5.53E-01
Pu-244	7.75E-07
Th-229	2.99E-14
Th-230	6.97E-09
Th-232	3.02E-17
U-233	1.40E-10
U-234	2.19E-04
U-235	3.56E-10
U-236	1.75E-07
U-238	5.84E-10

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Not a defined waste stream Containers waiting assignment to waste streams

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-00-03

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Containers waiting assignment to waste streams			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Canister - (LANL-RH)	2.1	0.0	2.1
Current Form Total	2.1	0.0	2.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Fxd Lid - Dir Ld	1.8	0.0	1.8
Final Form Total	1.8	0.0	1.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1310.00
Aluminum-based Metals/Alloys	5.30
Other Metals	157.00
Other Inorganic Materials	848.00
Cellulosics	108.00
Rubber	162.00
Plastics	501.00
Cements	0.00
Inorganic Matrix	20.80
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	433.70
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	464.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	6.96E+00
U-235	2.40E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Miscellaneous Containers waiting assignment to waste streams

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3200	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Solidified Organics			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.04
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.04
Cellulosics	0.00
Rubber	0.00
Plastics	1.95
Cements	0.00
Inorganic Matrix	366.60
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.75E-01
Np-237	3.20E-05
Pu-238	2.48E-02
Pu-239	8.82E-01
Pu-240	2.09E-01
Pu-241	2.39E+00
Pu-242	1.18E-05
Th-229	1.59E-13
Th-230	8.13E-12
Th-232	3.83E-18
U-233	6.79E-10
U-234	3.59E-07
U-235	4.35E-09
U-236	3.11E-08
U-238	8.94E-15

Haz. Waste No(s).

D006, D008, D009, D011, D019, D021, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

Solidified Organics

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-03

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	13.5	0.0	13.5
Current Form Total	13.5	0.0	13.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	13.5	0.0	13.5
Final Form Total	13.5	0.0	13.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	12.35
Aluminum-based Metals/Alloys	0.00
Other Metals	4.11
Other Inorganic Materials	19.90
Cellulosics	15.97
Rubber	1.62
Plastics	47.01
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.50E-02
Am-243	6.80E-05
Cs-137	1.35E-07
Np-237	6.29E-05
Pu-238	8.97E-01
Pu-239	3.08E-01
Pu-240	7.32E-02
Pu-241	7.69E-01
Pu-242	4.36E-06
Sr-90	1.35E-07
Th-229	7.61E-09
Th-230	1.13E-09
Th-232	2.63E-18
U-233	1.89E-09
U-234	2.70E-05
U-235	6.18E-07
U-236	1.52E-08
U-238	3.56E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216

Waste Stream Description

Combustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-04

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metals and Miscellaneous Equipment Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	39.20
Aluminum-based Metals/Alloys	0.00
Other Metals	13.04
Other Inorganic Materials	63.17
Cellulosics	50.71
Rubber	5.13
Plastics	149.23
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.14E-01
Np-237	4.27E-05
Pu-238	4.28E+00
Pu-239	6.92E-01
Pu-240	1.65E-01
Pu-241	2.04E+00
Pu-242	1.03E-05
Th-229	1.35E-13
Th-230	8.93E-10
Th-232	1.93E-18
U-233	7.23E-10
U-234	4.94E-05
U-235	2.73E-09
U-236	1.96E-08
U-238	6.24E-15

Haz. Waste No(s).

D004, D006, D007, D008, D009, D011, F002

TRUCON Code(s)

117/217

Waste Stream Description

Metals and Miscellaneous Equipment Debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-05

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metals and Miscellaneous Equipment Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.2	0.0	1.2
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	3.1	0.0	3.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.2	0.0	1.2
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	3.1	0.0	3.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	17.17
Aluminum-based Metals/Alloys	0.00
Other Metals	5.71
Other Inorganic Materials	27.67
Cellulosics	22.21
Rubber	2.25
Plastics	65.37
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	179.16
Packaging Material, Plastic	24.53
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.22E-02
Np-237	4.59E-06
Pu-238	1.02E-01
Pu-239	7.79E-02
Pu-240	1.88E-02
Pu-241	1.91E-01
Pu-242	1.16E-06
Th-229	4.50E-14
Th-230	6.63E-11
Th-232	6.73E-19
U-233	1.37E-10
U-234	2.09E-06
U-235	4.26E-06
U-236	3.89E-09
U-238	1.19E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216, 117/217

Waste Stream Description

Metals and Miscellaneous Equipment Debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-06

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metals and Miscellaneous Equipment Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	34.40
Aluminum-based Metals/Alloys	0.00
Other Metals	11.45
Other Inorganic Materials	55.44
Cellulosics	44.50
Rubber	4.50
Plastics	130.96
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.01E+00
Am-243	1.32E-03
Np-237	1.53E-04
Pu-238	1.20E+00
Pu-239	1.44E+00
Pu-240	3.43E-01
Pu-241	3.92E+00
Pu-242	1.97E-05
Th-229	7.58E-13
Th-230	3.94E-10
Th-232	6.28E-18
U-233	3.24E-09
U-234	1.74E-05
U-235	7.12E-09
U-236	5.08E-08
U-238	1.48E-14

Haz. Waste No(s).

D004, D006, D007, D008, D009, D011, F001, F002, F005

TRUCON Code(s)

118/218

Waste Stream Description

Metals and Miscellaneous Equipment Debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-07

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.7	0.0	3.7
Current Form Total	3.7	0.0	3.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.7	0.0	3.7
Final Form Total	3.7	0.0	3.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	24.28
Aluminum-based Metals/Alloys	0.00
Other Metals	8.08
Other Inorganic Materials	39.12
Cellulosics	31.40
Rubber	3.18
Plastics	92.42
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.17E-02
Am-243	1.26E-04
Cs-137	5.36E-07
Np-237	1.53E-04
Pu-238	2.24E-02
Pu-239	4.14E-01
Pu-240	9.13E-02
Pu-241	1.01E+00
Pu-242	5.59E-06
Sr-90	2.79E-07
Th-229	1.10E-12
Th-230	1.06E-11
Th-232	2.41E-18
U-233	3.92E-09
U-234	3.91E-07
U-235	1.68E-06
U-236	1.63E-08
U-238	1.64E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

117/217

Waste Stream Description

NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-08

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	37.8	0.0	37.8
Current Form Total	37.8	0.0	37.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	37.8	0.0	37.8
Final Form Total	37.8	0.0	37.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.02
Aluminum-based Metals/Alloys	0.00
Other Metals	5.00
Other Inorganic Materials	24.20
Cellulosics	19.43
Rubber	1.96
Plastics	57.17
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.28E-03
Am-243	1.70E-05
Cs-137	1.28E-06
Np-237	1.71E-06
Pu-238	9.48E-02
Pu-239	8.59E-03
Pu-240	1.48E-03
Pu-241	1.58E-02
Pu-242	1.05E-07
Th-229	2.76E-14
Th-230	1.03E-10
Th-232	8.80E-20
U-233	6.56E-11
U-234	2.51E-06
U-235	5.14E-06
U-236	3.96E-10
U-238	1.50E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219

Waste Stream Description

NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-09

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	0.0	2.9
Other	11.3	0.0	11.3
SWB w/ 4 - 55-gal Drums w/ Liners	18.9	0.0	18.9
Current Form Total	33.1	0.0	33.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	0.0	2.9
SWB Dir Ld w/ Liner	11.3	0.0	11.3
SWB w/ 4 - 55-gal Drums w/ Liners	18.9	0.0	18.9
Final Form Total	33.2	0.0	33.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	48.21
Aluminum-based Metals/Alloys	0.00
Other Metals	16.04
Other Inorganic Materials	77.70
Cellulosics	62.36
Rubber	6.31
Plastics	183.54
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	184.34
Packaging Material, Plastic	12.95
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.08E-01
Am-243	1.44E-04
Cs-137	1.59E-07
Np-237	1.66E-03
Pu-238	2.88E-01
Pu-239	7.45E-01
Pu-240	1.78E-01
Pu-241	1.83E+00
Pu-242	3.07E-04
Pu-244	3.26E-10
Th-229	2.72E-11
Th-230	3.12E-10
Th-232	1.05E-17
U-233	6.44E-08
U-234	7.61E-06
U-235	3.46E-06
U-236	4.74E-08
U-238	1.20E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D021, D022, D027, D030, D032, D034, D035, D039, D040, F001, F002, F003, F004, F005

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-10

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combined Combustible and NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	31.6	50.1	81.7
Other	64.0	0.0	64.0
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	97.5	50.1	147.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	31.6	50.1	81.7
SWB Dir Ld w/ Liner	64.3	0.0	64.3
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	97.8	50.1	147.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	19.80
Aluminum-based Metals/Alloys	0.00
Other Metals	6.59
Other Inorganic Materials	31.92
Cellulosics	25.62
Rubber	2.59
Plastics	75.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	141.69
Packaging Material, Plastic	21.18
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.03E-02
Am-243	1.30E-04
Cs-137	1.17E-08
Np-237	4.74E-05
Pu-238	1.14E+00
Pu-239	2.89E-01
Pu-240	6.80E-02
Pu-241	7.55E-01
Pu-242	4.23E-06
Th-229	3.42E-13
Th-230	5.40E-10
Th-232	1.79E-18
U-233	1.22E-09
U-234	1.99E-05
U-235	2.52E-06
U-236	1.21E-08
U-238	2.98E-07

Haz. Waste No(s).

D004, D006, D007, D008, D009, D011, F002

TRUCON Code(s)

125/225

Waste Stream Description

Combined Combustible and NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-12

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible debris waste from chemistry operations in wings 3, 5, and 7 of the CMR facility (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
55-gal Drum Dir Ld w/ Liner	163.1	0.0	163.1
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	54.1	0.0	54.1
Cask - Misc w/ 1 - 30-gal Drum	0.4	0.0	0.4
Other	0.4	0.0	0.4
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	220.0	0.0	220.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	198.6	0.0	198.6
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	200.5	0.0	200.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.20
Aluminum-based Metals/Alloys	0.30
Other Metals	0.30
Other Inorganic Materials	6.50
Cellulosics	18.80
Rubber	8.80
Plastics	33.70
Cements	0.00
Inorganic Matrix	0.20
Organic Matrix	0.40
Soils/gravel	0.20
Vitrified	0.00
Packaging Material, Steel	131.56
Packaging Material, Plastic	36.80
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.54E-01
Am-243	7.62E-05
Cm-244	1.23E-04
Cs-137	1.49E-06
Np-237	6.01E-06
Pu-238	1.10E+00
Pu-239	3.73E-01
Pu-240	9.32E-02
Pu-241	4.46E-01
Pu-242	1.46E-04
Pu-244	1.18E-10
Sr-90	1.02E-06
Th-229	1.23E-12
Th-230	3.10E-08
Th-232	5.47E-11
U-233	7.91E-10
U-234	1.59E-04
U-235	8.93E-06
U-236	1.92E-07
U-238	4.56E-08

Haz. Waste No(s).

D006, D008, D011, D022, D028, D043, F001, F002, F005

TRUCON Code(s)

116/216

Waste Stream Description

Combustible waste generated from facility and equipment operations and maintenance. This waste includes paper, rags, plastic, rubber, wood-based HEPA filters, and plastic-based and cellulose-based waste generated at the facility. Plastic-based waste includes, but may not be limited to, tape, polyethylene and vinyl; gloves; plastic vials; polystyrene; Tygon tubing; polyvinyl chloride plastic; Teflon products; Plexiglas; and dry box gloves (unleaded neoprene base). Cellulose-based waste includes, but may not be limited to, rags, wood, paper, cardboard, laboratory coats and coveralls, booties and cotton gloves, and similar materials. The waste stream may also contain a smaller fraction of non-combustible solids (e.g., scrap metal, crucibles, metal lids, zippers, discarded tools) and a small fraction of homogenous solids, salts, leached solids, ash, hydroxide cakes, crucibles, impure oxides.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-13

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible debris waste from chemistry operations					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	23.3	0.0	23.3
Current Form Total	23.3	0.0	23.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	23.3	0.0	23.3
Final Form Total	23.3	0.0	23.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	257.70
Aluminum-based Metals/Alloys	0.33
Other Metals	69.58
Other Inorganic Materials	6.80
Cellulosics	52.56
Rubber	0.90
Plastics	4.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.65E-01
Am-243	7.27E-06
Cs-137	1.10E-06
Np-237	2.81E-05
Pu-238	2.52E+00
Pu-239	8.99E-01
Pu-240	2.06E-01
Pu-241	1.18E+00
Pu-242	1.54E-05
Sr-90	9.86E-07
Th-229	1.26E-12
Th-230	2.54E-08
Th-232	1.45E-16
U-233	1.80E-09
U-234	2.44E-04
U-235	3.21E-06
U-236	2.41E-07
U-238	1.21E-08

Haz. Waste No(s).

D008, D022, D043, F001, F002, F005

TRUCON Code(s)

116/216, 125/225

Waste Stream Description

Combustible debris waste from chemistry operations in wings 3, 5, and 7 of the CMR facility (non-mixed). Combustible waste generated from facility and equipment operations and maintenance. This waste includes paper, rags, plastic, rubber, wood-based HEPA filters, and plastic-based and cellulose-based waste generated at the facility. Plastic-based waste includes, but may not be limited to, tape, polyethylene and vinyl; gloves; plastic vials; polystyrene; Tygon tubing; polyvinyl chloride plastic; Teflon products; Plexiglas; and dry box gloves (unleaded neoprene base). Cellulose-based waste includes, but may not be limited to, rags, wood, paper, cardboard, laboratory coats and coveralls, booties and cotton gloves, and similar materials. The waste stream may also contain a smaller fraction of non-combustible solids (e.g., scrap metal, crucibles, metal lids, zippers, discarded tools) and a small fraction of homogenous solids, salts, leached solids, ash, hydroxide cakes, crucibles, impure oxides. Major: R, C, PW, Minor: IM, OM, AM, OI, OR, IN. No soil (S) present in this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-14

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metals and Miscellaneous Equipment Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.4	0.0	0.4
55-gal Drum Dir Ld w/ Liner	29.7	0.0	29.7
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	9.0	0.0	9.0
Box - Crate	19.8	0.0	19.8
Other	0.0	0.0	0.0
Current Form Total	59.0	0.0	59.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	36.0	0.0	36.0
SWB Dir Ld w/ Liner	20.8	0.0	20.8
Final Form Total	56.8	0.0	56.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	25.25
Aluminum-based Metals/Alloys	0.00
Other Metals	8.40
Other Inorganic Materials	40.70
Cellulosics	32.67
Rubber	3.30
Plastics	96.14
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	139.11
Packaging Material, Plastic	23.89
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.52E-01
Am-243	8.76E-05
Cs-137	1.67E-04
Np-237	8.47E-06
Pu-238	1.67E+00
Pu-239	2.83E-01
Pu-240	7.56E-02
Pu-241	3.21E-01
Pu-242	1.99E-04
Pu-244	1.77E-10
Sr-90	2.43E-03
Th-229	1.84E-12
Th-230	3.66E-08
Th-232	1.91E-16
U-233	1.16E-09
U-234	2.07E-04
U-235	2.84E-06
U-236	1.50E-07
U-238	8.84E-08

Haz. Waste No(s).

D005, D006, D007, D008, D009, D010, D011, D022, D043, F001, F002, F003, F004, F005

TRUCON Code(s)

117/217

Waste Stream Description

Metals and Miscellaneous Equipment Debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-15

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metals and Miscellaneous Equipment Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.9	0.0	8.9
Current Form Total	8.9	0.0	8.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.9	0.0	8.9
Final Form Total	8.9	0.0	8.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	28.23
Aluminum-based Metals/Alloys	0.00
Other Metals	9.39
Other Inorganic Materials	45.49
Cellulosics	36.51
Rubber	3.69
Plastics	107.46
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.58E-01
Am-243	5.57E-04
Cs-137	1.05E-06
Np-237	1.48E-05
Pu-238	8.93E-01
Pu-239	2.15E-01
Pu-240	5.12E-02
Pu-241	4.14E-01
Pu-242	2.53E-04
Pu-244	1.95E-10
Sr-90	1.07E-06
Th-229	6.52E-13
Th-230	5.60E-09
Th-232	6.27E-17
U-233	9.35E-10
U-234	6.13E-05
U-235	6.56E-07
U-236	9.60E-08
U-238	9.45E-08

Haz. Waste No(s).

D006, D008, D011, D022, D043, F001, F002, F005

TRUCON Code(s)

117/217

Waste Stream Description

Metals and Miscellaneous Equipment Debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-16

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Glass					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	20.0	0.0	20.0
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	12.9	0.0	12.9
Current Form Total	32.8	0.0	32.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	28.3	0.0	28.3
Final Form Total	28.3	0.0	28.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	19.35
Aluminum-based Metals/Alloys	0.00
Other Metals	6.44
Other Inorganic Materials	31.18
Cellulosics	25.03
Rubber	2.53
Plastics	73.66
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.31E-01
Np-237	3.40E-05
Pu-238	4.30E-01
Pu-239	5.04E-01
Pu-240	2.02E-01
Pu-241	1.84E+00
Pu-242	5.82E-05
Th-229	3.93E-12
Th-230	4.87E-09
Th-232	8.55E-17
U-233	3.50E-09
U-234	3.81E-05
U-235	1.19E-08
U-236	1.44E-07
U-238	2.11E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Glass

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-18

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Isotopic Source					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Other	0.0	0.0	0.0
Current Form Total	0.5	0.0	0.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	106.67
Aluminum-based Metals/Alloys	0.00
Other Metals	35.50
Other Inorganic Materials	171.91
Cellulosics	137.98
Rubber	13.96
Plastics	406.10
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cm-244	7.11E+01
Pu-239	9.99E-03
Pu-240	5.25E-01
Th-232	1.97E-16
U-235	3.35E-10
U-236	3.21E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Isotopic Source

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-19

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Non-combustible and combustible debris waste from operations of the CMR facility					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	4.1	0.0	4.1
55-gal Drum Dir Ld w/ Liner	39.5	0.0	39.5
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	5.8	0.0	5.8
Cask - Misc w/ 1 - 30-gal Drum	0.4	0.0	0.4
Other	0.0	0.0	0.0
Current Form Total	49.8	0.0	49.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	51.2	0.0	51.2
Final Form Total	51.2	0.0	51.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	20.10
Aluminum-based Metals/Alloys	2.70
Other Metals	2.20
Other Inorganic Materials	100.50
Cellulosics	2.20
Rubber	1.10
Plastics	4.50
Cements	0.00
Inorganic Matrix	0.20
Organic Matrix	1.10
Soils/gravel	0.20
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.55E-02
Cs-137	9.91E-07
Np-237	7.23E-07
Pu-238	8.59E-01
Pu-239	8.57E-02
Pu-240	2.90E-02
Pu-241	1.71E-01
Pu-242	9.88E-06
Sr-90	9.92E-07
Th-229	1.43E-13
Th-230	1.62E-08
Th-232	2.60E-17
U-233	9.20E-11
U-234	9.83E-05
U-235	2.96E-09
U-236	3.01E-08
U-238	5.22E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Non-combustible and combustible debris waste from operations in wings 3, 5, and 7 of the CMR facility (mixed). Combined Non-combustible and combustible waste generated from facility and equipment operations and maintenance. This waste includes, but may not be limited to, small tools, small equipment, cans, motors, pumps, process equipment, gloveboxes, ventilation ductwork, HEPA filters, pipes, glass, graphite, slag and crucibles, salt, discarded lab ware, windows, and bottles. The waste stream may also contain a smaller fraction of combustible solids (e.g., paper, rags, plastic, rubber, leaded gloves) and a small fraction of homogeneous solids (e.g., leached solids, ash, hydroxide cakes, impure oxides).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-20

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Combustible debris waste from chemistry and metallurgical operations			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	17.9	0.0	17.9
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	10.3	0.0	10.3
Current Form Total	28.2	0.0	28.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	24.5	0.0	24.5
Final Form Total	24.5	0.0	24.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.31
Aluminum-based Metals/Alloys	0.64
Other Metals	0.57
Other Inorganic Materials	1.77
Cellulosics	19.70
Rubber	9.41
Plastics	32.47
Cements	0.00
Inorganic Matrix	0.46
Organic Matrix	2.06
Soils/gravel	0.37
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.43E-02
Np-237	5.98E-05
Pu-238	1.86E+01
Pu-239	2.68E-01
Pu-240	7.71E-02
Pu-241	4.45E-01
Pu-242	1.43E-05
Th-229	1.02E-11
Th-230	2.38E-07
Th-232	4.76E-17
U-233	7.51E-09
U-234	1.74E-03
U-235	7.67E-09
U-236	6.64E-08
U-238	6.25E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216

Waste Stream Description

Combustible debris waste from chemistry and metallurgical operations in wings 2 and 4 of the CMR facility (mixed). Combustible waste generated from facility and equipment operations and maintenance. This waste includes paper, rags, plastic, rubber, wood-based HEPA filters, and plastic-based and cellulose-based waste generated at the facility. Plastic-based waste includes, but may not be limited to, tape, polyethylene and vinyl; gloves; plastic vials; polystyrene; Tygon tubing; polyvinyl chloride plastic; Teflon products; Plexiglas; and dry box gloves (unleaded neoprene base). Cellulose-based waste includes, but may not be limited to, rags, wood, paper, cardboard, laboratory coats and coveralls, booties and cotton gloves, and similar materials. The waste stream may also contain a smaller fraction of non-combustible solids (e.g., scrap metal, crucibles, metal lids, zippers, discarded tools) and a small fraction of homogenous solids, salts, leached solids, ash, hydroxide cakes, crucibles, impure oxides.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-21

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Metals and Miscellaneous Equipment Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.5	0.0	2.5
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	2.6	0.0	2.6
Box - Crate	93.4	0.0	93.4
Current Form Total	98.5	0.0	98.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.2	0.0	4.2
SWB Dir Ld w/ Liner	94.5	0.0	94.5
Final Form Total	98.7	0.0	98.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	25.18
Aluminum-based Metals/Alloys	0.00
Other Metals	8.38
Other Inorganic Materials	40.58
Cellulosics	32.57
Rubber	3.29
Plastics	95.86
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	152.54
Packaging Material, Plastic	2.71
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.85E-03
Np-237	2.35E-06
Pu-238	2.66E-01
Pu-239	3.70E-02
Pu-240	9.30E-03
Pu-241	3.15E-02
Pu-242	9.58E-07
Th-229	5.45E-13
Th-230	4.70E-09
Th-232	7.89E-18
U-233	3.43E-10
U-234	2.94E-05
U-235	1.24E-09
U-236	9.38E-09
U-238	4.91E-15

Haz. Waste No(s).

D008, D019, D040

TRUCON Code(s)

117/217

Waste Stream Description

Metals and Miscellaneous Equipment Debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-23

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Hepa Filters					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.6	0.0	0.6
Box - Crate	66.4	0.0	66.4
Current Form Total	67.3	0.0	67.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
SWB Dir Ld w/ Liner	68.0	0.0	68.0
Final Form Total	68.7	0.0	68.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	27.12
Aluminum-based Metals/Alloys	0.00
Other Metals	9.03
Other Inorganic Materials	43.71
Cellulosics	35.08
Rubber	3.55
Plastics	103.25
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.29
Packaging Material, Plastic	1.53
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.62E-04
Np-237	1.11E-09
Pu-238	2.20E-02
Pu-239	1.70E-03
Pu-240	4.00E-04
Pu-241	1.29E-03
Pu-242	2.68E-08
Th-229	4.92E-17
Th-230	3.64E-10
Th-232	3.19E-19
U-233	5.94E-14
U-234	2.35E-06
U-235	5.54E-11
U-236	3.91E-10
U-238	1.34E-16

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Hepa Filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-24

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Non-combustible and combustible debris waste from operations of the CMR facility					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.3	0.0	0.3
55-gal Drum Dir Ld w/ Liner	7.1	0.0	7.1
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	2.3	0.0	2.3
Other	0.0	0.0	0.0
Current Form Total	9.7	0.0	9.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	9.4	0.0	9.4
Final Form Total	9.4	0.0	9.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	40.10
Aluminum-based Metals/Alloys	4.00
Other Metals	3.20
Other Inorganic Materials	13.40
Cellulosics	5.50
Rubber	2.80
Plastics	8.90
Cements	0.00
Inorganic Matrix	0.20
Organic Matrix	0.20
Soils/gravel	0.20
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.46E-01
Np-237	4.10E-05
Pu-238	1.06E+00
Pu-239	1.07E+00
Pu-240	3.66E-01
Pu-241	1.74E+00
Pu-242	8.34E-05
Th-229	9.86E-12
Th-230	2.00E-08
Th-232	3.29E-16
U-233	6.06E-09
U-234	1.21E-04
U-235	3.69E-08
U-236	3.80E-07
U-238	4.40E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Non-combustible and combustible debris waste from operations in wings 2 and 4 of the CMR facility (mixed). Combined Combustible and Non-combustible waste generated from facility and equipment operations and maintenance. This waste includes, but may not be limited to, small tools, small equipment, cans, motors, pumps, process equipment, gloveboxes, ventilation ductwork, HEPA filters, pipes, glass, graphite, slag and crucibles, salt, discarded lab ware, windows, and bottles. The waste stream may also contain a smaller fraction of combustible solids (e.g., paper, rags, plastic, rubber, leaded gloves) and a small fraction of homogeneous solids (e.g., leached solids, ash, hydroxide cakes, impure oxides).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-25

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Inorganic Solid (Miscellaneous Glovebox Debris)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	0.3	0.0	0.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.01
Aluminum-based Metals/Alloys	0.00
Other Metals	3.33
Other Inorganic Materials	16.13
Cellulosics	12.94
Rubber	1.31
Plastics	38.09
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.83E-02
Np-237	6.55E-08
Pu-238	6.67E-03
Pu-239	2.63E-01
Pu-240	6.16E-02
Pu-241	3.74E-01
Pu-242	3.56E-06
Th-229	9.00E-16
Th-230	3.40E-11
Th-232	1.63E-17
U-233	1.93E-12
U-234	3.88E-07
U-235	4.93E-09
U-236	3.47E-08
U-238	1.02E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Inorganic Solid (Miscellaneous Glovebox Debris)

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-26

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Non-combustible and combustible hot cell debris waste from wing 9 of the CMR facility (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.4	0.0	0.4
55-gal Drum Dir Ld w/ Liner	2.5	0.0	2.5
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	4.2	0.0	4.2
Other	1.0	0.0	1.0
Current Form Total	8.0	0.0	8.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.7	0.0	6.7
Final Form Total	6.7	0.0	6.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	20.70
Aluminum-based Metals/Alloys	4.20
Other Metals	3.50
Other Inorganic Materials	6.40
Cellulosics	7.20
Rubber	3.60
Plastics	11.10
Cements	0.00
Inorganic Matrix	0.20
Organic Matrix	0.20
Soils/gravel	0.20
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.10E-02
Np-237	4.45E-07
Pu-238	2.19E+00
Pu-239	7.01E+00
Pu-240	1.51E-01
Pu-241	4.31E-01
Pu-242	9.11E-06
Th-229	2.25E-14
Th-230	9.03E-07
Th-232	2.04E-14
U-233	2.55E-11
U-234	2.99E-03
U-235	5.61E-04
U-236	1.19E-05
U-238	7.98E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Contact-handled hot cell waste, including both combustible and noncombustible waste forms, generated from facility and equipment operations and maintenance.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-27

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combined combustible and noncombustible debris waste (RH-TRU) of the CMR facility					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Canister - (LANL-RH)	0.1	0.0	0.1
Canister - (LANL-RH)	1.3	0.0	1.3
Canister - (LANL-RH)	18.4	0.0	18.4
Canister - (LANL-RH)	51.0	0.0	51.0
RH Can w/ Fxd Lid w/ 3 - 55-gal w/ Liner	15.1	0.0	15.1
Current Form Total	85.9	0.0	85.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Fxd Lid w/ 3 - 55-gal w/ Liner	15.1	0.0	15.1
RH Can w/ Remov Lid - Dir Ld	81.0	0.0	81.0
Final Form Total	96.1	0.0	96.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	260.60
Aluminum-based Metals/Alloys	0.00
Other Metals	249.93
Other Inorganic Materials	5.48
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	555.06
Packaging Material, Plastic	4.09
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	73.04

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.26E-02
Cs-137	1.66E+01
Np-237	1.21E-07
Pu-238	1.33E-02
Pu-239	2.42E+00
Pu-240	2.63E-02
Pu-241	2.61E-01
Pu-242	1.58E-05
Sr-90	1.49E+01
Th-229	3.51E-15
Th-230	4.54E-09
Th-232	1.27E-16
U-233	5.23E-12
U-234	1.92E-05
U-235	9.68E-05
U-236	1.05E-07
U-238	4.25E-07

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217

Waste Stream Description

Combined combustible and noncombustible debris waste (RH-TRU) from wing 9 of the CMR facility (mixed). Combined Combustible and non-combustible remote handled waste (RH-TRU). This waste stream contains both combustible and non-combustible waste that is classified as "remotely handled". Combustible waste is generated from facility and equipment operations and maintenance. Combustible waste includes paper, rags, plastic, rubber, and plastic-based and cellulose-based waste generated at the facility. Plastic based waste includes, but may not be limited to, tape, polyethylene, and vinyl; gloves; plastic vials; polystyrene; Tygon tubing; polyvinyl chloride plastic; Teflon products; plexiglass; and dry box gloves (unleaded Neoprene base).Cellulose-based waste includes, but may not be limited to rags, wood, paper, cardboard, laboratory coats and coveralls, booties and cotton gloves, and similar materials. Noncombustible scrap waste is also generated from facility and equipment operations and maintenance. Noncombustible waste includes items such as small tools, cans, small equipment items, and broken glass. This waste consists of glass waste including, but not limited to, discarded labware, windows, and bottles; metal waste including motors, pumps, tools, and process equipment; leaded rubber, and metal waste including lead-lined glovebox gloves discarded along with metal waste, such as motors and tools.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-28

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cement paste from CMR building (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.0	0.0	4.0
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	3.2	0.0	3.2
Current Form Total	7.2	0.0	7.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.0	0.0	6.0
Final Form Total	6.0	0.0	6.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.18
Aluminum-based Metals/Alloys	0.18
Other Metals	0.18
Other Inorganic Materials	0.18
Cellulosics	0.18
Rubber	0.18
Plastics	0.18
Cements	693.00
Inorganic Matrix	165.82
Organic Matrix	828.39
Soils/gravel	110.61
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.66E-02
Np-237	5.53E-07
Pu-238	4.71E-01
Pu-239	6.89E-01
Pu-240	1.27E-01
Pu-241	5.41E-01
Pu-242	1.77E-05
Th-229	2.69E-14
Th-230	7.30E-09
Th-232	9.57E-17
U-233	3.12E-11
U-234	4.87E-05
U-235	2.18E-08
U-236	1.21E-07
U-238	8.56E-14

Haz. Waste No(s).

D007, D019, F001, F002

TRUCON Code(s)

126/226

Waste Stream Description

Cement Past Solidified aqueous waste and cemented sludge generated from facility and equipment operations and maintenance. The sludge is a residue from numerous treatment and filtration operations involving aqueous liquid radioactive waste. This treatment produces a thin sludge (approximately 25 percent solids) that is alkaline and is compatible with Portland cement. Final cemented waste monoliths are produced by mixing the waste in 55-gallon steel drums containing empirically determined quantities of sludge, Portland cement, vermiculite, and sodium silicate.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-29

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4100
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Plutonium contaminated soil (non-mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	0.5	0.0	0.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.15
Aluminum-based Metals/Alloys	0.45
Other Metals	0.50
Other Inorganic Materials	0.18
Cellulosics	2.43
Rubber	1.27
Plastics	3.56
Cements	0.00
Inorganic Matrix	14.47
Organic Matrix	76.26
Soils/gravel	10.55
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.48E-01
Np-237	7.26E-07
Pu-238	4.43E+02
Pu-239	2.70E-01
Pu-240	1.06E-01
Pu-241	1.95E+00
Pu-242	7.59E-05
Th-229	1.78E-14
Th-230	4.03E-06
Th-232	4.85E-17
U-233	2.88E-11
U-234	3.47E-02
U-235	6.67E-09
U-236	7.85E-08
U-238	2.87E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

111/211

Waste Stream Description

Plutonium Contaminated Soil Soils contaminated with transuranic material.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-30

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3200	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Absorbed Organics on vermiculite (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
SWB w/ 4 - 55-gal Drums w/ Liners	7.6	0.0	7.6
Current Form Total	7.7	0.0	7.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
SWB w/ 4 - 55-gal Drums w/ Liners	7.6	0.0	7.6
Final Form Total	7.8	0.0	7.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	195.07
Aluminum-based Metals/Alloys	0.29
Other Metals	14.44
Other Inorganic Materials	15.71
Cellulosics	48.37
Rubber	0.83
Plastics	4.01
Cements	124.06
Inorganic Matrix	110.70
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	208.95
Packaging Material, Plastic	16.85
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.15E-02
Am-243	1.89E-07
Cs-137	8.54E-07
Np-237	2.78E-07
Pu-238	8.89E-03
Pu-239	6.84E-03
Pu-240	2.17E-03
Pu-241	7.45E-03
Pu-242	1.25E-07
Th-229	4.15E-14
Th-230	1.38E-10
Th-232	1.63E-18
U-233	3.04E-11
U-234	9.18E-07
U-235	4.50E-08
U-236	2.06E-09
U-238	6.04E-16

Haz. Waste No(s).

D008, D009

TRUCON Code(s)

125/225

Waste Stream Description

Absorbed Organics on Vermiculite Organic liquids (solvents and oils) generated from facility and equipment operations and maintenance and absorbed on vermiculite.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-31

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented inorganics, leached process solids (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	43.30
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	508.10
Inorganic Matrix	453.40
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.17E-01
Np-237	1.67E-06
Pu-238	1.41E-01
Pu-239	5.65E+00
Pu-240	1.32E+00
Pu-241	7.29E+00
Pu-242	7.64E-05
Th-229	2.83E-14
Th-230	8.87E-10
Th-232	4.27E-16
U-233	5.49E-11
U-234	9.14E-06
U-235	1.17E-07
U-236	8.24E-07
U-238	2.42E-13

Haz. Waste No(s).

D008

TRUCON Code(s)

111/211

Waste Stream Description

Cemented Inorganics (Leached Process Solids) Solidified inorganic process solids generated from facility and equipment operations and maintenance. This waste consists of process leached solids, ash, filter cakes, salts, metal oxides, fines, and evaporator bottoms stabilized in Portland or gypsum cement.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-32

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Non-combustibles					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Other	0.0	0.0	0.0
Current Form Total	0.0	0.0	0.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	87.92
Aluminum-based Metals/Alloys	0.00
Other Metals	29.26
Other Inorganic Materials	141.70
Cellulosics	113.73
Rubber	11.50
Plastics	334.73
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	8.55E-01
U-235	1.11E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Non-combustibles

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-33

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Special Items Requiring Tracking by CST-7					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	2.0	0.0	2.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	2.1	0.0	2.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.37
Aluminum-based Metals/Alloys	0.00
Other Metals	1.79
Other Inorganic Materials	8.66
Cellulosics	6.95
Rubber	0.70
Plastics	20.45
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	203.14
Packaging Material, Plastic	18.35
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.30E-04
Cs-137	4.66E-07
Np-237	8.79E-05
Th-229	1.95E-11
Th-230	7.91E-14
U-233	1.26E-08
U-234	5.33E-10
U-238	5.72E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Special Items Requiring Tracking by CST-7

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-34

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Inorganic Solid (Miscellaneous Glovebox Debris)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - FRP	19.8	0.0	19.8
Other	15.6	0.0	15.6
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	37.3	0.0	37.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	37.8	0.0	37.8
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	39.7	0.0	39.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2.93
Aluminum-based Metals/Alloys	0.00
Other Metals	0.97
Other Inorganic Materials	4.72
Cellulosics	3.78
Rubber	0.38
Plastics	11.14
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	156.24
Packaging Material, Plastic	1.92
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.87E-04
Cs-137	3.32E-09
Np-237	1.48E-09
Pu-238	7.56E-02
Pu-239	9.67E-04
Pu-240	1.08E-04
Pu-241	7.66E-04
Pu-242	6.25E-09
Th-229	1.43E-17
Th-230	1.48E-10
Th-232	1.14E-20
U-233	3.82E-14
U-234	2.70E-06
U-235	6.70E-08
U-236	3.85E-11
U-238	1.55E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Inorganic Solid (Miscellaneous Glovebox Debris)

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-40

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Metals debris generated from D&D activities in CMR Building			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	27.9	0.0	27.9
Current Form Total	27.9	0.0	27.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	28.4	0.0	28.4
Final Form Total	28.4	0.0	28.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	272.38
Aluminum-based Metals/Alloys	0.00
Other Metals	30.28
Other Inorganic Materials	6.79
Cellulosics	63.95
Rubber	1.10
Plastics	5.20
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	1.98E-02
Pu-239	2.67E-01
Th-230	1.96E-10
U-234	1.62E-06
U-235	1.09E-06

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

Metals debris generated from decontamination and decommissioning activities in Wings 2, 3, 4, and 7 of CMR Building (mix). This waste consists mostly of metals or metal equipment, either whole or sectioned, and small volumes of combustibles generated during decommissioning, sectioning, and packaging. The waste forms primarily include gloveboxes, tools, cans, motors, pumps, decommissioned process equipment, and ductwork

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-42

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	HEPA filter debris waste from wings 2, 3, 4, 5, and 7 of CMR Building (mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	61.2	0.0	61.2
Box - FRP	33.4	0.0	33.4
Current Form Total	94.6	0.0	94.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	96.4	0.0	96.4
Final Form Total	96.4	0.0	96.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	258.31
Aluminum-based Metals/Alloys	0.00
Other Metals	291.75
Other Inorganic Materials	6.80
Cellulosics	2.62
Rubber	0.04
Plastics	0.22
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.96E-05
Np-237	1.58E-10
Pu-238	1.28E-03
Pu-239	6.24E-03
Pu-240	8.24E-05
Pu-241	3.41E-04
Pu-242	4.77E-09
Th-229	4.59E-18
Th-230	1.38E-11
Th-232	4.40E-20
U-233	6.83E-15
U-234	1.10E-07
U-235	1.66E-10
U-236	6.61E-11
U-238	1.94E-17

No Hazardous Waste Numbers Provided

TRUCON Code(s)

111/211

Waste Stream Description

HEPA filter waste generated from facility and equipment operations and maintenance. A small fraction of combustible waste, such as plastics (mainly packaging), may also be present in this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-05

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Graphite					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.3	0.0	0.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	103.90
Aluminum-based Metals/Alloys	0.42
Other Metals	12.45
Other Inorganic Materials	67.36
Cellulosics	8.60
Rubber	12.89
Plastics	39.77
Cements	0.00
Inorganic Matrix	1.66
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.41E-01
Np-237	1.64E-06
Pu-238	6.01E-02
Pu-239	2.50E+00
Pu-240	5.97E-01
Pu-241	1.91E+00
Pu-242	4.01E-05
Th-229	7.30E-14
Th-230	9.95E-10
Th-232	4.77E-16
U-233	8.80E-11
U-234	6.43E-06
U-235	4.72E-05
U-236	5.85E-07
U-238	2.00E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

Graphite

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-06

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible debris waste (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.8	0.0	0.8
30-gal Drum	16.6	0.0	16.6
55-gal Drum Dir Ld w/ Liner	187.8	0.0	187.8
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.3	0.0	1.3
Cask - Misc w/ 2 - 30-gal Drums	81.4	0.0	81.4
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	289.9	0.0	289.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	255.0	0.0	255.0
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	256.9	0.0	256.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	257.70
Aluminum-based Metals/Alloys	0.40
Other Metals	18.80
Other Inorganic Materials	6.80
Cellulosics	64.00
Rubber	1.10
Plastics	5.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	131.39
Packaging Material, Plastic	36.85
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.40E-01
Np-237	9.52E-07
Pu-238	5.80E+01
Pu-239	7.94E-01
Pu-240	2.40E-01
Pu-241	1.11E+00
Pu-242	4.38E-05
Th-229	4.24E-14
Th-230	9.60E-07
Th-232	1.92E-16
U-233	5.11E-11
U-234	6.20E-03
U-235	3.65E-06
U-236	2.36E-07
U-238	2.18E-13

Haz. Waste No(s).

F001, F002

TRUCON Code(s)

125/225

Waste Stream Description

Combustible waste generated from facility and equipment operations and maintenance. This waste includes paper, rags, plastic, rubber, wood-based HEPA filters, and plastic-based and cellulose-based waste generated at the facility. Plastic-based waste includes, but may not be limited to, tape, polyethylene and vinyl; gloves; plastic vials; polystyrene; Tygon tubing; polyvinyl chloride plastic; Teflon products; Plexiglas; and dry box gloves (unleaded neoprene base). Cellulose-based waste includes, but may not be limited to, rags, wood, paper, cardboard, laboratory coats and coveralls, booties and cotton gloves, and similar materials. The waste stream may also contain a smaller fraction of non-combustible solids (e.g., scrap metal, crucibles, metal lids, zippers, discarded tools) and a small fraction of homogenous solids, salts, leached solids, ash, hydroxide cakes, crucibles, impure oxides.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-07

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
15-gal Drum	0.7	0.0	0.7
2-gal Drum (RH)	0.0	0.0	0.0
30-gal Drum	6.4	0.0	6.4
55-gal Drum Dir Ld w/ Liner	68.2	0.0	68.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.0	0.0	1.0
Box - Crate	488.2	0.0	488.2
Box - FRP	14.2	0.0	14.2
Cask - Misc w/ 2 - 30-gal Drums	47.0	0.0	47.0
Other	70.9	0.0	70.9
Current Form Total	696.7	0.0	696.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	102.1	0.0	102.1
55-gal POC - 12" w/ Liner	0.2	0.0	0.2
SWB Dir Ld w/ Liner	576.5	0.0	576.5
Final Form Total	678.8	0.0	678.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.03
Aluminum-based Metals/Alloys	0.05
Other Metals	1.56
Other Inorganic Materials	8.45
Cellulosics	1.08
Rubber	1.62
Plastics	4.99
Cements	0.00
Inorganic Matrix	0.21
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	150.20
Packaging Material, Plastic	6.60
Packaging Material, Cellulosics	0.04
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.56E-02
Am-243	5.99E-15
Np-237	1.87E-07
Pu-238	1.57E+01
Pu-239	3.01E-01
Pu-240	5.78E-02
Pu-241	1.81E-01
Pu-242	5.02E-06
Th-229	9.48E-15
Th-230	2.96E-07
Th-232	5.19E-17
U-233	1.07E-11
U-234	1.80E-03
U-235	5.48E-08
U-236	6.01E-08
U-238	2.95E-06

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217

Waste Stream Description

Metal

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-08

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Glass					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.3	0.0	0.3
55-gal Drum Dir Ld w/ Liner	2.5	0.0	2.5
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Cask - Misc w/ 1 - 30-gal Drum	1.1	0.0	1.1
Current Form Total	4.3	0.0	4.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.5	0.0	3.5
Final Form Total	3.5	0.0	3.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	44.40
Aluminum-based Metals/Alloys	0.18
Other Metals	5.32
Other Inorganic Materials	28.80
Cellulosics	3.67
Rubber	5.51
Plastics	17.00
Cements	0.00
Inorganic Matrix	0.71
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.14E-01
Np-237	7.77E-07
Pu-238	2.56E+01
Pu-239	7.64E-01
Pu-240	2.15E-01
Pu-241	9.09E-01
Pu-242	3.18E-05
Th-229	3.47E-14
Th-230	4.23E-07
Th-232	1.71E-16
U-233	4.18E-11
U-234	2.73E-03
U-235	2.49E-08
U-236	2.10E-07
U-238	1.58E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218

Waste Stream Description

Glass

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-09

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Hepa Filters					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Cask - Misc w/ 2 - 30-gal Drums	7.4	0.0	7.4
Current Form Total	8.5	0.0	8.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.4	0.0	4.4
Final Form Total	4.4	0.0	4.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.72
Aluminum-based Metals/Alloys	0.02
Other Metals	0.57
Other Inorganic Materials	3.06
Cellulosics	0.39
Rubber	0.59
Plastics	1.81
Cements	0.00
Inorganic Matrix	0.08
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.13E-02
Np-237	1.71E-05
Pu-238	3.40E+02
Pu-239	8.21E-02
Pu-240	1.92E-02
Pu-241	5.95E-02
Pu-242	9.04E-05
Th-229	3.66E-12
Th-230	5.63E-06
Th-232	1.53E-17
U-233	2.39E-09
U-234	3.64E-02
U-235	2.67E-09
U-236	1.88E-08
U-238	4.50E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219

Waste Stream Description

Hepa Filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-10

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Isotopic Source					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	0.1	0.0	0.1
Current Form Total	0.1	0.0	0.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	64.42
Aluminum-based Metals/Alloys	0.26
Other Metals	7.72
Other Inorganic Materials	41.78
Cellulosics	5.33
Rubber	8.00
Plastics	24.67
Cements	0.00
Inorganic Matrix	1.03
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	2.42E+00
U-235	7.40E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Isotopic Source

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-11

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	NonCombustible Building Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	19.1	0.0	19.1
Other	2.1	0.0	2.1
Current Form Total	21.2	0.0	21.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	24.6	0.0	24.6
Final Form Total	24.6	0.0	24.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	61.06
Aluminum-based Metals/Alloys	0.25
Other Metals	7.32
Other Inorganic Materials	39.60
Cellulosics	5.05
Rubber	7.58
Plastics	23.38
Cements	0.00
Inorganic Matrix	0.97
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	2.12E-02
Pu-239	8.60E-01
Th-230	3.74E-10
U-234	2.34E-06
U-235	2.89E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

NonCombustible Building Debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-12

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Non-combustible and combustible debris waste (mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
15-gal Drum	0.6	0.0	0.6
30-gal Drum	3.7	0.0	3.7
55-gal Drum Dir Ld w/ Liner	114.0	0.0	114.0
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.3	0.0	1.3
Box - Crate	6.3	0.0	6.3
Cask - Misc w/ 2 - 30-gal Drums	121.8	0.0	121.8
Current Form Total	247.7	0.0	247.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	195.3	0.0	195.3
SWB Dir Ld w/ Liner	7.6	0.0	7.6
Final Form Total	202.9	0.0	202.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.40
Aluminum-based Metals/Alloys	0.20
Other Metals	0.20
Other Inorganic Materials	0.20
Cellulosics	21.20
Rubber	8.50
Plastics	35.80
Cements	514.40
Inorganic Matrix	0.20
Organic Matrix	0.20
Soils/gravel	0.20
Vitrified	0.00
Packaging Material, Steel	131.65
Packaging Material, Plastic	35.67
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.28E-01
Np-237	2.27E-06
Pu-238	2.19E+02
Pu-239	1.36E+00
Pu-240	4.49E-01
Pu-241	2.52E+00
Pu-242	1.13E-04
Th-229	6.16E-04
Th-230	3.39E-06
Th-232	3.37E-16
U-233	2.06E-01
U-234	2.26E-02
U-235	1.02E-05
U-236	4.26E-07
U-238	5.44E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Combined Combustible and NonCombustible Trash Non-combustible and combustible waste generated from facility and equipment operations and maintenance. This waste includes, but may not be limited to, small tools, small equipment, cans, motors, pumps, process equipment, gloveboxes, ventilation ductwork, HEPA filters, pipes, glass, graphite, slag and crucibles, salt, discarded lab ware, windows, and bottles. The waste stream may also contain a smaller fraction of combustible solids (e.g., paper, rags, plastic, rubber, leaded gloves) and a small fraction of homogeneous solids (e.g., leached solids, ash, hydroxide cakes, impure oxides).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-13

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented wastewater treatment sludge (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	16.0	0.0	16.0
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Other	2917.3	0.0	2917.3
Current Form Total	2933.7	0.0	2933.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	16.2	0.0	16.2
SWB Dir Ld w/ Liner	2918.2	0.0	2918.2
Final Form Total	2934.4	0.0	2934.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	693.00
Inorganic Matrix	603.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.37
Packaging Material, Plastic	1.40
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.40E+00
Np-237	5.13E-05
Pu-238	6.19E-02
Pu-239	4.20E-02
Th-229	4.32E-12
Th-230	1.84E-09
Th-232	3.74E-08
U-233	3.94E-09
U-234	9.21E-06
U-235	8.18E-06
U-238	3.80E-06

Haz. Waste No(s).

D007, F001, F002

TRUCON Code(s)

111/211

Waste Stream Description

Cemented Wastewater Treatment Sludge Solidified aqueous waste generated from facility and equipment operations and maintenance. Solidified aqueous waste is a dewatered sludge generated by the vacuum filtration of solids from treated aqueous waste slurry. The filter media (diatomaceous earth) with the entrapped filtrate is then placed in drums with dry concreted absorbent.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-14

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4100
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Plutonium contaminated soil (non-mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.9	0.0	7.9
Box - Crate	73.2	0.0	73.2
Box - FRP	3.2	0.0	3.2
Current Form Total	84.3	0.0	84.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.9	0.0	7.9
SWB Dir Ld w/ Liner	77.5	0.0	77.5
Final Form Total	85.4	0.0	85.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	55.61
Aluminum-based Metals/Alloys	0.00
Other Metals	6.18
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	955.21
Vitrified	0.00
Packaging Material, Steel	151.40
Packaging Material, Plastic	4.51
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	1.09E-01
U-235	3.01E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

111/211

Waste Stream Description

Plutonium Contaminated Soils contaminated with transuranic material.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-15

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3200	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Solidified organics (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.2	0.0	0.2
55-gal Drum Dir Ld w/ Liner	3.1	0.0	3.1
Current Form Total	3.3	0.0	3.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.5	0.0	3.5
Final Form Total	3.5	0.0	3.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	250.98
Aluminum-based Metals/Alloys	0.39
Other Metals	18.31
Other Inorganic Materials	7.75
Cellulosics	62.33
Rubber	1.07
Plastics	5.16
Cements	13.41
Inorganic Matrix	11.65
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.89E-02
Np-237	5.83E-07
Pu-238	2.26E-02
Pu-239	1.34E+00
Pu-240	2.31E-01
Pu-241	7.50E-01
Pu-242	1.34E-05
Th-229	2.43E-14
Th-230	3.50E-10
Th-232	1.73E-16
U-233	3.03E-11
U-234	2.33E-06
U-235	4.22E-08
U-236	2.19E-07
U-238	6.45E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

112/212

Waste Stream Description

Solidified Organic liquids generated from facility and equipment operations and maintenance and absorbed on vermiculite.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-16

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented inorganics (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	26.2	0.0	26.2
55-gal Drum Dir Ld w/ Liner	31.4	0.0	31.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	57.9	0.0	57.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	79.9	0.0	79.9
Final Form Total	79.9	0.0	79.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	43.30
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	508.10
Inorganic Matrix	453.40
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.94E-01
Np-237	5.23E-06
Pu-238	2.61E-01
Pu-239	7.93E+00
Pu-240	1.89E+00
Pu-241	6.65E+00
Pu-242	1.55E-04
Th-229	2.20E-13
Th-230	4.04E-09
Th-232	1.42E-15
U-233	2.73E-10
U-234	2.69E-05
U-235	4.15E-05
U-236	1.80E-06
U-238	7.51E-13

Haz. Waste No(s).

D008

TRUCON Code(s)

111/211

Waste Stream Description

Cemented Inorganics Solidified inorganic process solids generated from facility and equipment operations and maintenance. This waste consists of process leached solids, ash, filter cakes, salts, metal oxides, fines, or evaporator bottoms stabilized in Portland or gypsum cement.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-17

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Special Items Requiring Tracking by CST-7			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.5	0.0	0.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	58.49
Aluminum-based Metals/Alloys	0.24
Other Metals	7.01
Other Inorganic Materials	37.93
Cellulosics	4.84
Rubber	7.26
Plastics	22.40
Cements	0.00
Inorganic Matrix	0.93
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.85E-03
Np-237	2.62E-08
Pu-238	9.58E-04
Pu-239	4.22E-02
Pu-240	9.86E-03
Pu-241	3.06E-02
Pu-242	5.71E-07
Th-229	1.17E-15
Th-230	1.59E-11
Th-232	7.88E-18
U-233	1.41E-12
U-234	1.03E-07
U-235	1.37E-09
U-236	9.67E-09
U-238	2.84E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Special Items Requiring Tracking by CST-7

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-18

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Miscellaneous Glovebox Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - FRP	14.8	0.0	14.8
Current Form Total	14.8	0.0	14.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	15.1	0.0	15.1
Final Form Total	15.1	0.0	15.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.02E+00
Np-237	1.38E-04
Pu-238	1.68E+00
Pu-239	8.55E+00
Pu-240	3.42E+00
Pu-241	4.71E+01
Pu-242	1.90E-05
Th-229	1.53E-11
Th-230	1.81E-08
Th-232	1.83E-15
U-233	1.30E-08
U-234	1.44E-04
U-235	2.28E-07
U-236	2.74E-06
U-238	7.76E-14

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

Miscellaneous Glovebox Debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-40

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal debris (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.6	0.0	1.6
Box - Crate	637.2	0.0	637.2
Box - FRP	441.1	0.0	441.1
SWB w/ 4 - 55-gal Drums w/ Liners	15.1	0.0	15.1
Current Form Total	1095.2	0.0	1095.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.2	0.0	1.2
SWB Dir Ld w/ Liner	1081.1	0.0	1081.1
SWB w/ 4 - 55-gal Drums w/ Liners	15.1	0.0	15.1
Final Form Total	1097.4	0.0	1097.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	272.60
Aluminum-based Metals/Alloys	0.00
Other Metals	30.30
Other Inorganic Materials	6.80
Cellulosics	64.00
Rubber	1.10
Plastics	5.20
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	154.27
Packaging Material, Plastic	1.45
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.06E-04
Cs-137	5.08E-10
Np-237	1.59E-08
Pu-238	1.24E+00
Pu-239	3.05E-01
Pu-240	8.08E-04
Pu-241	1.40E-03
Pu-242	4.69E-08
Pu-244	1.59E-07
Sr-90	3.21E-09
Th-229	1.19E-11
Th-230	1.33E-08
Th-232	4.32E-19
U-233	4.72E-09
U-234	1.06E-04
U-235	8.12E-09
U-236	6.48E-10
U-238	1.24E-09

Haz. Waste No(s).

D004, D006, D007, D008, D009

TRUCON Code(s)

125/225

Waste Stream Description

Mixed metal scrap, discarded gloveboxes, and incidental combustible waste generated from facility and equipment decontamination and decommissioning at TA21. This waste consists mostly of metals or metal equipment, either whole or sectioned, gloveboxes, glovebox equipment, glass, and small volumes of combustibles generated during decommissioning. This waste may also include items such as small tools, cans, motors, and pumps. Gloveboxes may include gloves, wiring, plastic, glass windows, plastic wrapping, and lead shielding.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-41

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4100
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Plutonium-contaminated soil (non-mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	22.5	0.0	22.5
Current Form Total	22.5	0.0	22.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	22.7	0.0	22.7
Final Form Total	22.7	0.0	22.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	272.60
Aluminum-based Metals/Alloys	0.00
Other Metals	30.30
Other Inorganic Materials	6.80
Cellulosics	64.00
Rubber	1.10
Plastics	5.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	8.06E-01
U-235	2.15E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

111/211

Waste Stream Description

Soils contaminated with transuranic material resulting from TA21 decontamination and decommissioning.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-21-42

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Metal debris (nonmixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	91.4	0.0	91.4
Box - FRP	9.7	0.0	9.7
Current Form Total	101.2	0.0	101.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	104.0	0.0	104.0
Final Form Total	104.0	0.0	104.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	264.04
Aluminum-based Metals/Alloys	0.23
Other Metals	23.76
Other Inorganic Materials	6.80
Cellulosics	63.98
Rubber	1.10
Plastics	5.26
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.08E-02
Np-237	1.87E-06
Pu-238	4.35E-02
Pu-239	2.03E-01
Pu-241	1.47E-01
Th-229	2.18E-13
Th-230	4.67E-10
U-233	1.84E-10
U-234	3.72E-06
U-235	4.10E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Metal scrap, discarded gloveboxes, and incidental combustible waste generated from facility and equipment decontamination and decommissioning at TA21. This waste consists mostly of metals or metal equipment, either whole or sectioned gloveboxes, glovebox equipment, glass, and small volumes of combustibles generated during decommissioning. This waste may also include items such as small tools, cans, motors, and pumps. Gloveboxes may include gloves, wiring, plastic, glass windows, and plastic wrapping.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-48-01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible and noncombustible debris (non-mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.3	0.0	8.3
Current Form Total	8.3	0.0	8.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.3	0.0	8.3
Final Form Total	8.3	0.0	8.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	253.95
Aluminum-based Metals/Alloys	0.22
Other Metals	143.89
Other Inorganic Materials	7.33
Cellulosics	34.83
Rubber	0.60
Plastics	2.88
Cements	7.49
Inorganic Matrix	6.51
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.52E-02
Am-243	2.51E-06
Cs-137	5.90E-05
Np-237	1.44E-05
Pu-238	5.92E-02
Pu-239	7.34E-02
Pu-240	1.84E-02
Pu-241	2.15E-01
Pu-242	5.13E-07
Th-229	3.67E-07
Th-230	9.60E-11
Th-232	2.15E-19
U-233	9.77E-04
U-234	3.01E-06
U-235	2.96E-10
U-236	2.18E-09
U-238	3.55E-16

Haz. Waste No(s).

D008, D011

TRUCON Code(s)

116/216, 125/225

Waste Stream Description

Combustible and noncombustible debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	1.9	0.0	1.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
Final Form Total	0.8	0.0	0.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	20.07
Aluminum-based Metals/Alloys	0.08
Other Metals	2.41
Other Inorganic Materials	13.02
Cellulosics	1.66
Rubber	2.49
Plastics	7.69
Cements	0.00
Inorganic Matrix	0.32
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.94E-02
Am-243	8.62E-06
Cs-137	1.46E-03
Np-237	3.31E-08
Pu-238	2.66E-04
Pu-239	1.05E-03
Th-229	5.20E-17
Th-230	8.02E-09
U-233	3.49E-13
U-234	2.23E-04
U-235	4.11E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216

Waste Stream Description

Combustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-02

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	71.53
Aluminum-based Metals/Alloys	0.29
Other Metals	8.57
Other Inorganic Materials	46.39
Cellulosics	5.92
Rubber	8.88
Plastics	27.39
Cements	0.00
Inorganic Matrix	1.14
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.07E-02
Cs-137	4.73E-07
Np-237	4.51E-07
Pu-238	5.62E-01
Pu-239	5.62E-02
Pu-241	3.04E-01
Th-229	2.04E-15
Th-230	1.84E-10
U-233	8.93E-12
U-234	8.14E-06
U-235	5.21E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216, 117/217

Waste Stream Description

Combustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-05

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combined Combustible and NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	49.49
Aluminum-based Metals/Alloys	0.20
Other Metals	5.93
Other Inorganic Materials	32.10
Cellulosics	4.10
Rubber	6.14
Plastics	18.95
Cements	0.00
Inorganic Matrix	0.79
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.15E-02
Np-237	1.05E-07
Pu-238	1.52E-01
Pu-239	7.14E-01
Pu-240	1.90E-02
Pu-241	1.57E-01
Th-229	1.12E-16
Th-230	3.17E-11
Th-232	2.23E-19
U-233	8.93E-13
U-234	1.76E-06
U-235	1.71E-08
U-236	2.26E-09

Haz. Waste No(s).

D004, D006, D007, D008, D009, D010

TRUCON Code(s)

125/225

Waste Stream Description

Combined Combustible and NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-06

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combined Combustible and NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	3.6	0.0	3.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	3.6	0.0	3.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	40.18
Aluminum-based Metals/Alloys	0.16
Other Metals	4.82
Other Inorganic Materials	26.06
Cellulosics	3.33
Rubber	4.99
Plastics	15.39
Cements	0.00
Inorganic Matrix	0.64
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	173.50
Packaging Material, Plastic	25.99
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.98E+00
Np-237	1.43E-05
Pu-238	8.78E-01
Pu-239	1.03E+00
Pu-240	6.13E-01
Pu-241	1.52E+01
Pu-242	8.50E-04
Th-229	2.36E-13
Th-230	3.12E-09
Th-232	1.15E-16
U-233	4.81E-10
U-234	4.25E-05
U-235	1.63E-08
U-236	2.91E-07
U-238	2.05E-12

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Combined Combustible and NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-10

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Vacuum filter cake (non-mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	20.2	0.0	20.2
55-gal POC - 12" w/ Liner	0.6	0.0	0.6
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	21.1	0.0	21.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	20.4	0.0	20.4
55-gal POC - 12" w/ Liner	0.6	0.0	0.6
Final Form Total	21.0	0.0	21.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	272.60
Aluminum-based Metals/Alloys	0.00
Other Metals	30.30
Other Inorganic Materials	6.80
Cellulosics	64.00
Rubber	1.10
Plastics	5.30
Cements	645.90
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	142.58
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	4.08
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.68E-01
Np-237	1.69E-06
Pu-238	8.72E+00
Pu-239	4.82E+00
Pu-240	1.15E+00
Pu-241	1.11E+01
Pu-242	7.10E-05
Th-229	8.46E-15
Th-230	1.08E-08
Th-232	6.81E-17
U-233	3.10E-11
U-234	2.47E-04
U-235	1.80E-05
U-236	3.06E-07
U-238	6.45E-04

Haz. Waste No(s).

D005, D006, D007, D008, D009, D010, D011

TRUCON Code(s)

111/211, 124/224

Waste Stream Description

Vacuum filter Cake This waste is a dewatered sludge generated by the vacuum filtration of solids from treated aqueous waste slurry. The filter medium (diatomaceous earth) with the entrapped filtrate is then placed in drums with dry concrete absorbent.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-11

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Combustible debris waste from area WM 66 (mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.6	0.0	0.6
Current Form Total	1.3	0.0	1.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Final Form Total	1.0	0.0	1.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.10
Aluminum-based Metals/Alloys	0.80
Other Metals	0.50
Other Inorganic Materials	3.60
Cellulosics	6.60
Rubber	3.00
Plastics	11.20
Cements	0.00
Inorganic Matrix	0.10
Organic Matrix	0.10
Soils/gravel	0.10
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.40E-01
Np-237	1.39E-06
Pu-238	6.16E-02
Pu-239	2.42E+00
Pu-240	5.49E-01
Pu-241	2.38E+00
Pu-242	3.18E-05
Th-229	4.50E-14
Th-230	6.10E-10
Th-232	2.73E-16
U-233	6.38E-11
U-234	5.04E-06
U-235	6.22E-08
U-236	4.24E-07
U-238	1.25E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Combustible Debris waste generated from facility and equipment operations and maintenance. This waste includes paper, rags, plastic, rubber, wood-based HEPA filters, and plastic-based and cellulose-based waste generated at the facility. Plastic-based waste includes, but may not be limited to, tape, polyethylene and vinyl; gloves; plastic vials; polystyrene; Tygon tubing; polyvinyl chloride plastic; Teflon products; Plexiglas; and dry box gloves (unleaded neoprene base). Cellulose-based waste includes, but may not be limited to, rags, wood, paper, cardboard, laboratory coats and coveralls, booties and cotton gloves, and similar materials. The waste stream may also contain a smaller fraction of non-combustible solids (e.g., scrap metal, crucibles, metal lids, zippers, discarded tools) and a small fraction of homogenous solids, salts, leached solids, ash, hydroxide cakes, crucibles, impure oxides.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-12

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.5	0.0	1.5
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.6	0.0	0.6
Box - Crate	8.1	0.0	8.1
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	12.1	0.0	12.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.9	0.0	1.9
SWB Dir Ld w/ Liner	9.5	0.0	9.5
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	13.2	0.0	13.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	28.79
Aluminum-based Metals/Alloys	0.12
Other Metals	3.45
Other Inorganic Materials	18.67
Cellulosics	2.38
Rubber	3.57
Plastics	11.02
Cements	0.00
Inorganic Matrix	0.46
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	158.52
Packaging Material, Plastic	8.43
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.22E-03
Np-237	2.06E-08
Pu-238	1.48E-02
Pu-239	7.06E-03
Pu-241	9.52E-04
Th-229	2.21E-15
Th-230	9.94E-10
U-233	1.87E-12
U-234	7.57E-06
U-235	2.02E-10
U-238	7.57E-02

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217

Waste Stream Description

Metal

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-13

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Glass					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	0.3	0.0	0.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	18.07
Aluminum-based Metals/Alloys	0.07
Other Metals	2.17
Other Inorganic Materials	11.72
Cellulosics	1.50
Rubber	2.24
Plastics	6.92
Cements	0.00
Inorganic Matrix	0.29
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	4.31E-02
Th-230	2.20E-10
U-234	2.51E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218

Waste Stream Description

Glass

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-14

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Hepa filters					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	311.72
Aluminum-based Metals/Alloys	1.26
Other Metals	37.36
Other Inorganic Materials	202.15
Cellulosics	25.80
Rubber	38.70
Plastics	119.35
Cements	0.00
Inorganic Matrix	4.97
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.31E-01
Np-237	1.12E-06
Pu-238	7.39E-03
Pu-239	3.74E-02
Th-229	5.20E-14
Th-230	7.32E-11
U-233	6.38E-11
U-234	6.05E-07
U-235	9.59E-10

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Hepa filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-15

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Non-combustible and combustible debris waste from operations at WCRRF & SRF					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	2.9	0.0	2.9
Other	125.3	0.0	125.3
SWB w/ 4 - 55-gal Drums w/ Liners	13.2	0.0	13.2
Current Form Total	141.8	0.0	141.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
SWB Dir Ld w/ Liner	126.6	0.0	126.6
SWB w/ 4 - 55-gal Drums w/ Liners	13.2	0.0	13.2
Final Form Total	142.1	0.0	142.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	260.30
Aluminum-based Metals/Alloys	0.14
Other Metals	104.83
Other Inorganic Materials	7.15
Cellulosics	44.84
Rubber	0.77
Plastics	3.69
Cements	4.92
Inorganic Matrix	4.27
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	158.50
Packaging Material, Plastic	3.18
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.97E-02
Cs-137	6.74E-03
Np-237	7.24E-07
Pu-238	1.77E+00
Pu-239	2.62E-01
Pu-240	5.81E-02
Pu-241	2.86E-01
Pu-242	3.77E-06
Sr-90	5.52E-03
Th-229	2.70E-14
Th-230	1.56E-08
Th-232	4.25E-17
U-233	3.66E-11
U-234	1.36E-04
U-235	1.15E-05
U-236	5.65E-08
U-238	1.04E-09

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

Non-combustible and combustible debris waste from operations in the WCRRF and SRF (building 50-69) (mixed). Combined Non-combustible and combustible waste generated from facility and equipment operations and maintenance. This waste includes, but may not be limited to, small tools, small equipment, cans, motors, pumps, process equipment, gloveboxes, ventilation ductwork, HEPA filters, pipes, glass, graphite, slag and crucibles, salt, discarded lab ware, windows, and bottles. The waste stream may also contain a smaller fraction of combustible solids (e.g., paper, rags, plastic, rubber, leaded gloves) and a small fraction of homogeneous solids (e.g., leached solids, ash, hydroxide cakes, impure oxides).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-16

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combined Combustible and NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	13.2	0.0	13.2
Current Form Total	13.2	0.0	13.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	13.2	0.0	13.2
Final Form Total	13.2	0.0	13.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	89.69
Aluminum-based Metals/Alloys	0.36
Other Metals	10.75
Other Inorganic Materials	58.17
Cellulosics	7.42
Rubber	11.13
Plastics	34.34
Cements	0.00
Inorganic Matrix	1.43
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.04E-02
Am-243	6.19E-04
Cs-137	4.68E-04
Np-237	2.70E-04
Pu-238	2.55E-01
Pu-239	4.79E-02
Pu-240	6.99E-03
Pu-241	2.26E-01
Pu-242	6.57E-07
Th-229	1.07E-11
Th-230	6.87E-10
Th-232	1.00E-18
U-233	1.64E-08
U-234	1.07E-05
U-235	6.61E-10
U-236	2.90E-09
U-238	1.39E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Combined Combustible and NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-17

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Cemented wastewater treatment sludge (mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.2	0.0	1.2
55-gal Drum Dir Ld w/ Liner	30.2	0.0	30.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	28.7	0.0	28.7
SWB w/ 4 - 55-gal Drums w/ Liners	279.7	0.0	279.7
Current Form Total	339.8	0.0	339.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	49.3	0.0	49.3
SWB w/ 4 - 55-gal Drums w/ Liners	279.7	0.0	279.7
Final Form Total	329.0	0.0	329.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.18
Aluminum-based Metals/Alloys	0.18
Other Metals	0.18
Other Inorganic Materials	0.18
Cellulosics	0.18
Rubber	0.18
Plastics	0.20
Cements	693.00
Inorganic Matrix	723.21
Organic Matrix	85.91
Soils/gravel	11.61
Vitrified	0.00
Packaging Material, Steel	199.07
Packaging Material, Plastic	19.40
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.33E+00
Am-243	1.25E-11
Cs-137	3.72E-04
Np-237	9.75E-06
Pu-238	1.35E-01
Pu-239	1.32E+00
Pu-241	2.40E-03
Pu-242	5.92E-09
Sr-90	1.26E-05
Th-229	7.71E-08
Th-230	3.64E-08
U-233	3.74E-05
U-234	1.88E-04
U-235	2.42E-05
U-238	5.47E-08

Haz. Waste No(s).

D004, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

111/211, 114/214

Waste Stream Description

Cemented wastewater treatment sludge from room 60 pretreatment of TA-55 liquid waste. Solidified aqueous waste and cemented sludge. The sludge is a residue from treatment and filtration operations involving aqueous liquid radioactive waste from TA-55, Building PF4. This treatment produces a thin sludge (approximately 25 percent solids) that is alkaline and is compatible with Portland cement. Final cemented waste monoliths are produced by mixing the waste in 55-gallon steel drums containing empirically determined quantities of sludge, Portland cement, vermiculite, and sodium silicate.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-18

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented caustic liquid waste (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	3.3	0.0	3.3
55-gal Drum Dir Ld w/ Liner	42.4	0.0	42.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	86.9	0.0	86.9
Current Form Total	132.7	0.0	132.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	100.3	0.0	100.3
Final Form Total	100.3	0.0	100.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.18
Aluminum-based Metals/Alloys	0.18
Other Metals	0.18
Other Inorganic Materials	0.18
Cellulosics	0.18
Rubber	0.18
Plastics	0.22
Cements	693.00
Inorganic Matrix	137.94
Organic Matrix	655.13
Soils/gravel	87.76
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.08E+00
Np-237	1.22E-05
Pu-238	2.04E-01
Pu-239	2.98E+00
Pu-240	9.29E-04
Pu-241	9.75E-04
Th-229	6.35E-07
Th-230	3.61E-09
Th-232	7.89E-19
U-233	1.99E-04
U-234	2.26E-05
U-235	2.26E-07
U-236	9.38E-10

Haz. Waste No(s).

D007, D009, F001, F002

TRUCON Code(s)

111/211

Waste Stream Description

Cemented Caustic Liquid Waste Solidified (through cementation) caustic aqueous waste from TA-55. The sludge is a residue from numerous treatment and filtration operations involving aqueous liquid radioactive waste.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-19

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Vacuum filter cake (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.7	0.0	1.7
55-gal Drum Dir Ld w/ Liner	593.2	0.0	593.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	469.5	0.0	469.5
Current Form Total	1064.4	0.0	1064.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	897.3	0.0	897.3
Final Form Total	897.3	0.0	897.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.23
Aluminum-based Metals/Alloys	0.19
Other Metals	0.18
Other Inorganic Materials	0.21
Cellulosics	0.48
Rubber	0.34
Plastics	1.05
Cements	645.90
Inorganic Matrix	173.85
Organic Matrix	339.60
Soils/gravel	48.86
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.98E-01
Am-243	7.46E-08
Cs-137	1.69E-06
Np-237	3.61E-06
Pu-238	9.04E-02
Pu-239	3.01E-01
Pu-240	1.49E-03
Pu-241	8.71E-03
Pu-242	1.51E-07
Sr-90	1.68E-06
Th-229	3.27E-13
Th-230	1.98E-09
Th-232	1.34E-18
U-233	2.88E-10
U-234	1.12E-05
U-235	1.55E-07
U-236	1.54E-09
U-238	1.34E-08

Haz. Waste No(s).

D007, D008, F001

TRUCON Code(s)

111/211

Waste Stream Description

Vacuum filter Cake This waste is a dewatered sludge generated by the vacuum filtration of solids from treated aqueous waste slurry. The filter medium (diatomaceous earth) with the entrapped filtrate is then placed in drums with dry concrete absorbent

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-20

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4100
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Plutonium contaminated soil (non-mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	0.7	0.0	0.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	1200.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.25E-03
Np-237	8.58E-08
Pu-239	9.67E-03
Th-229	4.62E-15
U-233	5.26E-12
U-235	2.67E-10

No Hazardous Waste Numbers Provided

TRUCON Code(s)

111/211

Waste Stream Description

Plutonium Contaminated Soils contaminated with transuranic material as a result of facility and equipment operations and maintenance.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-40

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal debris waste from TA-50 decontamination and decommissioning activities (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	263.87
Aluminum-based Metals/Alloys	0.23
Other Metals	23.62
Other Inorganic Materials	6.80
Cellulosics	63.98
Rubber	1.10
Plastics	5.26
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	3.20E-04
U-235	8.21E-12

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

The waste mostly consists of metals or metal equipment, such as motors, pumps, tools, and process equipment, either whole or sectioned, and lesser amounts of combustible components. The waste also includes mixed metal scrap and incidental combustible waste generated from size reduction of equipment from various TAs throughout LANL. In addition, it contains small volumes of combustibles generated during decommissioning, sectioning, and packaging.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-50-41

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Metal debris waste from TA-50 decontamination and decommissioning activities (non-mixed)			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - FRP	34.3	0.0	34.3
Current Form Total	34.3	0.0	34.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	35.9	0.0	35.9
Final Form Total	35.9	0.0	35.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	272.60
Aluminum-based Metals/Alloys	0.00
Other Metals	30.30
Other Inorganic Materials	6.80
Cellulosics	64.00
Rubber	1.10
Plastics	5.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.67E-03
Np-237	7.30E-09
Pu-238	1.16E-03
Pu-239	4.44E-02
Pu-240	1.04E-02
Pu-241	7.65E-02
Pu-242	6.00E-07
Th-229	6.11E-17
Th-230	3.61E-12
Th-232	1.71E-18
U-233	1.68E-13
U-234	5.25E-08
U-235	6.57E-10
U-236	4.62E-09
U-238	1.36E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

This waste mostly consists of metals or metal equipment, such as motors, pumps, tools, and process equipment, either whole or sectioned, and lesser amounts of combustible components. The waste also includes metal scrap and incidental combustible waste generated from size reduction of equipment from various TAs throughout LANL. In addition, it contains small volumes of combustibles generated during decommissioning, sectioning, and packaging.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-54-01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	DVRS HEPA filter 50% or more by volume HEPA			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	18.9	0.0	18.9
Current Form Total	18.9	0.0	18.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	18.9	0.0	18.9
Final Form Total	18.9	0.0	18.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	43.90
Aluminum-based Metals/Alloys	0.18
Other Metals	5.26
Other Inorganic Materials	28.40
Cellulosics	3.63
Rubber	5.44
Plastics	16.80
Cements	0.00
Inorganic Matrix	0.70
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.48E-03
Am-243	6.11E-07
Cs-137	6.46E-05
Np-237	9.71E-08
Pu-238	3.57E-02
Pu-239	5.00E-03
Pu-240	1.05E-03
Pu-241	1.34E-02
Pu-242	6.02E-08
Th-229	1.76E-16
Th-230	4.16E-12
Th-232	6.89E-21
U-233	1.25E-12
U-234	3.07E-07
U-235	2.49E-08
U-236	9.30E-11
U-238	2.72E-17

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219

Waste Stream Description

DVRS HEPA filter 50% or more by volume HEPA

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-01

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Graphite			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Current Form Total	1.0	0.0	1.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Final Form Total	1.0	0.0	1.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	51.53
Aluminum-based Metals/Alloys	0.21
Other Metals	6.18
Other Inorganic Materials	33.42
Cellulosics	4.26
Rubber	6.40
Plastics	19.73
Cements	0.00
Inorganic Matrix	0.82
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.59E-01
Np-237	1.41E-06
Pu-238	4.72E+00
Pu-239	4.22E+00
Pu-240	1.00E+00
Pu-241	9.48E+00
Pu-242	5.78E-05
Th-229	7.03E-15
Th-230	5.12E-09
Th-232	5.95E-17
U-233	2.58E-11
U-234	1.25E-04
U-235	3.75E-08
U-236	2.68E-07
U-238	7.85E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215, 125/225

Waste Stream Description

Graphite

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-02

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.9	0.0	1.9
Current Form Total	1.9	0.0	1.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	35.19
Aluminum-based Metals/Alloys	0.14
Other Metals	4.22
Other Inorganic Materials	22.82
Cellulosics	2.91
Rubber	4.37
Plastics	13.48
Cements	0.00
Inorganic Matrix	0.56
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.59E-01
Am-243	3.67E-06
Np-237	8.98E-06
Pu-238	9.54E-02
Pu-239	3.34E+00
Pu-240	7.91E-01
Pu-241	7.05E+00
Pu-242	4.52E-05
Th-229	1.64E-13
Th-230	3.92E-08
Th-232	5.80E-17
U-233	3.58E-10
U-234	4.37E-04
U-235	1.79E-05
U-236	2.35E-07
U-238	1.81E-05

Haz. Waste No(s).

D006, D007, D008, D009, D022, D040, F001

TRUCON Code(s)

116/216

Waste Stream Description

Combustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-03

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	61.4	0.0	61.4
SWB w/ 4 - 55-gal Drums w/ Liners	3.8	0.0	3.8
Current Form Total	65.1	0.0	65.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	61.4	0.0	61.4
SWB w/ 4 - 55-gal Drums w/ Liners	3.8	0.0	3.8
Final Form Total	65.1	0.0	65.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	41.25
Aluminum-based Metals/Alloys	0.17
Other Metals	4.94
Other Inorganic Materials	26.75
Cellulosics	3.41
Rubber	5.12
Plastics	15.79
Cements	0.00
Inorganic Matrix	0.66
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	135.46
Packaging Material, Plastic	35.80
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.61E-01
Am-243	9.54E-06
Cs-137	2.26E-08
Np-237	1.57E-05
Pu-238	1.58E+01
Pu-239	4.33E+00
Pu-240	1.08E+00
Pu-241	1.18E+01
Pu-242	5.21E-03
Pu-244	3.09E-09
Sr-90	2.29E-08
Th-229	2.87E-13
Th-230	8.69E-08
Th-232	7.93E-17
U-233	6.28E-10
U-234	1.20E-03
U-235	2.30E-06
U-236	3.21E-07
U-238	2.81E-08

Haz. Waste No(s).

D006, D007, D008, D009, F002

TRUCON Code(s)

116/216

Waste Stream Description

Combustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-04

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	13.5	0.0	13.5
SWB w/ 4 - 55-gal Drums w/ Liners	9.5	0.0	9.5
Current Form Total	23.0	0.0	23.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	13.5	0.0	13.5
SWB w/ 4 - 55-gal Drums w/ Liners	9.5	0.0	9.5
Final Form Total	23.0	0.0	23.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	116.09
Aluminum-based Metals/Alloys	0.47
Other Metals	13.91
Other Inorganic Materials	75.29
Cellulosics	9.61
Rubber	14.41
Plastics	44.45
Cements	0.00
Inorganic Matrix	1.85
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	163.84
Packaging Material, Plastic	28.48
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.59E-01
Am-243	3.48E-05
Cm-244	5.50E-04
Np-237	1.02E-06
Pu-238	6.82E-01
Pu-239	1.15E+00
Pu-240	2.77E-01
Pu-241	2.69E+00
Pu-242	2.14E-04
Th-229	1.21E-14
Th-230	7.39E-10
Th-232	1.64E-17
U-233	3.13E-11
U-234	1.80E-05
U-235	3.82E-07
U-236	7.38E-08
U-238	1.09E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D035, D040, F001, F002, F005

TRUCON Code(s)

117/217

Waste Stream Description

Metal

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-05

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	40.1	0.0	40.1
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Other	57.5	0.0	57.5
SWB w/ 4 - 55-gal Drums w/ Liners	41.6	0.0	41.6
Current Form Total	139.6	0.0	139.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	40.4	0.0	40.4
SWB Dir Ld w/ Liner	58.6	0.0	58.6
SWB w/ 4 - 55-gal Drums w/ Liners	41.6	0.0	41.6
Final Form Total	140.5	0.0	140.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	108.87
Aluminum-based Metals/Alloys	0.44
Other Metals	13.05
Other Inorganic Materials	70.60
Cellulosics	9.01
Rubber	13.51
Plastics	41.68
Cements	0.00
Inorganic Matrix	1.73
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	164.03
Packaging Material, Plastic	15.95
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.92E-01
Am-243	1.94E-06
Cm-244	4.88E-04
Cs-137	8.75E-09
Np-237	1.39E-06
Pu-238	1.77E+01
Pu-239	1.06E+00
Pu-240	2.64E-01
Pu-241	2.84E+00
Pu-242	8.54E-04
Pu-244	6.45E-10
Sr-90	8.90E-09
Th-229	2.41E-14
Th-230	4.65E-08
Th-232	2.34E-17
U-233	5.13E-11
U-234	7.55E-04
U-235	4.05E-06
U-236	8.62E-08
U-238	1.81E-07

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

Metal

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-06

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Glass					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Current Form Total	1.0	0.0	1.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Final Form Total	1.0	0.0	1.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	48.43
Aluminum-based Metals/Alloys	0.20
Other Metals	5.80
Other Inorganic Materials	31.41
Cellulosics	4.01
Rubber	6.01
Plastics	18.54
Cements	0.00
Inorganic Matrix	0.77
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.25E-01
Np-237	5.67E-07
Pu-238	4.66E-02
Pu-239	1.69E+00
Pu-240	4.02E-01
Pu-241	3.81E+00
Pu-242	2.34E-05
Th-229	2.83E-15
Th-230	5.05E-11
Th-232	2.38E-17
U-233	1.04E-11
U-234	1.23E-06
U-235	2.00E-07
U-236	1.07E-07
U-238	2.49E-09

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D022, D040

TRUCON Code(s)

118/218

Waste Stream Description

Glass

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-07

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Glass					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	10.2	0.0	10.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	10.5	0.0	10.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	10.4	0.0	10.4
Final Form Total	10.4	0.0	10.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	60.94
Aluminum-based Metals/Alloys	0.25
Other Metals	7.30
Other Inorganic Materials	39.52
Cellulosics	5.04
Rubber	7.56
Plastics	23.33
Cements	0.00
Inorganic Matrix	0.97
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.45E-01
Am-243	2.55E-06
Cs-137	1.53E-08
Np-237	6.13E-06
Pu-238	1.00E+01
Pu-239	4.25E+00
Pu-240	1.07E+00
Pu-241	1.32E+01
Pu-242	1.76E-02
Pu-244	1.80E-08
Sr-90	1.56E-08
Th-229	8.65E-14
Th-230	1.42E-08
Th-232	7.86E-17
U-233	2.04E-10
U-234	3.04E-04
U-235	1.21E-05
U-236	3.18E-07
U-238	8.85E-08

Haz. Waste No(s).

D009

TRUCON Code(s)

118/218

Waste Stream Description

Glass

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-08

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Hepa Filters			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.0	0.0	5.0
SWB w/ 4 - 55-gal Drums w/ Liners	20.8	0.0	20.8
Current Form Total	25.8	0.0	25.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.0	0.0	5.0
SWB w/ 4 - 55-gal Drums w/ Liners	20.8	0.0	20.8
Final Form Total	25.8	0.0	25.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	40.65
Aluminum-based Metals/Alloys	0.16
Other Metals	4.87
Other Inorganic Materials	26.36
Cellulosics	3.36
Rubber	5.05
Plastics	15.57
Cements	0.00
Inorganic Matrix	0.65
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	195.55
Packaging Material, Plastic	20.31
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.36E-02
Np-237	3.63E-07
Pu-238	3.30E+00
Pu-239	5.22E-01
Pu-240	1.24E-01
Pu-241	1.12E+00
Pu-242	8.34E-06
Th-229	4.44E-15
Th-230	4.10E-08
Th-232	9.12E-18
U-233	1.10E-11
U-234	5.04E-04
U-235	5.14E-09
U-236	3.69E-08
U-238	1.26E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219

Waste Stream Description

Hepa Filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-09

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Leaded Gloves					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.2	0.0	6.2
Current Form Total	6.2	0.0	6.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.2	0.0	6.2
Final Form Total	6.2	0.0	6.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	156.53
Aluminum-based Metals/Alloys	0.63
Other Metals	18.76
Other Inorganic Materials	101.51
Cellulosics	12.95
Rubber	19.43
Plastics	59.93
Cements	0.00
Inorganic Matrix	2.49
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.99E-01
Am-243	1.02E-06
Np-237	1.63E-06
Pu-238	6.52E+01
Pu-239	2.83E+00
Pu-240	6.97E-01
Pu-241	7.62E+00
Pu-242	2.99E-03
Pu-244	1.42E-10
Th-229	1.33E-14
Th-230	4.33E-07
Th-232	5.11E-17
U-233	3.83E-11
U-234	5.76E-03
U-235	1.87E-06
U-236	2.07E-07
U-238	1.13E-05

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D019, D021, D022, D039, D040, F001, F002, F003

TRUCON Code(s)

123/223

Waste Stream Description

Leaded Gloves

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-10

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Leaded Gloves					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.7	0.0	3.7
Current Form Total	3.7	0.0	3.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.7	0.0	3.7
Final Form Total	3.7	0.0	3.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	167.52
Aluminum-based Metals/Alloys	0.68
Other Metals	20.08
Other Inorganic Materials	108.64
Cellulosics	13.86
Rubber	20.80
Plastics	64.14
Cements	0.00
Inorganic Matrix	2.67
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.33E-01
Am-243	7.59E-07
Cs-137	2.17E-08
Np-237	3.79E-06
Pu-238	1.99E+01
Pu-239	2.99E+00
Pu-240	7.32E-01
Pu-241	8.53E+00
Pu-242	3.63E-03
Sr-90	2.21E-08
Th-229	4.66E-14
Th-230	2.71E-08
Th-232	4.34E-17
U-233	1.19E-10
U-234	5.95E-04
U-235	1.74E-06
U-236	1.95E-07
U-238	4.93E-12

Haz. Waste No(s).

D008

TRUCON Code(s)

116/216, 123/223

Waste Stream Description

Leaded Gloves

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-11

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible and NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	0.0	2.9
Current Form Total	2.9	0.0	2.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	0.0	2.9
Final Form Total	2.9	0.0	2.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	98.50
Aluminum-based Metals/Alloys	0.40
Other Metals	11.81
Other Inorganic Materials	63.88
Cellulosics	8.15
Rubber	12.23
Plastics	37.71
Cements	0.00
Inorganic Matrix	1.57
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.36E-01
Am-243	4.67E-07
Np-237	4.65E-06
Pu-238	1.29E+01
Pu-239	1.11E+00
Pu-240	2.66E-01
Pu-241	3.42E+00
Pu-242	1.53E-04
Th-229	1.45E-14
Th-230	3.45E-09
Th-232	3.11E-18
U-233	7.76E-11
U-234	1.70E-04
U-235	5.37E-07
U-236	3.15E-08
U-238	9.24E-14

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D019, D022, D039, D040, F001

TRUCON Code(s)

125/225

Waste Stream Description

Combustible and NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-12

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible and NonCombustible					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.1	0.0	3.1
SWB w/ 4 - 55-gal Drums w/ Liners	3.8	0.0	3.8
Current Form Total	6.9	0.0	6.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.1	0.0	3.1
SWB w/ 4 - 55-gal Drums w/ Liners	3.8	0.0	3.8
Final Form Total	6.9	0.0	6.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	48.59
Aluminum-based Metals/Alloys	0.20
Other Metals	5.82
Other Inorganic Materials	31.51
Cellulosics	4.02
Rubber	6.03
Plastics	18.60
Cements	0.00
Inorganic Matrix	0.77
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	174.79
Packaging Material, Plastic	25.66
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.39E-02
Np-237	6.40E-07
Pu-238	5.71E+01
Pu-239	1.08E-01
Pu-240	3.71E-02
Pu-241	1.00E+00
Pu-242	1.83E-05
Th-229	7.17E-15
Th-230	1.55E-07
Th-232	1.74E-18
U-233	1.98E-11
U-234	2.81E-03
U-235	3.32E-05
U-236	8.80E-09
U-238	1.27E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Combustible and NonCombustible

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-14

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Cemented Inorganics			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	66.8	74.3	141.0
Current Form Total	66.8	74.3	141.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	66.8	74.3	141.0
Final Form Total	66.8	74.3	141.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.13
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.07
Cellulosics	0.00
Rubber	0.00
Plastics	7.01
Cements	1310.00
Inorganic Matrix	1314.76
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.41E+01
Np-237	3.39E-04
Pu-238	3.49E+00
Pu-239	1.26E+01
Pu-240	3.14E+00
Pu-241	3.22E+01
Pu-242	1.00E-02
Pu-244	7.58E-09
Th-229	2.79E-12
Th-230	5.72E-09
Th-232	2.78E-16
U-233	8.09E-09
U-234	1.14E-04
U-235	1.42E-05
U-236	1.02E-06
U-238	5.93E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

114/214

Waste Stream Description

Cemented Inorganics

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-15

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3140	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Pyrochemical salts			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	17.7	0.0	17.7
55-gal POC - 12" w/ Liner	0.4	0.0	0.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	18.4	0.0	18.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	17.9	0.0	17.9
55-gal POC - 12" w/ Liner	0.4	0.0	0.4
Final Form Total	18.3	0.0	18.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	61.98
Aluminum-based Metals/Alloys	0.25
Other Metals	7.43
Other Inorganic Materials	40.19
Cellulosics	5.13
Rubber	7.69
Plastics	23.73
Cements	0.00
Inorganic Matrix	0.99
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	139.81
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	3.13
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.29E+00
Np-237	1.19E-05
Pu-238	5.48E+01
Pu-239	2.92E+01
Pu-240	7.13E+00
Pu-241	6.77E+01
Pu-242	5.14E-04
Th-229	7.30E-14
Th-230	7.38E-08
Th-232	5.22E-16
U-233	2.42E-10
U-234	1.62E-03
U-235	2.88E-07
U-236	2.11E-06
U-238	7.76E-13

Haz. Waste No(s).

D007, D008, D009

TRUCON Code(s)

116/216, 124/224

Waste Stream Description

Pyrochemical salts

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-17B

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	ORGANIC LIQUIDS ABSORBED ON VERMICULITE					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	2.5	5.4
Current Form Total	2.9	2.5	5.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	2.5	5.4
Final Form Total	2.9	2.5	5.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.30
Cements	0.00
Inorganic Matrix	55.57
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.91E-02
Np-237	5.81E-08
Pu-238	2.42E-01
Pu-239	2.32E-01
Pu-240	5.51E-02
Pu-241	5.74E-01
Pu-242	3.18E-06
Th-229	1.77E-16
Th-230	1.57E-10
Th-232	1.98E-18
U-233	8.31E-13
U-234	4.94E-06
U-235	1.60E-09
U-236	1.14E-08
U-238	3.35E-15

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D027, D028, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D043, F001, F002, F003, F005

TRUCON Code(s)

112/212

Waste Stream Description

ORGANIC LIQUIDS ABSORBED ON VERMICULITE

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-18

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Graphite					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.3	0.0	1.3
Current Form Total	3.0	0.0	3.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.5	0.0	2.5
Final Form Total	2.5	0.0	2.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	64.90
Aluminum-based Metals/Alloys	0.26
Other Metals	7.78
Other Inorganic Materials	42.09
Cellulosics	5.37
Rubber	8.06
Plastics	24.85
Cements	0.00
Inorganic Matrix	1.03
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.71E-01
Np-237	1.14E-06
Pu-238	4.80E+01
Pu-239	7.35E+00
Pu-240	7.80E-01
Pu-241	4.40E+00
Pu-242	2.19E-03
Pu-244	2.03E-09
Th-229	2.14E-14
Th-230	3.33E-07
Th-232	2.77E-16
U-233	3.95E-11
U-234	3.27E-03
U-235	1.59E-07
U-236	5.10E-07
U-238	7.26E-12

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

Graphite

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-19

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible debris waste (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	2.1	0.0	2.1
55-gal Drum Dir Ld w/ Liner	544.8	174.3	719.1
55-gal POC - 12" w/ Liner	5.2	0.0	5.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	255.0	0.0	255.0
Cask - Misc w/ 1 - 30-gal Drum	28.4	0.0	28.4
SWB w/ 4 - 55-gal Drums w/ Liners	2532.6	0.0	2532.6
Current Form Total	3368.1	174.3	3542.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	725.3	174.3	899.6
55-gal POC - 12" w/ Liner	5.2	0.0	5.2
SWB w/ 4 - 55-gal Drums w/ Liners	2532.6	0.0	2532.6
Final Form Total	3263.1	174.3	3437.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	7.72
Aluminum-based Metals/Alloys	0.38
Other Metals	1.12
Other Inorganic Materials	2.01
Cellulosics	30.45
Rubber	6.20
Plastics	42.63
Cements	0.00
Inorganic Matrix	0.77
Organic Matrix	0.65
Soils/gravel	0.60
Vitrified	0.00
Packaging Material, Steel	190.56
Packaging Material, Plastic	21.75
Packaging Material, Cellulosics	0.21
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.98E-01
Am-243	1.68E-06
Cm-244	4.31E-05
Cs-137	1.65E-09
Np-237	2.31E-06
Pu-238	3.36E+00
Pu-239	1.03E+00
Pu-240	2.97E-01
Pu-241	1.77E+00
Pu-242	7.44E-04
Pu-244	6.40E-10
Sr-90	6.15E-10
Th-229	4.51E-08
Th-230	5.35E-08
Th-232	7.00E-12
U-233	1.78E-05
U-234	3.59E-04
U-235	2.18E-06
U-236	5.07E-07
U-238	1.70E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D028, D035, D038, D039, D040, F001, F002, F003, F005, P120

TRUCON Code(s)

116/216, 117/217, 125/225

Waste Stream Description

Combustible waste generated from facility and equipment operations and maintenance. This waste includes paper, rags, plastic, rubber, wood-based HEPA filters, and plastic-based and cellulose-based waste generated at the facility. Plastic-based waste includes, but may not be limited to, tape, polyethylene and vinyl; gloves; plastic vials; polystyrene; Tygon tubing; polyvinyl chloride plastic; Teflon products; Plexiglas; and dry box gloves (unleaded neoprene base). Cellulose-based waste includes, but may not be limited to, rags, wood, paper, cardboard, laboratory coats and coveralls, booties and cotton gloves, and similar materials. The waste stream may also contain a smaller fraction of non-combustible solids (e.g., scrap metal, crucibles, metal lids, zippers, discarded tools) and a small fraction of homogenous solids, salts, leached solids, ash, hydroxide cakes, crucibles, impure oxides.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-19.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-LA-TA-55-19.01	0.2
55-gal Drum Dir Ld w/o Liner	WP-LA-TA-55-19.01	5.6
SWB Dir Ld w/o Liner	WP-LA-TA-55-19.01	75.6
Shipped Total		81.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	51.12
Aluminum-based Metals/Alloys	0.03
Other Metals	0.10
Other Inorganic Materials	0.27
Cellulosics	6.20
Rubber	2.18
Plastics	26.49
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.02E-01
Am-243	5.37E-05
Cs-137	1.13E-08
Np-237	4.87E-05
Pu-238	2.49E-01
Pu-239	3.06E+00
Pu-240	7.56E-01
Pu-241	7.48E+00
Pu-242	2.05E-03
Th-229	3.45E-13
Th-230	4.19E-07
Th-232	1.99E-17
U-233	1.23E-09
U-234	1.45E-03
U-235	2.80E-06
U-236	1.34E-07
U-238	4.75E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

116/216, 125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **LA-TA-55-19.02-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-LA-TA-55-19.02	16.0
55-gal Drum Dir Ld w/o Liner	WP-LA-TA-55-19.02	171.4
SWB Dir Ld w/o Liner	WP-LA-TA-55-19.02	13.2
SWB w/ 4 - 55-gal Drums w/ Liners	WP-LA-TA-55-19.02	1.9
SWB w/ 4 - 55-gal Drums w/o Liners	WP-LA-TA-55-19.02	26.5
Shipped Total		229.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.64
Aluminum-based Metals/Alloys	0.02
Other Metals	0.66
Other Inorganic Materials	3.05
Cellulosics	39.08
Rubber	4.67
Plastics	62.20
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.03
Soils/gravel	0.18
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.63E+00
Am-243	3.38E-04
Cs-137	2.42E-06
Np-237	9.45E-05
Pu-238	8.91E-01
Pu-239	3.57E+00
Pu-240	9.97E-01
Pu-241	1.39E+01
Pu-242	5.43E-03
Sr-90	2.25E-06
Th-229	7.44E-09
Th-230	7.46E-06
Th-232	8.99E-08
U-233	1.98E-05
U-234	3.52E-03
U-235	4.17E-06
U-236	1.18E-07
U-238	6.67E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

116/216, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-20

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible debris waste (non-mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	52.8	0.0	52.8
55-gal POC - 12" w/ Liner	0.2	0.0	0.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	55.3	0.0	55.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	53.0	0.0	53.0
55-gal POC - 12" w/ Liner	0.2	0.0	0.2
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	55.1	0.0	55.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.37
Aluminum-based Metals/Alloys	0.18
Other Metals	0.38
Other Inorganic Materials	2.75
Cellulosics	18.97
Rubber	0.89
Plastics	78.42
Cements	0.00
Inorganic Matrix	0.18
Organic Matrix	0.18
Soils/gravel	0.87
Vitrified	0.00
Packaging Material, Steel	135.05
Packaging Material, Plastic	36.29
Packaging Material, Cellulosics	0.52
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.19E-01
Am-243	7.42E-06
Cs-137	1.98E-08
Np-237	2.94E-05
Pu-238	3.29E+01
Pu-239	3.42E+00
Pu-240	8.67E-01
Pu-241	8.87E+00
Pu-242	7.25E-03
Pu-244	2.74E-09
Sr-90	2.01E-08
Th-229	1.12E-12
Th-230	1.84E-07
Th-232	2.63E-16
U-233	1.72E-09
U-234	2.14E-03
U-235	9.30E-06
U-236	5.61E-07
U-238	1.62E-06

Haz. Waste No(s).

F001, F002

TRUCON Code(s)

112/212, 116/216, 125/225

Waste Stream Description

Combustible waste generated from facility and equipment operations and maintenance. This waste includes paper, rags, plastic, rubber, wood-based HEPA filters, and plastic-based and cellulose-based waste generated at the facility. Plastic-based waste includes, but may not be limited to, tape, polyethylene and vinyl; gloves; plastic vials; polystyrene; Tygon tubing; polyvinyl chloride plastic; Teflon products; Plexiglas; and dry box gloves (unleaded neoprene base). Cellulose-based waste includes, but may not be limited to, rags, wood, paper, cardboard, laboratory coats and coveralls, booties and cotton gloves, and similar materials. The waste stream may also contain a smaller fraction of non-combustible solids (e.g., scrap metal, crucibles, metal lids, zippers, discarded tools) and a small fraction of homogenous solids, salts, leached solids, ash, hydroxide cakes, crucibles, impure oxides.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-21

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal debris waste (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	110.9	0.0	110.9
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	84.7	0.0	84.7
Cask - Misc w/ 1 - 30-gal Drum	13.2	0.0	13.2
Other	1.2	0.0	1.2
Current Form Total	209.9	0.0	209.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	172.4	0.0	172.4
SWB Dir Ld w/ Liner	1.9	0.0	1.9
Final Form Total	174.3	0.0	174.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	200.50
Aluminum-based Metals/Alloys	0.18
Other Metals	7.18
Other Inorganic Materials	0.85
Cellulosics	1.00
Rubber	0.32
Plastics	5.87
Cements	0.00
Inorganic Matrix	0.86
Organic Matrix	0.18
Soils/gravel	0.56
Vitrified	0.00
Packaging Material, Steel	131.05
Packaging Material, Plastic	36.61
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.45E-01
Am-243	4.72E-07
Cs-137	1.02E-09
Np-237	3.37E-06
Pu-238	1.52E+01
Pu-239	3.93E+00
Pu-240	1.08E+00
Pu-241	5.54E+00
Pu-242	1.15E-03
Pu-244	9.16E-10
Sr-90	9.36E-10
Th-229	1.38E-13
Th-230	2.25E-07
Th-232	1.30E-15
U-233	1.72E-10
U-234	1.55E-03
U-235	3.96E-06
U-236	1.39E-06
U-238	1.74E-05

Haz. Waste No(s).

D008, D019, D040

TRUCON Code(s)

116/216, 117/217

Waste Stream Description

Metal Noncombustible waste including small tools, small equipment, cans, motors, pumps, process equipment, gloveboxes, ventilation ductwork, and pipes. May also contain some glass, ceramic, porcelain, etc. as well as some small fraction of combustible waste (e.g., paper, rubber, plastics).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-22

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal debris waste (non-mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	29.3	0.0	29.3
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.6	0.0	1.6
Other	23.9	0.0	23.9
SWB w/ 4 - 55-gal Drums w/ Liners	34.0	0.0	34.0
Current Form Total	88.9	0.0	88.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	30.4	0.0	30.4
SWB Dir Ld w/ Liner	24.6	0.0	24.6
SWB w/ 4 - 55-gal Drums w/ Liners	34.0	0.0	34.0
Final Form Total	89.0	0.0	89.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	165.00
Aluminum-based Metals/Alloys	0.20
Other Metals	4.50
Other Inorganic Materials	0.40
Cellulosics	0.40
Rubber	0.80
Plastics	3.00
Cements	0.00
Inorganic Matrix	0.10
Organic Matrix	0.70
Soils/gravel	0.10
Vitrified	0.00
Packaging Material, Steel	167.78
Packaging Material, Plastic	19.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.92E-01
Am-243	7.72E-07
Cm-244	4.98E-03
Cs-137	3.76E-08
Np-237	1.25E-06
Pu-238	3.09E+01
Pu-239	1.01E+00
Pu-240	2.51E-01
Pu-241	2.33E+00
Pu-242	2.31E-04
Pu-244	2.11E-10
Sr-90	9.74E-09
Th-229	3.52E-14
Th-230	1.10E-07
Th-232	5.34E-17
U-233	5.63E-11
U-234	1.49E-03
U-235	1.72E-07
U-236	1.27E-07
U-238	7.44E-08

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217

Waste Stream Description

Metal Noncombustible waste including small tools, small equipment, cans, motors, pumps, process equipment, gloveboxes, ventilation ductwork, and pipes. May also contain some glass, ceramic, porcelain, etc. as well as some small fraction of combustible waste (e.g., paper, rubber, plastics).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-23

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Glass debris waste from PF-4 (mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	18.3	0.0	18.3
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	24.2	0.0	24.2
Cask - Misc w/ 1 - 30-gal Drum	0.8	0.0	0.8
Current Form Total	43.3	0.0	43.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	34.3	0.0	34.3
Final Form Total	34.3	0.0	34.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.52
Aluminum-based Metals/Alloys	0.71
Other Metals	0.62
Other Inorganic Materials	93.79
Cellulosics	1.29
Rubber	0.44
Plastics	7.66
Cements	0.00
Inorganic Matrix	1.55
Organic Matrix	1.52
Soils/gravel	2.44
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.41E-01
Am-243	5.93E-07
Np-237	5.61E-06
Pu-238	5.26E+00
Pu-239	6.12E+00
Pu-240	1.59E+00
Pu-241	8.31E+00
Pu-242	1.76E-04
Th-229	3.20E-13
Th-230	5.18E-08
Th-232	8.21E-16
U-233	3.47E-10
U-234	4.30E-04
U-235	6.91E-07
U-236	1.25E-06
U-238	1.24E-08

Haz. Waste No(s).

D019, D040

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

Glass waste generated from facility and equipment operations and maintenance. This waste includes, but is not limited to, broken glass discarded labware, windows, and bottles. A small fraction of combustible waste, such as plastics (mainly packaging), may also be present in this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-24

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Glass debris waste from PF-4 (non-mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.2	0.0	5.2
Current Form Total	5.2	0.0	5.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.2	0.0	5.2
Final Form Total	5.2	0.0	5.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.21
Aluminum-based Metals/Alloys	0.18
Other Metals	0.18
Other Inorganic Materials	106.29
Cellulosics	0.18
Rubber	0.18
Plastics	3.34
Cements	0.00
Inorganic Matrix	0.18
Organic Matrix	0.18
Soils/gravel	0.18
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.39E-01
Am-243	1.23E-05
Np-237	4.99E-05
Pu-238	1.66E+01
Pu-239	4.20E+00
Pu-240	1.01E+00
Pu-241	8.49E+00
Pu-242	7.46E-05
Th-229	1.94E-12
Th-230	7.71E-08
Th-232	3.06E-16
U-233	2.97E-09
U-234	9.54E-04
U-235	2.82E-05
U-236	6.51E-07
U-238	6.08E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

Glass waste generated from facility and equipment operations and maintenance. This waste includes, but is not limited to, broken glass discarded labware, windows, and bottles. A small fraction of combustible waste, such as plastics (mainly packaging), may also be present in this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-25

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	HEPA filter debris (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	11.9	0.0	11.9
SWB w/ 4 - 55-gal Drums w/ Liners	5.7	0.0	5.7
Current Form Total	19.9	0.0	19.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	10.0	0.0	10.0
SWB w/ 4 - 55-gal Drums w/ Liners	5.7	0.0	5.7
Final Form Total	15.7	0.0	15.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	14.79
Aluminum-based Metals/Alloys	0.18
Other Metals	0.18
Other Inorganic Materials	0.18
Cellulosics	4.09
Rubber	0.18
Plastics	3.57
Cements	0.00
Inorganic Matrix	0.18
Organic Matrix	0.18
Soils/gravel	0.18
Vitrified	0.00
Packaging Material, Steel	159.89
Packaging Material, Plastic	29.50
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.88E-01
Am-243	3.14E-06
Np-237	7.10E-06
Pu-238	3.97E+01
Pu-239	8.93E+00
Pu-240	1.95E+00
Pu-241	1.09E+01
Pu-242	1.07E-02
Pu-244	1.01E-08
Th-229	3.95E-13
Th-230	3.02E-07
Th-232	7.56E-16
U-233	4.42E-10
U-234	2.84E-03
U-235	2.02E-07
U-236	1.33E-06
U-238	3.73E-11

Haz. Waste No(s).

D007, D008, D009, D022, D035, D040, F001, F002, F005

TRUCON Code(s)

119/219

Waste Stream Description

HEPA filters generated from facility and equipment operations and Maintenance.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-26

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Hepa Filters					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
Current Form Total	2.3	0.0	2.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
Final Form Total	2.3	0.0	2.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	46.54
Aluminum-based Metals/Alloys	0.19
Other Metals	5.58
Other Inorganic Materials	30.18
Cellulosics	3.85
Rubber	5.78
Plastics	17.82
Cements	0.00
Inorganic Matrix	0.74
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.51E+00
Np-237	7.79E-06
Pu-238	4.96E+01
Pu-239	7.82E-01
Pu-240	3.04E-01
Pu-241	1.03E+01
Pu-242	3.95E-02
Pu-244	3.74E-08
Th-229	1.47E-13
Th-230	1.54E-07
Th-232	5.02E-17
U-233	2.81E-10
U-234	2.24E-03
U-235	1.16E-08
U-236	1.35E-07
U-238	8.95E-11

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216, 119/219

Waste Stream Description

Hepa Filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-27

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Inorganic Solid Waste					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	32.53
Aluminum-based Metals/Alloys	0.13
Other Metals	3.90
Other Inorganic Materials	21.09
Cellulosics	2.69
Rubber	4.04
Plastics	12.45
Cements	0.00
Inorganic Matrix	0.52
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.83E-03
Np-237	2.25E-08
Pu-238	1.49E-03
Pu-239	6.10E-02
Pu-240	1.42E-02
Pu-241	6.81E-02
Pu-242	8.24E-07
Th-229	5.08E-16
Th-230	1.24E-11
Th-232	6.02E-18
U-233	8.56E-13
U-234	1.11E-07
U-235	1.44E-09
U-236	1.02E-08
U-238	2.98E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Inorganic Solid Waste

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-28

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Leaded glove debris (mixed					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Current Form Total	1.0	0.0	1.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Final Form Total	1.0	0.0	1.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	257.70
Aluminum-based Metals/Alloys	0.00
Other Metals	302.90
Other Inorganic Materials	6.80
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.39E-01
Np-237	3.26E-07
Pu-238	6.55E-02
Pu-239	4.60E+00
Pu-240	5.70E-01
Pu-241	4.86E+00
Pu-242	3.29E-05
Th-229	2.02E-15
Th-230	1.51E-10
Th-232	7.07E-17
U-233	6.43E-12
U-234	2.55E-06
U-235	5.90E-08
U-236	2.20E-07
U-238	6.46E-14

Haz. Waste No(s).

D008

TRUCON Code(s)

116/216, 123/223

Waste Stream Description

Leaded gloves generated from facility and equipment operations and maintenance.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-29

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Leaded Gloves					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.1	0.0	8.1
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.3	0.0	0.3
Current Form Total	8.4	0.0	8.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.3	0.0	8.3
Final Form Total	8.3	0.0	8.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	149.69
Aluminum-based Metals/Alloys	0.61
Other Metals	17.94
Other Inorganic Materials	97.07
Cellulosics	12.39
Rubber	18.58
Plastics	57.31
Cements	0.00
Inorganic Matrix	2.39
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.33E-01
Np-237	6.62E-07
Pu-238	2.67E+02
Pu-239	6.07E-01
Pu-240	2.09E-01
Pu-241	6.01E+00
Pu-242	5.71E-03
Pu-244	4.35E-09
Th-229	5.48E-15
Th-230	6.16E-07
Th-232	2.59E-17
U-233	1.53E-11
U-234	1.04E-02
U-235	7.79E-09
U-236	8.06E-08
U-238	1.12E-11

Haz. Waste No(s).

D008

TRUCON Code(s)

123/223

Waste Stream Description

Leaded Gloves

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-30

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Non-combustible and combustible debris waste (mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
55-gal Drum Dir Ld w/ Liner	430.6	174.3	604.9
55-gal POC - 12" w/ Liner	3.5	0.0	3.5
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	141.7	0.0	141.7
Box - Crate	7.2	0.0	7.2
Cask - Misc w/ 2 - 30-gal Drums	27.2	0.0	27.2
Other	340.2	0.0	340.2
SWB w/ 4 - 55-gal Drums w/ Liners	11.3	0.0	11.3
Current Form Total	961.9	174.3	1136.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	550.6	174.3	724.9
55-gal POC - 12" w/ Liner	3.5	0.0	3.5
SWB Dir Ld w/ Liner	347.8	0.0	347.8
SWB w/ 4 - 55-gal Drums w/ Liners	11.3	0.0	11.3
Final Form Total	913.2	174.3	1087.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	259.90
Aluminum-based Metals/Alloys	0.15
Other Metals	113.81
Other Inorganic Materials	7.09
Cellulosics	42.79
Rubber	0.74
Plastics	3.52
Cements	4.07
Inorganic Matrix	3.54
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	140.19
Packaging Material, Plastic	25.34
Packaging Material, Cellulosics	0.45
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.82E-01
Am-243	4.43E-06
Cs-137	3.24E-09
Np-237	7.96E-06
Pu-238	1.48E+01
Pu-239	3.85E+00
Pu-240	1.04E+00
Pu-241	6.78E+00
Pu-242	3.91E-03
Pu-244	3.42E-09
Sr-90	3.21E-09
Th-229	3.56E-09
Th-230	1.86E-07
Th-232	3.08E-10
U-233	8.50E-07
U-234	1.37E-03
U-235	3.25E-06
U-236	1.00E-06
U-238	3.50E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

116/216, 117/217, 122/222, 123/223, 125/225

Waste Stream Description

Non-combustible and combustible waste generated from facility and equipment operations and maintenance. This waste includes, but may not be limited to, small tools, small equipment, cans, motors, pumps, process equipment, gloveboxes, ventilation ductwork, metal-based HEPA filters, pipes, glass, graphite, slag and crucibles, salt, discarded lab ware, windows, and bottles. The waste stream may also contain a smaller fraction of combustible solids (e.g., paper, rags, plastic, rubber, leaded gloves) and a small fraction of homogeneous solids (e.g., leached solids, ash, hydroxide cakes, impure oxides).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-30-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-LA-TA-55-30	10.6
55-gal Drum Dir Ld w/o Liner	WP-LA-TA-55-30	79.0
SWB w/ 4 - 55-gal Drums w/o Liners	WP-LA-TA-55-30	5.7
Shipped Total		95.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	213.70
Aluminum-based Metals/Alloys	0.41
Other Metals	2.45
Other Inorganic Materials	18.28
Cellulosics	11.63
Rubber	1.41
Plastics	14.23
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.75
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.21E+00
Am-243	6.83E-05
Cs-137	8.63E-05
Np-237	8.27E-05
Pu-238	4.74E-01
Pu-239	2.59E+00
Pu-240	7.30E-01
Pu-241	8.66E+00
Pu-242	6.28E-04
Sr-90	8.60E-05
Th-229	4.67E-08
Th-230	4.69E-09
Th-232	3.44E-07
U-233	9.96E-05
U-234	1.08E-04
U-235	2.28E-06
U-236	1.08E-07
U-238	5.85E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

116/216, 117/217, 125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-31

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Miscellaneous NonCombustible Debris Waste					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	64.3	0.0	64.3
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.6	0.0	0.6
Other	4.6	0.0	4.6
SWB w/ 4 - 55-gal Drums w/ Liners	5.7	0.0	5.7
Current Form Total	75.2	0.0	75.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	64.7	0.0	64.7
SWB Dir Ld w/ Liner	5.7	0.0	5.7
SWB w/ 4 - 55-gal Drums w/ Liners	5.7	0.0	5.7
Final Form Total	76.0	0.0	76.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	156.48
Aluminum-based Metals/Alloys	0.63
Other Metals	18.76
Other Inorganic Materials	101.48
Cellulosics	12.95
Rubber	19.43
Plastics	59.91
Cements	0.00
Inorganic Matrix	2.49
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	138.48
Packaging Material, Plastic	32.79
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.89E-01
Am-243	1.15E-07
Np-237	2.69E-06
Pu-238	5.54E-01
Pu-239	6.29E+00
Pu-240	1.62E+00
Pu-241	1.36E+01
Pu-242	1.39E-02
Pu-244	1.30E-08
Th-229	4.86E-14
Th-230	1.48E-08
Th-232	7.63E-16
U-233	9.01E-11
U-234	1.02E-04
U-235	2.44E-06
U-236	1.27E-06
U-238	2.09E-07

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217

Waste Stream Description

Miscellaneous NonCombustible Debris Waste

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-32

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Homogeneous inorganic solids (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.5	0.0	3.5
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.0	0.0	1.0
Cask - Misc w/ 2 - 30-gal Drums	0.4	0.0	0.4
SWB w/ 4 - 55-gal Drums w/ Liners	3.8	0.0	3.8
Current Form Total	8.7	0.0	8.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.6	0.0	4.6
SWB w/ 4 - 55-gal Drums w/ Liners	3.8	0.0	3.8
Final Form Total	8.4	0.0	8.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	249.47
Aluminum-based Metals/Alloys	0.00
Other Metals	293.22
Other Inorganic Materials	7.97
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	16.43
Inorganic Matrix	14.28
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	167.13
Packaging Material, Plastic	27.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.47E-01
Np-237	4.56E-06
Pu-238	3.38E+02
Pu-239	2.49E+00
Pu-240	7.14E-01
Pu-241	6.09E+00
Pu-242	1.81E-03
Pu-244	1.57E-09
Th-229	1.49E-13
Th-230	2.89E-06
Th-232	1.77E-15
U-233	2.12E-10
U-234	2.57E-02
U-235	9.13E-06
U-236	1.75E-06
U-238	8.44E-08

Haz. Waste No(s).

D008

TRUCON Code(s)

124/224, 125/225

Waste Stream Description

Homogeneous Inorganic Solids Solidified inorganic process solids generated from facility and equipment operations and maintenance. This waste consists of large chunks of filter cakes and salts.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-33

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Absorbed organics from all wings of PF4 (mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.3	0.0	1.3
Current Form Total	3.0	0.0	3.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.5	0.0	2.5
Final Form Total	2.5	0.0	2.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	254.29
Aluminum-based Metals/Alloys	0.21
Other Metals	141.79
Other Inorganic Materials	7.32
Cellulosics	35.37
Rubber	0.61
Plastics	2.93
Cements	7.35
Inorganic Matrix	6.39
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.12E-01
Np-237	5.74E-07
Pu-238	3.43E-02
Pu-239	3.43E-01
Pu-240	1.67E-01
Pu-241	1.38E+00
Pu-242	5.07E-05
Th-229	1.53E-14
Th-230	3.39E-10
Th-232	8.30E-17
U-233	2.37E-11
U-234	2.81E-06
U-235	8.80E-09
U-236	1.29E-07
U-238	1.99E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

111/211

Waste Stream Description

Solidified Organics (absorbed organics on vermiculite) from all wings of PF4. Organic liquids (solvents and oils) generated from facility and equipment operations and maintenance and absorbed on vermiculite. Hazardous materials such as methylene chloride and carbon tetrachloride may be present but PCB's are NOT expected.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-34

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Uncemented inorganics (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.4	0.0	0.4
55-gal Drum Dir Ld w/ Liner	39.7	0.0	39.7
55-gal POC - 12" w/ Liner	8.1	0.0	8.1
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	34.8	0.0	34.8
Current Form Total	83.0	0.0	83.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	62.4	0.0	62.4
55-gal POC - 12" w/ Liner	8.1	0.0	8.1
Final Form Total	70.5	0.0	70.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	2320.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	176.43
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	15.82
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.06E+00
Np-237	2.42E-05
Pu-238	8.53E-01
Pu-239	2.59E+01
Pu-240	6.53E+00
Pu-241	3.43E+01
Pu-242	2.01E-03
Pu-244	1.37E-09
Th-229	3.07E-07
Th-230	4.89E-08
Th-232	3.08E-15
U-233	1.37E-04
U-234	2.58E-04
U-235	8.55E-06
U-236	4.93E-06
U-238	3.97E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

124/224

Waste Stream Description

Uncemented inorganics from all wings of PF4 including nitrate salts generated from TA-55 nitrate operations

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-35

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented Inorganics and Spent Samples					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.6	0.0	1.6
Current Form Total	2.0	0.0	2.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.5	0.0	1.5
Final Form Total	1.5	0.0	1.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.13
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.06
Cellulosics	0.00
Rubber	0.00
Plastics	6.71
Cements	1260.00
Inorganic Matrix	1259.86
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.40E+01
Np-237	3.86E-04
Pu-238	7.18E-01
Pu-239	2.08E+01
Pu-240	4.94E+00
Pu-241	3.62E+01
Pu-242	5.94E-03
Pu-244	5.35E-09
Th-229	6.69E-12
Th-230	2.14E-08
Th-232	1.37E-15
U-233	1.34E-08
U-234	1.66E-04
U-235	4.43E-06
U-236	2.91E-06
U-238	3.82E-08

Haz. Waste No(s).

D006, D007, D008, F001, F002, F003

TRUCON Code(s)

114/214

Waste Stream Description

Cemented Inorganics and Spent Samples

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-36

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Solidified Inorganic					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	46.8	0.0	46.8
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	45.4	0.0	45.4
Other	0.3	0.0	0.3
Current Form Total	92.5	0.0	92.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	76.1	0.0	76.1
SWB Dir Ld w/ Liner	1.9	0.0	1.9
Final Form Total	78.0	0.0	78.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.12
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.06
Cellulosics	0.00
Rubber	0.00
Plastics	6.20
Cements	1160.00
Inorganic Matrix	1163.88
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	131.35
Packaging Material, Plastic	36.13
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.60E+01
Np-237	5.65E-04
Pu-238	3.95E+00
Pu-239	1.43E+01
Pu-240	3.45E+00
Pu-241	2.43E+01
Pu-242	7.44E-03
Pu-244	6.10E-09
Th-229	1.25E-11
Th-230	5.04E-08
Th-232	8.46E-16
U-233	2.21E-08
U-234	4.17E-04
U-235	8.48E-06
U-236	1.87E-06
U-238	2.37E-04

Haz. Waste No(s).

D006, D007, D008, D039

TRUCON Code(s)

114/214

Waste Stream Description

Solidified Inorganic

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-37

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Solidified Inorganic			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.3	0.0	3.3
Current Form Total	3.3	0.0	3.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.3	0.0	3.3
Final Form Total	3.3	0.0	3.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.16
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.08
Cellulosics	0.00
Rubber	0.00
Plastics	8.24
Cements	1550.00
Inorganic Matrix	1545.91
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.76E+01
Np-237	6.82E-05
Pu-238	2.89E-01
Pu-239	6.07E+00
Pu-240	1.69E+00
Pu-241	1.98E+01
Pu-242	2.04E-04
Th-229	6.62E-13
Th-230	1.20E-06
Th-232	1.78E-16
U-233	1.77E-09
U-234	1.11E-02
U-235	4.57E-04
U-236	6.01E-07
U-238	1.35E-02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

114/214

Waste Stream Description

Solidified Inorganic

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-38

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented inorganics (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.7	0.0	1.7
55-gal Drum Dir Ld w/ Liner	259.2	0.0	259.2
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	168.7	0.0	168.7
Cask - Misc w/ 2 - 30-gal Drums	5.6	0.0	5.6
Current Form Total	435.2	0.0	435.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	374.8	0.0	374.8
Final Form Total	374.8	0.0	374.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	212.31
Aluminum-based Metals/Alloys	0.15
Other Metals	135.78
Other Inorganic Materials	13.26
Cellulosics	25.61
Rubber	0.44
Plastics	2.12
Cements	89.96
Inorganic Matrix	80.15
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.43E+01
Am-243	1.06E-03
Np-237	2.09E-04
Pu-238	7.20E+00
Pu-239	1.75E+01
Pu-240	4.85E+00
Pu-241	2.73E+01
Pu-242	4.88E-03
Pu-244	3.83E-09
Th-229	6.51E-07
Th-230	1.96E-07
Th-232	6.15E-06
U-233	2.57E-04
U-234	1.10E-03
U-235	1.91E-05
U-236	4.92E-06
U-238	7.22E-04

Haz. Waste No(s).

D006, D007, D008, D011

TRUCON Code(s)

111/211

Waste Stream Description

Cemented Inorganics and Spent Samples Solidified inorganic process solids generated from facility and equipment operations and maintenance. This waste includes process leached solids, ash, filter cakes, salts, metal oxides, fines, evaporator bottoms, and sample residues (received from the CMR building) stabilized in Portland or gypsum cement.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-39

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3140	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Pyrochemical salts (mixed)			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	54.3	0.0	54.3
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	23.2	0.0	23.2
Current Form Total	77.5	0.0	77.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	69.3	0.0	69.3
Final Form Total	69.3	0.0	69.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	257.70
Aluminum-based Metals/Alloys	0.00
Other Metals	302.90
Other Inorganic Materials	6.80
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.05E+00
Np-237	1.89E-05
Pu-238	1.46E+00
Pu-239	4.89E+01
Pu-240	1.15E+01
Pu-241	5.72E+01
Pu-242	3.92E-03
Pu-244	2.99E-09
Th-229	4.26E-13
Th-230	1.26E-08
Th-232	4.87E-15
U-233	7.18E-10
U-234	1.11E-04
U-235	1.22E-06
U-236	8.21E-06
U-238	5.50E-10

Haz. Waste No(s).

D008

TRUCON Code(s)

124/224

Waste Stream Description

Pyrochemical salt waste consisting of used chloride salts from pyrochemical processes such as electrorefining, molten salt extraction, salt stripping, fluoride reduction, and direct oxide reduction. A small fraction of combustible waste, such as plastics (mainly packaging), may also be present in this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-40

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3200	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented Organics					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	0.6	0.0	0.6
Current Form Total	1.5	0.0	1.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.2	0.0	1.2
Final Form Total	1.2	0.0	1.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.13
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.06
Cellulosics	0.00
Rubber	0.00
Plastics	6.89
Cements	1290.00
Inorganic Matrix	1292.08
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.04E+01
Np-237	5.02E-04
Pu-238	6.41E-01
Pu-239	1.82E+01
Pu-240	4.42E+00
Pu-241	3.12E+01
Pu-242	3.98E-03
Pu-244	3.49E-09
Th-229	9.84E-12
Th-230	2.58E-09
Th-232	9.37E-16
U-233	1.85E-08
U-234	3.31E-05
U-235	3.06E-07
U-236	2.23E-06
U-238	1.02E-11

Haz. Waste No(s).

D006, D007, D008, D019, D021, F002, F003

TRUCON Code(s)

126/226

Waste Stream Description

Cemented Organics

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-41

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3200	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Cemented organics (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	10.8	0.0	10.8
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	9.7	0.0	9.7
Other	0.3	0.0	0.3
Current Form Total	20.8	0.0	20.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	17.1	0.0	17.1
SWB Dir Ld w/ Liner	1.9	0.0	1.9
Final Form Total	18.9	0.0	18.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	43.30
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	508.10
Inorganic Matrix	453.40
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	133.06
Packaging Material, Plastic	33.43
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.81E+01
Np-237	4.32E-04
Pu-238	1.04E+00
Pu-239	1.93E+01
Pu-240	4.68E+00
Pu-241	3.56E+01
Pu-242	1.96E-02
Pu-244	1.83E-08
Th-229	8.48E-12
Th-230	4.19E-09
Th-232	9.92E-16
U-233	1.59E-08
U-234	5.36E-05
U-235	3.23E-07
U-236	2.36E-06
U-238	5.02E-11

Haz. Waste No(s).

D006, D007, D008

TRUCON Code(s)

126/226

Waste Stream Description

Cemented Organics Solidified organic process solids and up to six liters of emulsified solvents and oils generated from facility and equipment operations and maintenance. This waste consists of process leached solids, filter cakes, or evaporator bottoms stabilized in Portland or gypsum cement.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-42

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Graphite					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	91.50
Aluminum-based Metals/Alloys	0.37
Other Metals	10.97
Other Inorganic Materials	59.34
Cellulosics	7.57
Rubber	11.36
Plastics	35.03
Cements	0.00
Inorganic Matrix	1.46
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.13E-01
Np-237	5.59E-07
Pu-238	3.61E+02
Pu-239	2.33E-01
Pu-240	1.18E-01
Pu-241	5.42E+00
Pu-242	9.60E-05
Th-229	3.65E-15
Th-230	5.91E-07
Th-232	1.05E-17
U-233	1.15E-11
U-234	1.18E-02
U-235	2.53E-09
U-236	3.86E-08
U-238	1.59E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

PU238 Graphite

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-43

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Combustible/noncombustible debris containing Pu-238 (non-mixed)			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.4	0.0	4.4
SWB w/ 4 - 55-gal Drums w/ Liners	9.5	0.0	9.5
Current Form Total	13.8	0.0	13.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.4	0.0	4.4
SWB w/ 4 - 55-gal Drums w/ Liners	9.5	0.0	9.5
Final Form Total	13.8	0.0	13.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	92.64
Aluminum-based Metals/Alloys	0.51
Other Metals	0.21
Other Inorganic Materials	0.34
Cellulosics	20.17
Rubber	0.62
Plastics	25.30
Cements	0.00
Inorganic Matrix	0.67
Organic Matrix	0.18
Soils/gravel	0.18
Vitrified	0.00
Packaging Material, Steel	185.72
Packaging Material, Plastic	22.84
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.21E-01
Am-243	1.42E-07
Np-237	1.24E-06
Pu-238	4.18E+01
Pu-239	6.81E-01
Pu-240	1.95E-01
Pu-241	1.42E+00
Pu-242	4.37E-05
Th-229	9.47E-14
Th-230	5.13E-07
Th-232	1.08E-07
U-233	9.26E-11
U-234	3.87E-03
U-235	2.23E-08
U-236	1.45E-07
U-238	1.65E-13

Haz. Waste No(s).

D008

TRUCON Code(s)

116/216, 125/225

Waste Stream Description

Combustible/noncombustible debris including paper, rags, plastic, rubber, and plastic-based and cellulose-based waste generated during 238Pu activities. Plastic-based waste includes, but may not be limited to: tape, polyethylene and vinyl; gloves; plastic vials, polystyrene; tygon tubing; polyvinyl chloride plastic; Teflon products; plexiglass; and dry box gloves (unleaded neoprene base). Cellulosebased waste includes, but may not be limited to: rags, wood, paper, and cardboard; laboratory coats and overalls; booties and cotton gloves, and similar materials. The waste may also contain HEPA filters, noncombustible glass and metallic debris. Some of this waste was packaged in small metal cans before being placed in 55 Gallon drums.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-43.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB Dir Ld w/o Liner	WP-LA-TA-55-43.01	190.9
Shipped Total		190.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	45.68
Aluminum-based Metals/Alloys	0.11
Other Metals	0.38
Other Inorganic Materials	0.13
Cellulosics	1.22
Rubber	0.19
Plastics	8.86
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.70E-03
Am-243	7.54E-08
Np-237	2.03E-07
Pu-238	2.80E+00
Pu-239	2.44E-03
Pu-240	4.00E-03
Pu-241	2.86E-02
Pu-242	2.79E-06
Th-229	2.56E-15
Th-230	1.50E-08
Th-232	2.40E-08
U-233	6.87E-12
U-234	2.41E-04
U-235	1.93E-11
U-236	9.50E-10
U-238	3.37E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-44

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible/noncombustible debris containing Pu-238 (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	12.10
Aluminum-based Metals/Alloys	1.30
Other Metals	1.10
Other Inorganic Materials	8.30
Cellulosics	9.60
Rubber	4.40
Plastics	17.70
Cements	508.10
Inorganic Matrix	2.70
Organic Matrix	1.70
Soils/gravel	2.10
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.51E-02
Np-237	1.69E-08
Pu-238	3.70E-02
Pu-239	7.58E-01
Pu-240	2.11E-01
Pu-241	3.55E+00
Pu-242	3.02E-05
Th-229	9.29E-18
Th-230	7.71E-12
Th-232	2.48E-18
U-233	9.77E-14
U-234	4.26E-07
U-235	2.99E-09
U-236	2.51E-08
U-238	1.82E-14

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

Combustible/noncombustible debris: heat source fabrication, 238Pu from SRS. Combustible/noncombustible debris including paper, rags, plastic, rubber, and plastic-based and cellulose-based waste generated during 238Pu activities. Plastic-based waste includes, but may not be limited to: tape, polyethylene and vinyl; gloves; plastic vials, polystyrene; tygon tubing; polyvinyl chloride plastic; Teflon products; plexiglass; and dry box gloves (unleaded neoprene base). Cellulosebased waste includes, but may not be limited to: rags, wood, paper, and cardboard; laboratory coats and overalls; booties and cotton gloves, and similar materials. The waste may also contain noncombustible glass and metallic debris. Some of this waste was packaged in small metal cans before being placed in 55 Gallon drums. This waste stream may contain lead items, or items from process status code R8, PPD, TDC (which may be mixed waste items).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-46

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	MIXED NONCOMBUSTIBLE DEBRIS WASTE					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	60.51
Aluminum-based Metals/Alloys	0.24
Other Metals	7.25
Other Inorganic Materials	39.24
Cellulosics	5.01
Rubber	7.51
Plastics	23.17
Cements	0.00
Inorganic Matrix	0.96
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.46E-04
Np-237	1.76E-09
Pu-238	3.48E-01
Pu-239	2.44E-04
Pu-240	1.25E-04
Pu-241	3.49E-03
Pu-242	1.00E-07
Th-229	3.97E-17
Th-230	1.97E-09
Th-232	3.65E-20
U-233	6.80E-14
U-234	2.14E-05
U-235	4.82E-12
U-236	7.40E-11
U-238	3.03E-16

Haz. Waste No(s).

D006, D007, D008, D009, D010

TRUCON Code(s)

125/225

Waste Stream Description

MIXED NONCOMBUSTIBLE DEBRIS WASTE

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-47

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	HEPA FILTERS					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	2.1	0.0	2.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	2.1	0.0	2.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	30.07
Aluminum-based Metals/Alloys	0.12
Other Metals	3.60
Other Inorganic Materials	19.50
Cellulosics	2.49
Rubber	3.73
Plastics	11.51
Cements	0.00
Inorganic Matrix	0.48
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	203.14
Packaging Material, Plastic	18.35
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.47E-04
Np-237	1.75E-09
Pu-238	6.16E-02
Pu-239	1.33E-02
Pu-240	3.13E-03
Pu-241	2.60E-02
Pu-242	1.97E-07
Th-229	1.08E-17
Th-230	1.42E-10
Th-232	3.88E-19
U-233	3.45E-14
U-234	2.39E-06
U-235	1.71E-10
U-236	1.21E-09
U-238	3.86E-16

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219, 125/225

Waste Stream Description

HEPA FILTERS

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-50

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3200	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Solidified Organics					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	2.9	0.0	2.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	2.9	0.0	2.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.01
Cellulosics	0.00
Rubber	0.00
Plastics	0.76
Cements	0.00
Inorganic Matrix	142.23
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	182.60
Packaging Material, Plastic	23.65
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.05E-02
Np-237	2.64E-08
Pu-238	8.32E-01
Pu-239	5.66E-02
Pu-240	1.50E-02
Pu-241	1.80E-01
Pu-242	1.72E-06
Th-229	1.31E-16
Th-230	9.01E-10
Th-232	8.91E-19
U-233	4.83E-13
U-234	2.20E-05
U-235	5.02E-10
U-236	4.01E-09
U-238	2.34E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

112/212

Waste Stream Description

Solidified Organics

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-53

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3140	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Pyrochemical salts from PF-4 (mixed)			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	11.9	0.0	11.9
Current Form Total	11.9	0.0	11.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	11.9	0.0	11.9
Final Form Total	11.9	0.0	11.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.40
Aluminum-based Metals/Alloys	0.18
Other Metals	0.21
Other Inorganic Materials	3.72
Cellulosics	0.18
Rubber	0.18
Plastics	0.35
Cements	508.10
Inorganic Matrix	127.04
Organic Matrix	162.88
Soils/gravel	20.17
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.43E+00
Np-237	5.94E-06
Pu-238	8.19E-01
Pu-239	2.57E+01
Pu-240	6.35E+00
Pu-241	7.31E+01
Pu-242	4.62E-04
Th-229	1.34E-14
Th-230	3.88E-10
Th-232	1.67E-16
U-233	7.31E-11
U-234	1.43E-05
U-235	1.52E-07
U-236	1.13E-06
U-238	4.18E-13

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D021, D022, D035, D039, D040, F001, F002, F005, P120

TRUCON Code(s)

124/224

Waste Stream Description

Pyrochemical salt waste (homogeneous) consisting of used chloride salts from pyrochemical processes such as electrorefining, molten salt extraction, salt stripping, fluoride reduction, and direct oxide reduction. A small fraction of combustible waste, such as plastics (mainly packaging), may also be present in this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-54

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SALT, SLAG, AND CRUCIBLE ITEMS					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Current Form Total	1.0	0.0	1.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Final Form Total	1.0	0.0	1.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	78.60
Aluminum-based Metals/Alloys	0.32
Other Metals	9.42
Other Inorganic Materials	50.97
Cellulosics	6.50
Rubber	9.76
Plastics	30.09
Cements	0.00
Inorganic Matrix	1.25
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.55E+00
Np-237	9.47E-06
Pu-238	5.93E+00
Pu-239	7.73E+00
Pu-240	2.18E+00
Pu-241	1.31E+01
Pu-242	3.11E-04
Th-229	3.17E-13
Th-230	5.40E-08
Th-232	9.97E-16
U-233	4.44E-10
U-234	4.65E-04
U-235	1.91E-07
U-236	1.61E-06
U-238	1.17E-12

Haz. Waste No(s).

D007, D008, D009

TRUCON Code(s)

122/222, 125/225

Waste Stream Description

SALT, SLAG, AND CRUCIBLE ITEMS

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-56

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Noncombustible and combustible debris waste (non-mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.5	0.0	7.5
55-gal POC - 12" w/ Liner	1.9	0.0	1.9
Current Form Total	9.4	0.0	9.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.5	0.0	7.5
55-gal POC - 12" w/ Liner	1.9	0.0	1.9
Final Form Total	9.4	0.0	9.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	240.80
Aluminum-based Metals/Alloys	0.20
Other Metals	0.90
Other Inorganic Materials	9.30
Cellulosics	1.10
Rubber	0.20
Plastics	6.80
Cements	0.00
Inorganic Matrix	0.20
Organic Matrix	0.20
Soils/gravel	0.20
Vitrified	0.00
Packaging Material, Steel	210.12
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	27.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.23E+00
Am-243	1.29E-05
Cs-137	4.12E-08
Np-237	7.47E-05
Pu-238	2.31E+00
Pu-239	1.73E+01
Pu-240	4.28E+00
Pu-241	2.06E+01
Pu-242	3.02E-04
Sr-90	4.15E-08
Th-229	6.50E-12
Th-230	3.68E-08
Th-232	1.66E-15
U-233	6.37E-09
U-234	2.58E-04
U-235	5.38E-06
U-236	2.92E-06
U-238	3.39E-08

Haz. Waste No(s).

D008, D040, F001

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

SMALL TOOLS, SMALL EQUPMENT, CANS, MOTORS, PUMPS, PROCESS EQUIP. GLOVEBOXES ETC. Noncombustible and combustible waste generated from facility and equipment operations and maintenance. This waste includes, but may not be limited to, small tools, small equipment, cans, motors, pumps, process equipment, gloveboxes, ventilation ductwork, metal-based HEPA filters, pipes, glass, graphite, slag and crucibles, salt, discarded lab ware, windows, and bottles. The waste stream may also contain a smaller fraction of combustible solids (e.g., paper, rags, plastic, rubber, leaded gloves) and a small fraction of homogeneous solids (e.g. leached solids, ash, hydroxide cakes, impure oxides).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-60

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal debris waste from all wings of PF4 (non-mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	62.4	0.0	62.4
Box - FRP	1.1	0.0	1.1
Other	60.6	0.0	60.6
Current Form Total	124.1	0.0	124.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	128.5	0.0	128.5
Final Form Total	128.5	0.0	128.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	258.16
Aluminum-based Metals/Alloys	0.00
Other Metals	294.54
Other Inorganic Materials	6.80
Cellulosics	1.96
Rubber	0.03
Plastics	0.16
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.01E-02
Np-237	2.90E-05
Pu-238	7.71E-02
Pu-239	9.90E-02
Pu-240	3.42E-02
Pu-241	4.87E-01
Pu-242	3.14E-03
Pu-244	2.97E-09
Th-229	4.30E-12
Th-230	8.28E-10
Th-232	1.83E-17
U-233	3.40E-09
U-234	6.59E-06
U-235	2.64E-09
U-236	2.74E-08
U-238	2.76E-09

Haz. Waste No(s).

D008, D011

TRUCON Code(s)

117/217

Waste Stream Description

Noncombustible scrap items generated from facility and equipment decontamination and decommissioning. This waste includes small tools, cans, small equipment items, motors, pumps, and process equipment. A small fraction of combustible waste, such as plastics (mainly packaging) may also be present in this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-61

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Metal debris waste from all wings of PF-4 (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	120.1	0.0	120.1
Box - FRP	15.0	0.0	15.0
Other	61.2	0.0	61.2
Current Form Total	196.4	0.0	196.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	198.5	0.0	198.5
Final Form Total	198.5	0.0	198.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	257.70
Aluminum-based Metals/Alloys	0.00
Other Metals	302.90
Other Inorganic Materials	6.80
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.96E-02
Np-237	1.55E-07
Pu-238	2.67E-01
Pu-239	1.29E-01
Pu-240	4.40E-02
Pu-241	3.52E-01
Pu-242	8.96E-05
Pu-244	7.54E-11
Th-229	4.23E-15
Th-230	2.43E-09
Th-232	2.02E-17
U-233	6.49E-12
U-234	2.09E-05
U-235	3.17E-09
U-236	3.26E-08
U-238	3.38E-13

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217

Waste Stream Description

Metal waste generated from facility and equipment decontamination and decommissioning activities.. This waste includes small tools, cans, small equipment items, motors, pumps, and process equipment. This waste also includes gloveboxes and associated ducting, equipment, and construction debris associated with the removal of gloveboxes. A small fraction of combustible waste, such as plastics (mainly packaging), may also be present in this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-62

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Combustible/noncombustible debris waste from all wings of PF-4 (mixed)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	42.1	0.0	42.1
Current Form Total	42.1	0.0	42.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	43.5	0.0	43.5
Final Form Total	43.5	0.0	43.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	272.60
Aluminum-based Metals/Alloys	0.00
Other Metals	30.30
Other Inorganic Materials	6.80
Cellulosics	64.00
Rubber	1.10
Plastics	5.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.07E-03
Np-237	4.14E-08
Pu-238	2.67E-03
Pu-239	2.26E-02
Pu-240	1.08E-02
Pu-241	9.94E-02
Pu-242	3.60E-06
Th-229	1.11E-15
Th-230	2.65E-11
Th-232	5.38E-18
U-233	1.71E-12
U-234	2.19E-07
U-235	5.79E-10
U-236	8.37E-09
U-238	1.41E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Combustible waste generated from facility and equipment decontamination and decommissioning activities. Combustible waste includes paper, rags, plastic, rubber, and plastic-based and cellulose-based waste. Noncombustible waste includes items such as small tools, cans, small equipment items, and broken glass.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-63

Appendix A

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	HEPA filter debris from all wings of PF-4 (mixed)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Crate	3.2	0.0	3.2
Current Form Total	3.2	0.0	3.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	3.8	0.0	3.8
Final Form Total	3.8	0.0	3.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	272.60
Aluminum-based Metals/Alloys	0.00
Other Metals	30.30
Other Inorganic Materials	6.80
Cellulosics	64.00
Rubber	1.10
Plastics	5.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.42E-03
Np-237	1.67E-08
Pu-238	1.55E-03
Pu-239	6.16E-02
Pu-240	1.44E-02
Pu-241	8.34E-02
Pu-242	8.33E-07
Th-229	2.56E-16
Th-230	8.79E-12
Th-232	4.22E-18
U-233	5.22E-13
U-234	9.52E-08
U-235	1.22E-09
U-236	8.55E-09
U-238	2.51E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219

Waste Stream Description

HEPA filters generated from facility and equipment operations and maintenance

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LB-T001

Appendix A

TRU Waste Inventory Profile Report

Site	Lawrence Berkeley Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	LBL-Waste			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
12.2-gal Drum	0.1	0.0	0.1
Current Form Total	0.1	0.0	0.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.2	0.4
Final Form Total	0.2	0.2	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	11.10
Aluminum-based Metals/Alloys	0.00
Other Metals	3.09
Other Inorganic Materials	1.35
Cellulosics	1.52
Rubber	0.00
Plastics	2.09
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.97E-02
Am-243	4.50E-04
Np-237	1.60E-04
Pu-238	1.06E-04
Pu-239	1.90E-03
Pu-240	4.70E-04
Pu-241	1.89E-04
Pu-242	4.10E-05
Pu-244	1.80E-13
Th-229	1.36E-06
Th-230	1.50E-12
Th-232	5.00E-09
U-233	2.90E-03
U-234	6.69E-08
U-235	1.90E-08
U-236	6.97E-11
U-238	4.70E-03

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Heterogeneous transuranic, non mixed waste

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BLCHDN.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-BLCHDN.001	0.2
55-gal Drum Dir Ld w/o Liner	WP-BLCHDN.001	1.5
Shipped Total		1.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	61.42
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	13.70
Cellulosics	5.41
Rubber	1.80
Plastics	40.99
Cements	0.00
Inorganic Matrix	11.12
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.58E-02
Am-243	1.34E-03
Cm-244	1.22E-01
Np-237	5.38E-04
Pu-238	5.28E-02
Pu-239	2.19E-07
Pu-240	2.69E-05
Pu-241	1.47E-05
Th-229	4.40E-13
Th-230	2.73E-12
Th-232	2.68E-23
U-233	4.69E-09
U-234	3.02E-07
U-235	2.17E-16
U-236	8.07E-13

Haz. Waste No(s).

F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

A - LL - 1

Waste Stream ID: LL-M001

Appendix A

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	R&D Glovebox Waste (Form 1)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	17.5	15.8	33.3
55-gal Drum Dir Ld w/o Liner	19.6	19.8	39.3
55-gal POC - 12" w/o Liner	2.7	4.0	6.7
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Current Form Total	41.6	39.5	81.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	17.5	15.8	33.3
55-gal Drum Dir Ld w/o Liner	20.4	19.8	40.1
55-gal POC - 12" w/o Liner	2.7	4.0	6.7
Final Form Total	40.6	39.5	80.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.00
Aluminum-based Metals/Alloys	5.00
Other Metals	2.00
Other Inorganic Materials	1.00
Cellulosics	100.00
Rubber	5.00
Plastics	100.00
Cements	70.00
Inorganic Matrix	5.00
Organic Matrix	5.00
Soils/gravel	1.00
Vitrified	0.00
Packaging Material, Steel	163.76
Packaging Material, Plastic	15.38
Packaging Material, Cellulosics	11.43
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.68E+00
Am-243	8.57E-04
Cm-244	2.95E+00
Cs-137	1.95E-03
Np-237	4.84E-05
Pu-238	1.70E+00
Pu-239	1.48E+00
Pu-240	5.50E-01
Pu-241	6.90E+00
Pu-242	2.98E-04
Sr-90	2.84E-08
Th-229	3.62E-06
Th-230	8.41E-07
Th-232	1.46E-08
U-233	1.10E-03
U-234	2.88E-05
U-235	2.09E-06
U-238	6.23E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D035, D040, F001, F002, F005

TRUCON Code(s)

116/216

Waste Stream Description

Specific waste items in this waste stream may include paper cartons, cardboard, Kimwipes, cotton swabs, tissues, cheesecloth, grinding paper, plastic (e.g., bags, sheet, tape, containers, pipette tips, and glovebox windows), Neoprene and Hypalon gloves (leaded and non-leaded), aluminum foil, tin cans, hardware (e.g., nuts, bolts, washers, fittings, gauges, fixtures, thermocouples), metal tools (e.g., screwdrivers and pliers), metal parts, equipment (with or without circuit boards), copper (wire, tubing, flanges, rods, and molds), sealed sources, aerosol cans, glass (e.g., beakers, vials, and ion exchange columns with resin), graphite molds , crucibles (magnesium oxide, tantalum), epoxy resin chunks, lead metal (e.g., bricks, foil), Kaufman cans (lead seams), lead-lined and cadmium-lined steel cans, mercury batteries, fluorescent and incandescent light bulbs, and small quantities of pyrochemical salts and solidified aqueous or organic liquids (individual drums contain less than 50 percent, by volume, solidified liquids, and/or salts).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LL-M001-S5400-S

Appendix A

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-LL-M001-S5400	136.4
55-gal Drum Dir Ld w/o Liner	WP-LL-M001-S5400	2.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-LL-M001-S5400	3.8
Shipped Total		143.1

Waste Material Parameters

Material Parameter	**Average Density (kg/m^3)**
Iron-based Metals/Alloys	88.62
Aluminum-based Metals/Alloys	2.36
Other Metals	3.76
Other Inorganic Materials	7.07
Cellulosics	5.01
Rubber	11.09
Plastics	57.87
Cements	0.00
Inorganic Matrix	14.54
Organic Matrix	3.08
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	**Typical Concentration (Ci/m^3)**
Am-241	2.03E+00
Am-243	9.47E-05
Cm-244	2.21E-01
Cs-137	1.47E-07
Np-237	5.10E-04
Pu-238	2.51E+00
Pu-239	4.18E+00
Pu-240	1.17E+00
Pu-241	1.51E+01
Pu-242	2.21E-04
Sr-90	1.45E-07
Th-229	4.16E-13
Th-230	2.48E-09
Th-232	3.44E-18
U-233	4.44E-09
U-234	1.45E-04
U-235	3.47E-06
U-236	6.97E-08
U-238	2.47E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D035, D040, F001, F002, F005

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LL-T004

Appendix A

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3141	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Pyrochemical salt waste (Form 4)			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1.2	0.0	1.2
Current Form Total	1.2	0.0	1.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1.2	0.0	1.2
Final Form Total	1.2	0.0	1.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	20.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	290.00
Cellulosics	2.00
Rubber	0.00
Plastics	20.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.52E+01
Cm-244	1.45E-03
Np-237	5.75E-05
Pu-238	1.24E+00
Pu-239	3.16E+00
Pu-240	1.54E+00
Pu-241	2.08E+01
Pu-242	9.60E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

124/224

Waste Stream Description

The waste consists primarily of used chloride and fluoride salts from pyrochemical processes such as electrorefining, molten salt extraction, and direct oxide reduction. There may also be up to 20% heterogeneous organic glovebox bagout waste packaged with the salt waste. This waste does not contain any RCRA listed hazardous materials.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LL-W018a

Appendix A

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5100
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Combined metal scrap & incidental combust.(Form 3)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	2.6	0.0	2.6
Box - Misc	3.6	0.0	3.6
Box - Misc	3.8	0.0	3.8
Box - Misc	3.9	0.0	3.9
Box - Misc	4.8	0.0	4.8
Box - Misc	4.9	0.0	4.9
Box - Misc	5.5	0.0	5.5
Box - Misc	6.4	0.0	6.4
Box - Misc	6.5	0.0	6.5
Box - Misc	7.1	0.0	7.1
Box - Misc	7.1	0.0	7.1
Box - Misc	11.8	0.0	11.8
Box - Misc	86.9	0.0	86.9
SWB Dir Ld w/o Liner	15.1	47.3	62.4
Current Form Total	169.9	47.3	217.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SLB2 (5' x 5' x 8) Dir Ld	209.4	0.0	209.4
SWB Dir Ld w/o Liner	15.1	47.3	62.4
Final Form Total	224.5	47.3	271.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	150.00
Aluminum-based Metals/Alloys	20.00
Other Metals	10.00
Other Inorganic Materials	5.00
Cellulosics	5.00
Rubber	2.00
Plastics	20.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	2.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	201.89
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.75E+01
Am-243	2.30E-06
Cm-244	2.01E-04
Cs-137	3.54E-03
Np-237	1.55E-06
Pu-238	2.90E+00
Pu-239	1.34E-01
Pu-240	7.12E-04
Pu-241	1.05E-01
Pu-242	3.36E-08
Sr-90	1.11E-02
U-233	1.10E-03
U-234	2.88E-05
U-235	9.47E-08
U-238	6.23E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D035, D040, F001, F002, F005

TRUCON Code(s)

125/225

Waste Stream Description

This waste steram is composed primarily of objects which, because of physical size, cannot be packaged in a 55-gallon drum. Typical objects include decommissioned gloveboxes, hoods, and large pieces of equipment (lathes, mills, etc.). This waste stream may contain lead metal (e.g., bricks, foil), Kaufman cans (lead seams), lead-lined and cadmium-lined steel cans, mercury batteries, fluorescent and incandescent light bulbs. The void space in boxes may be filled with other TRU waste items or with foam in plastic bags.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LL-W018b

Appendix A

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Sealed Sources			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	4.2	4.0	8.1
Current Form Total	4.2	4.0	8.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal POC - 12" w/ Liner	4.2	4.0	8.1
Final Form Total	4.2	4.0	8.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.20
Aluminum-based Metals/Alloys	1.30
Other Metals	250.00
Other Inorganic Materials	10.00
Cellulosics	1.40
Rubber	2.90
Plastics	2.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	34.10
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.56E-02
Cm-244	4.10E-05
Np-237	2.36E-09
Pu-238	3.79E-03
Pu-239	4.05E-02
Pu-240	1.21E-02
Pu-241	3.57E-01
Pu-242	2.58E-06
U-235	3.88E-11

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Specific waste items in this waste stream include sealed sources composed primarily of metal or metal encapsulated in a plastic or resin disk. Other waste items consist of packaging including cans, ice cream cartons, and plastic bags, sheet, and tape, bentonite clay or other inorganic absorbents such as Floor Dr

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LL-W019

Appendix A

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3900
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Solidified Waste (Form 2)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	15.8	0.0	15.8
Current Form Total	15.8	0.0	15.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	15.8	0.0	15.8
Final Form Total	15.8	0.0	15.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	30.00
Aluminum-based Metals/Alloys	5.00
Other Metals	1.00
Other Inorganic Materials	1.00
Cellulosics	10.00
Rubber	1.00
Plastics	20.00
Cements	205.00
Inorganic Matrix	100.00
Organic Matrix	100.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.99E+00
Am-243	1.42E-07
Cm-244	1.08E-03
Cs-137	1.82E-06
Np-237	8.68E-05
Pu-238	1.37E+00
Pu-239	4.11E+00
Pu-240	1.17E+00
Pu-241	1.78E+01
Pu-242	2.37E-04
Sr-90	1.82E-06
U-233	6.64E-02
U-234	9.96E-06
U-235	3.75E-05
U-238	7.46E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D035, D040, F001, F002, F005

TRUCON Code(s)

113/213

Waste Stream Description

This waste stream consists of drums with 50 percent or greater by volume solidified aqueous or organic liquids. Additional waste in each container includes glovebox trash.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: MC-W001

Appendix A

TRU Waste Inventory Profile Report

Site	U.S. Army Materiel Command	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5110	**Handling**	CH
Source Cat.	Discarding Excess/Expired Materials	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	USAMC TRU Waste					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
Current Form Total	0.1	0.0	0.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal S300 POC - 12" w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	190.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	226.90
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Np-237	1.90E-04
Pu-239	2.43E-02
Th-229	2.82E-11
U-233	2.23E-08
U-235	6.47E-10

No Hazardous Waste Numbers Provided

TRUCON Code(s)

120/220

Waste Stream Description

Army sealed sources

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: NT-JAS-01

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Combined metal scrap and incidental combustibles			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	20.8	362.9	383.7
Current Form Total	20.8	362.9	383.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	20.8	362.9	383.7
Final Form Total	20.8	362.9	383.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	20.00
Aluminum-based Metals/Alloys	3.00
Other Metals	1.00
Other Inorganic Materials	1.00
Cellulosics	1.00
Rubber	1.00
Plastics	1.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.45E-01
Np-237	1.36E-07
Pu-238	6.86E-02
Pu-239	9.92E-02
Pu-240	8.02E-02
Pu-241	2.12E+00
Th-229	8.21E-17
Th-230	8.00E-12
Th-232	5.28E-19
U-233	8.81E-13
U-234	5.91E-07
U-235	2.93E-10
U-236	7.14E-09

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Waste stream consists of spent Primary Target Chambers from Jasper gas gun experiments. PTCs are metal chambers used to contain debris from the impact of a sabot on a disk of plutonium metal.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: NTLBL-S5400-S

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-NTLBL-S5400	1.2
55-gal Drum Dir Ld w/o Liner	WP-NTLBL-S5400	0.4
Shipped Total		1.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	68.85
Aluminum-based Metals/Alloys	0.00
Other Metals	19.04
Other Inorganic Materials	35.81
Cellulosics	8.37
Rubber	4.61
Plastics	18.87
Cements	0.00
Inorganic Matrix	1.74
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.29E-01
Am-243	3.49E-03
Cm-244	5.60E-01
Cs-137	3.18E-05
Np-237	4.06E-04
Pu-238	8.86E-02
Pu-239	4.04E-01
Pu-240	9.15E-02
Pu-241	2.12E+00
Pu-242	1.27E-05
Sr-90	3.18E-05
Th-229	8.30E-14
Th-230	1.14E-12
Th-232	6.70E-20
U-233	1.77E-09
U-234	2.52E-07
U-235	3.99E-10
U-236	2.71E-09
U-238	1.92E-15

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, F001, F002, F003, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: NTLRC-S5400-S

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-NTLRC-S5400	3.1
Shipped Total		3.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	48.02
Aluminum-based Metals/Alloys	10.80
Other Metals	9.85
Other Inorganic Materials	18.63
Cellulosics	26.85
Rubber	31.38
Plastics	73.04
Cements	0.00
Inorganic Matrix	9.45
Organic Matrix	0.57
Soils/gravel	0.17
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.52E+00
Am-243	1.13E-05
Cs-137	3.68E-07
Np-237	7.83E-05
Pu-238	1.86E-01
Pu-239	2.31E+00
Pu-240	8.47E-01
Pu-241	1.12E+01
Pu-242	9.39E-05
Sr-90	3.67E-07
Th-229	1.59E-14
Th-230	1.28E-08
Th-232	6.20E-19
U-233	3.40E-10
U-234	1.42E-03
U-235	4.74E-05
U-236	2.51E-08
U-238	3.37E-05

Haz. Waste No(s).

D005, D008, D009, D011, D019, D035, D040, F001, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: NT-RF-BERYLLIUM-S

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-NT-RF-BERYLLIUM	29.3
Shipped Total		29.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.88
Aluminum-based Metals/Alloys	4.01
Other Metals	158.30
Other Inorganic Materials	1.17
Cellulosics	8.92
Rubber	0.09
Plastics	15.77
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.29E-01
Am-243	3.13E-08
Np-237	1.35E-06
Pu-238	3.26E-02
Pu-239	8.28E-01
Pu-240	1.88E-01
Pu-241	1.54E+00
Pu-242	1.47E-05
Th-229	1.90E-08
Th-230	2.77E-10
Th-232	1.38E-19
U-233	2.03E-04
U-234	3.08E-05
U-235	6.11E-07
U-236	5.57E-09
U-238	7.89E-06

Haz. Waste No(s).

D007, F002

TRUCON Code(s)

125/225, 133/233

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **NT-RF-GRAPHITE-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-NT-RF-GRAPHITE	3.7
Shipped Total		3.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.32
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	291.08
Cellulosics	2.30
Rubber	0.61
Plastics	12.55
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.72E-01
Np-237	8.36E-06
Pu-238	3.22E-01
Pu-239	1.04E+01
Pu-240	1.92E+00
Pu-241	1.81E+01
Pu-242	1.40E-04
Th-229	1.67E-15
Th-230	1.41E-10
Th-232	1.41E-18
U-233	3.58E-11
U-234	1.61E-05
U-235	1.02E-08
U-236	5.71E-08
U-238	7.58E-06

Haz. Waste No(s).

D008

TRUCON Code(s)

115/215, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: NT-RF-METAL-S

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-NT-RF-METAL	5.6
55-gal Drum Dir Ld w/o Liner	WP-NT-RF-METAL	0.4
Shipped Total		6.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	166.64
Aluminum-based Metals/Alloys	25.59
Other Metals	4.59
Other Inorganic Materials	0.24
Cellulosics	7.26
Rubber	0.65
Plastics	21.28
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.12E-01
Am-243	4.51E-07
Np-237	1.86E-06
Pu-238	3.56E-02
Pu-239	1.12E+00
Pu-240	2.77E-01
Pu-241	2.65E+00
Pu-242	2.24E-05
Th-229	3.76E-16
Th-230	6.65E-08
Th-232	2.03E-19
U-233	8.05E-12
U-234	7.39E-03
U-235	4.54E-06
U-236	8.21E-09
U-238	3.70E-03

No Hazardous Waste Numbers Provided

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: NTS54332R0-S

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-NTS54332R0	235.0
55-gal Drum Dir Ld w/o Liner	WP-NTS54332R0	47.6
SWB w/ 4 - 55-gal Drums w/ Liners	WP-NTS54332R0	24.6
Shipped Total		307.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	45.13
Aluminum-based Metals/Alloys	2.90
Other Metals	3.84
Other Inorganic Materials	6.28
Cellulosics	13.22
Rubber	11.05
Plastics	46.10
Cements	0.00
Inorganic Matrix	10.47
Organic Matrix	3.40
Soils/gravel	0.08
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.89E-01
Am-243	4.23E-05
Cm-244	9.95E-03
Cs-137	7.92E-07
Np-237	4.64E-05
Pu-238	8.22E-02
Pu-239	1.20E+00
Pu-240	3.14E-01
Pu-241	3.62E+00
Pu-242	3.38E-05
Sr-90	8.08E-07
Th-229	1.33E-07
Th-230	1.63E-09
Th-232	9.21E-19
U-233	7.08E-04
U-234	9.08E-05
U-235	3.25E-03
U-236	1.86E-08
U-238	3.29E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D040, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: NTS54COMR0-S

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-NTS54COMR0	39.5
55-gal Drum Dir Ld w/o Liner	WP-NTS54COMR0	8.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-NTS54COMR0	1.9
Shipped Total		50.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	50.86
Aluminum-based Metals/Alloys	4.45
Other Metals	5.66
Other Inorganic Materials	8.36
Cellulosics	20.52
Rubber	12.84
Plastics	55.40
Cements	0.00
Inorganic Matrix	3.71
Organic Matrix	0.66
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.77E-01
Am-243	4.16E-04
Cm-244	5.10E-01
Cs-137	1.68E-06
Np-237	9.65E-05
Pu-238	4.28E-01
Pu-239	1.02E+00
Pu-240	2.42E-01
Pu-241	2.50E+00
Pu-242	3.66E-05
Sr-90	1.68E-06
Th-229	9.73E-07
Th-230	7.46E-10
Th-232	7.10E-19
U-233	5.19E-03
U-234	4.27E-05
U-235	2.62E-07
U-236	1.44E-08
U-238	1.75E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D040, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **NTS54MIX1R0-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-NTS54MIX1R0	0.4
Shipped Total		0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	33.89
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	2.40
Cellulosics	38.46
Rubber	41.59
Plastics	38.46
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.14E-03
Am-243	2.30E-04
Cs-137	1.81E-04
Np-237	1.90E-06
Pu-238	9.76E-04
Pu-239	6.96E-02
Pu-240	1.67E-02
Pu-241	5.70E-02
Pu-242	1.64E-06
Th-229	6.03E-15
Th-230	2.03E-13
Th-232	1.96E-19
U-233	3.22E-11
U-234	1.12E-08
U-235	2.74E-10
U-236	1.99E-09
U-238	9.90E-16

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D040, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: NT-W001

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Heterogeneous Debris, Uncategorized			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 85-gal Drum	0.4	0.0	0.4
55-gal Drum Dir Ld w/ Liner	19.6	2.5	22.0
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.6	0.0	1.6
Box - Misc	238.7	0.0	238.7
Current Form Total	260.3	2.5	262.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	11.2	2.5	13.7
SWB Dir Ld w/ Liner	241.9	0.0	241.9
SWB w/ 4 - 55-gal Drums w/ Liners	18.9	0.0	18.9
Final Form Total	272.1	2.5	274.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	72.20
Aluminum-based Metals/Alloys	12.30
Other Metals	5.80
Other Inorganic Materials	4.80
Cellulosics	52.50
Rubber	3.80
Plastics	50.10
Cements	30.00
Inorganic Matrix	11.80
Organic Matrix	11.80
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	156.33
Packaging Material, Plastic	4.03
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.87E-01
Am-243	1.99E-03
Cm-244	3.16E-03
Cs-137	4.11E-05
Np-237	1.10E-05
Pu-238	2.06E-01
Pu-239	4.53E+00
Pu-240	3.04E-02
Pu-241	2.14E-01
Pu-242	1.42E-04
Pu-244	1.63E-09
Sr-90	1.39E-07
Th-229	5.50E-06
Th-230	2.63E-09
Th-232	8.91E-18
U-233	2.93E-03
U-234	2.08E-05
U-235	2.60E-07
U-236	1.80E-08
U-238	2.51E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D040, F001, F002, F003, F004, F005

TRUCON Code(s)

111/211, 116/216, 125/225

Waste Stream Description

This waste stream consists of glovebox parts, laboratory trash, contaminated equipment and solidified sludges. Real time radiography has been performed on the waste to verify that there are no free liquids present, with the exception of less than 1% by volume in the solidified sludge. The waste is contact-handled TRU waste. The waste stream was generated at the Lawrence Livermore National Laboratory, Livermore, CA (LLNL) and shipped to the NTS from 1974 until 1990. The waste was declared as potentially mixed TRU waste by the generator in April, 1991. There are currently 69 drums of solidified (portland or gypsum (envirostone) cement) inorganic sludge that have been identified via RTR.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: NT-W021

Appendix A

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	V3XA Spheres					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Sphere - 3-ft. dia HY80 Carbon Steel	0.9	0.0	0.9
Current Form Total	0.9	0.0	0.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
TDOP Dir Ld	9.6	0.0	9.6
Final Form Total	9.6	0.0	9.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3140.00
Aluminum-based Metals/Alloys	6.60
Other Metals	10.30
Other Inorganic Materials	0.00
Cellulosics	10.10
Rubber	0.00
Plastics	0.00
Cements	15.00
Inorganic Matrix	548.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	161.00
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.46E-01
Np-237	2.45E-06
Pu-238	1.64E-01
Pu-239	5.68E+00
Pu-240	1.30E+00
Pu-241	1.22E+01
Pu-242	1.15E-04
Th-229	3.75E-14
Th-230	5.66E-07
Th-232	3.82E-16
U-233	7.63E-11
U-234	3.15E-03
U-235	6.02E-05
U-236	7.72E-07
U-238	3.10E-03

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

The two steel vessels are 1-inch thick by 3-feet diameter, weighing about 2700 lbs. each. The vessels contain heterogeneous mixtures of the following materials: Plutonium, D-38, Beryllium metal, Completely burned high explosive, Stainless steel, Brass, Polystyrene foam, Aluminum, Coke (degassed coal), Water absorbed by the coke, Steel, Glass, Epoxy resin, Thermalite (aerated cement block), Plaster, Hortag (fly-ash and clay), Wood, and Krypton-85 tracer gas for leak detection. The UK has had similar vessels in storage for over ten years, but none containing plutonium have ever been opened. Vessels containing D-38 only have been opened, with small amounts of water vapor and some loose debris found inside. The bulk of the materials were found to be trapped within the thick coke layer lining the inner surface of the vessel. No more wastes of this type are planned to be generated.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W201

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Source Unknown	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	CH-TRU Heterogeneous Solids - non-mixed			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	205.5	167.2	372.7
85-gal Drum Dir Ld w/o Liner	1.0	0.0	1.0
Box - Misc	1.3	0.0	1.3
Box - Misc	16.3	0.0	16.3
Box - Misc	132.6	0.0	132.6
Box - Misc	137.7	0.0	137.7
Current Form Total	494.4	167.2	661.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	279.3	233.0	512.3
Final Form Total	279.3	233.0	512.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	10.65
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.40
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	1.50
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.16E+00
Am-243	5.55E-04
Cm-244	3.28E-01
Cs-137	6.32E-03
Np-237	1.79E-04
Pu-238	3.42E+00
Pu-239	1.43E+00
Pu-240	1.95E+00
Pu-241	7.72E+01
Pu-242	9.78E-04
Pu-244	3.62E-11
Sr-90	3.37E-02
Th-229	1.25E-04
Th-230	5.29E-06
Th-232	5.20E-07
U-233	6.33E-02
U-234	2.79E-02
U-235	4.90E-06
U-236	3.48E-04
U-238	8.41E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

CH-TRU debris from the FWENC facility. Alpha contaminated waste not meeting the definition of TRU will be segregated out from currently stored inventory during the treatment process and will be disposed of at NTS.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W202

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	CH-TRU Heterogeneous Solids - mixed			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum Dir Ld	2.9	0.0	2.9
55-gal Drum Dir Ld w/o Liner	401.4	41.2	442.6
85-gal Drum Dir Ld w/o Liner	141.4	0.0	141.4
Box - Misc	102.0	0.0	102.0
Current Form Total	647.7	41.2	688.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	279.3	57.0	336.3
Final Form Total	279.3	57.0	336.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	10.65
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.40
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	1.50
Soils/gravel	319.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.77E-01
Am-243	7.40E-03
Cm-244	2.73E+00
Cs-137	8.37E-04
Np-237	1.26E-03
Pu-238	2.95E+00
Pu-239	2.94E-01
Pu-240	2.72E-01
Pu-241	9.96E-01
Pu-242	2.90E-04
Pu-244	1.71E-08
Sr-90	2.07E-03
Th-229	2.61E-04
Th-230	7.55E-06
Th-232	1.90E-06
U-233	1.33E-01
U-234	2.44E-04
U-235	6.15E-06
U-236	2.85E-07
U-238	3.80E-05

Haz. Waste No(s).

D006, D007, D008, D009, D011, D018, D022, F001, F002, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

CH-TRU DEBRIS FROM THE FWENC FACILITY. INCLUDES WASTE CONTAINERS FROM NFS. MIXED WASTE TREATED TO LDR OR MACROENCAPSULATED.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W203

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	ORNL Newly Generated Debris - Post 2013			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	49.9	49.9
Current Form Total	0.0	49.9	49.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	49.9	49.9
Final Form Total	0.0	49.9	49.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	10.65
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.40
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	1.50
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.03E-03
Am-243	6.44E-04
Cm-244	1.11E+00
Cs-137	3.36E-02
Pu-238	6.79E-03
Pu-239	1.24E-04
Pu-240	5.84E-03
Pu-241	8.10E-02
Pu-242	8.46E-05
Sr-90	2.49E-01

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Hot Cell Debris Waste

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W204

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	PCB contaminated CH-TRU debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum Dir Ld	0.4	0.0	0.4
55-gal Drum Dir Ld w/o Liner	2.7	0.0	2.7
Box - Misc	20.4	0.0	20.4
Current Form Total	23.5	0.0	23.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	18.1	0.0	18.1
Final Form Total	18.1	0.0	18.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	10.65
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.40
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	1.50
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.07E-03
Am-243	1.75E-05
Cm-244	7.07E-02
Cs-137	1.11E-02
Np-237	5.55E-08
Pu-238	1.14E-02
Pu-239	8.64E-03
Pu-240	5.43E-03
Pu-241	2.22E-03
Pu-242	3.72E-08
Sr-90	1.38E-03
Th-229	1.15E-05
Th-230	1.57E-09
Th-232	2.07E-18
U-233	5.82E-03
U-234	8.68E-06
U-235	1.09E-06
U-236	3.67E-09
U-238	8.29E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, F001, F002, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

PCB contamination 240ppm.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W205

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4200
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH-NFS Soils			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	101.7	0.0	101.7
Box - Misc	12.8	0.0	12.8
Current Form Total	114.5	0.0	114.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	101.7	0.0	101.7
Final Form Total	101.7	0.0	101.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	10.65
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.40
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	1.50
Soils/gravel	1300.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.28E+00
Np-237	7.91E-06
Pu-238	2.16E-01
Pu-239	2.82E+00
Pu-240	1.25E+00
Pu-241	5.67E+00
Pu-242	9.60E-05
Th-229	1.57E-07
Th-230	1.08E-05
Th-232	7.23E-08
U-233	7.96E-05
U-234	5.71E-02
U-235	4.62E-06
U-236	7.78E-07
U-238	5.92E-05

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Waste consists of non-mixed soils from NFS

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W211

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	RH TRU Heterogeneous Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.6	0.0	0.6
Cask - Misc	360.2	19.9	380.1
Cask - Misc	15.2	0.0	15.2
Current Form Total	376.0	19.9	395.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	107.7	28.5	136.2
Final Form Total	107.7	28.5	136.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	10.65
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.40
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	1.50
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.29E-01
Am-243	3.83E-04
Cm-244	3.76E-01
Cs-137	1.94E-01
Np-237	9.13E-07
Pu-238	3.40E-03
Pu-239	1.50E-02
Pu-240	1.04E-02
Pu-241	1.67E-02
Pu-242	2.73E-05
Pu-244	1.88E-12
Sr-90	9.23E-02
Th-229	1.05E-05
Th-230	1.97E-10
Th-232	5.12E-08
U-233	5.34E-03
U-234	1.15E-06
U-235	5.60E-07
U-236	4.16E-08
U-238	3.53E-07

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of RH TRU waste which is classified as contaminated equipment, decontaminated debris or dry solids. The physical form is solid. The radionuclide information has been updated with information from a 1997 analysis campaign.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W212

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	RH Mixed Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.6	0.0	0.6
Cask - Misc	10.6	0.0	10.6
Cask - Misc	127.8	10.0	137.8
Current Form Total	139.0	10.0	149.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	53.4	14.2	67.6
Final Form Total	53.4	14.2	67.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	10.65
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.40
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	1.50
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.99E-01
Cm-244	9.31E-01
Cs-137	1.48E+01
Np-237	2.06E-06
Pu-238	3.61E-01
Pu-239	3.92E-03
Pu-240	3.17E-03
Pu-241	4.53E-02
Pu-244	1.74E-13
Sr-90	9.30E+00
Th-229	4.25E-09
Th-230	2.27E-09
Th-232	7.19E-06
U-233	2.16E-06
U-234	2.34E-05
U-235	3.36E-06
U-236	1.12E-09

Haz. Waste No(s).

D006, D008, D009, D022, F001, F002, F004, F005

No TRUCON Codes Provided

Waste Stream Description

Radionuclides from updated model. Mixed waste treated to LDR.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W213

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Soils	**Waste Matrix Code**	S4200	**Handling**	RH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	ER RH TRU Heterogeneous Soils					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	104.0	104.0
Box - Misc	6.4	0.0	6.4
Box - Misc	7.6	0.0	7.6
Box - Misc	18.4	0.0	18.4
Current Form Total	32.3	104.0	136.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	45.4	148.6	194.0
Final Form Total	45.4	148.6	194.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	1300.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.43E-02
Am-243	1.06E-05
Cm-244	1.03E-04
Cs-137	3.60E-01
Np-237	3.54E-05
Pu-238	6.44E-03
Pu-239	1.69E-02
Pu-240	2.07E-05
Pu-241	8.01E-02
Pu-242	9.31E-06
Sr-90	3.01E-03
Th-229	2.50E-02
Th-230	4.17E-05
Th-232	4.01E-04
U-233	3.25E-02
U-234	1.84E-03
U-235	2.75E-05
U-236	2.92E-05
U-238	3.49E-04

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste is made up of soils.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W214

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	PCB Contaminated RH-TRU Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.2	0.0	0.2
Cask - Misc	1.7	0.0	1.7
Current Form Total	1.9	0.0	1.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	2.7	0.0	2.7
Final Form Total	2.7	0.0	2.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	96.20
Aluminum-based Metals/Alloys	0.80
Other Metals	10.65
Other Inorganic Materials	2.40
Cellulosics	80.90
Rubber	7.40
Plastics	64.90
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	1.50
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.16E-03
Cm-244	7.02E-05
Cs-137	2.47E-01
Np-237	4.45E-05
Pu-238	1.86E-04
Pu-239	2.08E-03
Pu-240	2.39E-07
Sr-90	4.08E-03
Th-229	6.19E-08
Th-230	1.56E-12
Th-232	3.10E-23
U-233	3.14E-05
U-234	1.53E-08
U-235	8.41E-11
U-236	8.44E-14
U-238	3.93E-05

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

PCB contamination 240 ppm

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: OR-W215

Appendix A

TRU Waste Inventory Profile Report

Site	Oak Ridge National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	RH-TRU Solidified Sludge			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	0.0	369.0	369.0
Tank(s)	1581.0	0.0	1581.0
Current Form Total	1581.0	369.0	1950.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	721.8	168.2	890.0
Final Form Total	721.8	168.2	890.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1710.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.44E+00
Cm-244	4.52E+00
Cs-137	7.39E+01
Np-237	8.25E-05
Pu-238	1.38E+00
Pu-239	9.76E-01
Pu-240	1.06E-01
Pu-241	1.28E+00
Pu-242	4.34E-04
Pu-244	4.66E-15
Sr-90	2.00E+02
Th-229	9.21E-04
Th-230	5.64E-06
Th-232	3.87E-03
U-233	4.68E-01
U-234	2.99E-02
U-235	1.49E-03
U-236	5.27E-05
U-238	5.94E-02

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Waste is treated stream from a mixture from the Melton Valley Storage Tanks (MVST), MVST, Capacity Increase Project Tanks, and Bethel Valley Evaporator Storage Tanks. Waste from the Old Hydrofracture (OHF) and Gunite and Associated Tanks (GAAT) was previously mixed into the MVST.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF001.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF001.01	745.1
55-gal Drum Dir Ld w/o Liner	WP-RF001.01	92.4
SWB Dir Ld w/o Liner	WP-RF001.01	100.2
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF001.01	37.8
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF001.01	3.8
Shipped Total		979.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.08
Aluminum-based Metals/Alloys	0.01
Other Metals	0.24
Other Inorganic Materials	2.65
Cellulosics	27.92
Rubber	0.74
Plastics	78.05
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.02
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.51E+00
Am-243	1.21E-06
Np-237	5.56E-05
Pu-238	1.49E-01
Pu-239	3.44E+00
Pu-240	7.99E-01
Pu-241	1.18E+01
Pu-242	1.20E-04
Th-229	4.33E-08
Th-230	1.10E-08
Th-232	2.11E-17
U-233	7.70E-05
U-234	2.06E-04
U-235	9.78E-06
U-236	1.42E-07
U-238	2.26E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF002.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF002.01	399.4
55-gal Drum Dir Ld w/o Liner	WP-RF002.01	32.2
55-gal POC - 12" w/ Liner	WP-RF002.01	13.7
SWB Dir Ld w/o Liner	WP-RF002.01	984.7
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF002.01	17.0
TDOP w/ 1 SWB w/o Liners	WP-RF002.01	14.4
Shipped Total		1461.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	230.79
Aluminum-based Metals/Alloys	1.27
Other Metals	10.50
Other Inorganic Materials	0.49
Cellulosics	7.19
Rubber	0.20
Plastics	4.84
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.49E-01
Am-243	7.24E-07
Cs-137	2.18E-07
Np-237	7.96E-06
Pu-238	1.48E-01
Pu-239	3.02E+00
Pu-240	7.10E-01
Pu-241	1.28E+01
Pu-242	8.39E-05
Th-229	7.01E-09
Th-230	4.00E-09
Th-232	1.30E-17
U-233	1.50E-05
U-234	9.01E-05
U-235	4.80E-06
U-236	1.05E-07
U-238	1.94E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

117/217, 131/231

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

A - RF - 2

Waste Stream ID: RF003.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF003.01	65.9
55-gal Drum Dir Ld w/o Liner	WP-RF003.01	0.4
55-gal POC - 12" w/ Liner	WP-RF003.01	275.8
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF003.01	9.5
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF003.01	3.8
Shipped Total		355.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.10
Aluminum-based Metals/Alloys	0.00
Other Metals	0.07
Other Inorganic Materials	70.17
Cellulosics	1.84
Rubber	0.00
Plastics	2.72
Cements	0.00
Inorganic Matrix	0.30
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.22E+00
Np-237	2.40E-05
Pu-238	1.48E+00
Pu-239	3.57E+01
Pu-240	8.63E+00
Pu-241	1.02E+02
Pu-242	8.25E-04
Th-229	1.60E-08
Th-230	2.99E-09
Th-232	2.28E-16
U-233	2.84E-05
U-234	6.82E-05
U-235	1.61E-06
U-236	1.54E-06
U-238	3.67E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF004.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF004.01	263.3
55-gal Drum Dir Ld w/o Liner	WP-RF004.01	7.9
55-gal POC - 12" w/ Liner	WP-RF004.01	2.3
SWB Dir Ld w/o Liner	WP-RF004.01	1.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF004.01	5.7
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF004.01	1.9
Shipped Total		283.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.60
Aluminum-based Metals/Alloys	0.02
Other Metals	0.46
Other Inorganic Materials	464.77
Cellulosics	11.91
Rubber	0.00
Plastics	4.75
Cements	0.00
Inorganic Matrix	0.04
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.20E-01
Am-243	3.12E-09
Np-237	5.12E-06
Pu-238	1.15E-01
Pu-239	2.43E+00
Pu-240	5.62E-01
Pu-241	1.11E+01
Pu-242	6.77E-05
Th-229	1.44E-14
Th-230	2.63E-09
Th-232	6.59E-18
U-233	7.93E-11
U-234	7.37E-05
U-235	2.34E-06
U-236	6.67E-08
U-238	2.66E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF005.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3141	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF005.01	119.4
Shipped Total		119.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	19.04
Aluminum-based Metals/Alloys	0.00
Other Metals	3.07
Other Inorganic Materials	19.27
Cellulosics	0.00
Rubber	0.00
Plastics	1.73
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.43E+01
Np-237	1.36E-04
Pu-238	1.73E+00
Pu-239	4.01E+01
Pu-240	1.03E+01
Pu-241	6.77E+01
Pu-242	8.47E-04
Th-229	7.75E-13
Th-230	1.47E-09
Th-232	4.83E-16
U-233	2.72E-09
U-234	4.05E-05
U-235	9.97E-07
U-236	2.44E-06
U-238	1.02E-12

No Hazardous Waste Numbers Provided

TRUCON Code(s)

124/224

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF005.02-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3141	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF005.02	78.4
Shipped Total		78.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.92
Aluminum-based Metals/Alloys	0.00
Other Metals	0.23
Other Inorganic Materials	27.49
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.23E+01
Np-237	2.17E-04
Pu-238	1.55E+00
Pu-239	3.70E+01
Pu-240	9.73E+00
Pu-241	5.68E+01
Pu-242	8.23E-04
Th-229	9.07E-13
Th-230	1.49E-09
Th-232	3.49E-16
U-233	3.70E-09
U-234	3.94E-05
U-235	5.02E-07
U-236	2.02E-06
U-238	2.19E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

124/224

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF006.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF006.01	2.7
55-gal POC - 12" w/ Liner	WP-RF006.01	233.0
Shipped Total		235.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.48
Aluminum-based Metals/Alloys	0.00
Other Metals	0.06
Other Inorganic Materials	32.83
Cellulosics	0.03
Rubber	0.00
Plastics	0.67
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.26E+00
Np-237	4.31E-05
Pu-238	1.95E+00
Pu-239	3.91E+01
Pu-240	9.45E+00
Pu-241	1.28E+02
Pu-242	1.26E-03
Th-229	9.89E-13
Th-230	7.85E-09
Th-232	1.36E-15
U-233	1.76E-09
U-234	1.03E-04
U-235	1.35E-06
U-236	3.93E-06
U-238	5.89E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF008.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF008.01	4.4
55-gal Drum Dir Ld w/o Liner	WP-RF008.01	0.2
55-gal POC - 12" w/ Liner	WP-RF008.01	90.7
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF008.01	1.9
Shipped Total		97.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.36
Aluminum-based Metals/Alloys	0.10
Other Metals	1.39
Other Inorganic Materials	56.30
Cellulosics	0.36
Rubber	0.00
Plastics	1.05
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.76E+00
Np-237	1.57E-04
Pu-238	2.03E+00
Pu-239	3.49E+01
Pu-240	9.58E+00
Pu-241	1.11E+02
Pu-242	1.40E-03
Th-229	1.41E-12
Th-230	1.49E-09
Th-232	3.44E-16
U-233	4.39E-09
U-234	4.42E-05
U-235	5.23E-07
U-236	1.99E-06
U-238	7.76E-10

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF009.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3141
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF009.01	3.3
55-gal Drum Dir Ld w/o Liner	WP-RF009.01	8.5
55-gal POC - 12" w/ Liner	WP-RF009.01	1311.2
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF009.01	3.8
Shipped Total		1326.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.46
Aluminum-based Metals/Alloys	0.00
Other Metals	4.01
Other Inorganic Materials	17.82
Cellulosics	0.04
Rubber	0.00
Plastics	0.93
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.05E+01
Np-237	3.62E-04
Pu-238	1.48E+00
Pu-239	4.14E+01
Pu-240	1.03E+01
Pu-241	7.18E+01
Pu-242	1.03E-03
Th-229	2.15E-12
Th-230	1.09E-09
Th-232	2.71E-16
U-233	8.05E-09
U-234	3.29E-05
U-235	4.76E-07
U-236	1.83E-06
U-238	2.05E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

124/224, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF010.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF010.01	274.6
55-gal Drum Dir Ld w/o Liner	WP-RF010.01	12.9
SWB Dir Ld w/o Liner	WP-RF010.01	264.6
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF010.01	62.4
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF010.01	15.1
Shipped Total		629.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	12.18
Aluminum-based Metals/Alloys	8.77
Other Metals	0.98
Other Inorganic Materials	8.04
Cellulosics	36.45
Rubber	3.69
Plastics	9.49
Cements	0.00
Inorganic Matrix	0.29
Organic Matrix	0.03
Soils/gravel	0.13
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.24E+00
Am-243	6.52E-08
Np-237	1.21E-05
Pu-238	4.00E-01
Pu-239	9.94E+00
Pu-240	2.32E+00
Pu-241	2.96E+01
Pu-242	2.53E-04
Th-229	4.91E-14
Th-230	8.97E-09
Th-232	4.25E-17
U-233	2.22E-10
U-234	2.02E-04
U-235	6.38E-06
U-236	3.44E-07
U-238	5.68E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF011.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF011.01	49.5
55-gal Drum Dir Ld w/o Liner	WP-RF011.01	1.7
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF011.01	28.4
Shipped Total		79.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.77
Aluminum-based Metals/Alloys	0.01
Other Metals	0.04
Other Inorganic Materials	17.84
Cellulosics	1.61
Rubber	0.00
Plastics	1.75
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.74E+00
Np-237	6.89E-06
Pu-238	7.91E-01
Pu-239	1.87E+01
Pu-240	4.50E+00
Pu-241	4.96E+01
Pu-242	3.85E-04
Th-229	1.47E-14
Th-230	4.85E-10
Th-232	5.27E-17
U-233	8.79E-11
U-234	1.80E-05
U-235	3.61E-07
U-236	5.33E-07
U-238	5.29E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF015.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF015.01	1.7
Shipped Total		1.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	19.17
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	5.05
Cellulosics	12.98
Rubber	0.00
Plastics	1.62
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.03E+00
Np-237	5.03E-05
Pu-238	5.72E-01
Pu-239	1.13E+01
Pu-240	2.63E+00
Pu-241	5.84E+01
Pu-242	3.50E-04
Th-229	1.55E-13
Th-230	1.19E-10
Th-232	3.09E-17
U-233	8.33E-10
U-234	6.59E-06
U-235	4.45E-08
U-236	3.12E-07
U-238	2.11E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF029.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF029.01	13.9
55-gal Drum Dir Ld w/o Liner	WP-RF029.01	2.7
55-gal POC - 12" w/ Liner	WP-RF029.01	3.1
SWB Dir Ld w/o Liner	WP-RF029.01	4316.8
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF029.01	5.7
TDOP w/ 1 SWB w/o Liners	WP-RF029.01	4.8
Shipped Total		4347.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	168.14
Aluminum-based Metals/Alloys	1.51
Other Metals	0.58
Other Inorganic Materials	13.97
Cellulosics	17.24
Rubber	1.33
Plastics	30.02
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.03
Soils/gravel	0.16
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.72E-01
Am-243	3.33E-07
Cs-137	6.15E-09
Np-237	5.57E-06
Pu-238	8.51E-02
Pu-239	1.58E+00
Pu-240	3.80E-01
Pu-241	8.89E+00
Pu-242	5.09E-05
Pu-244	2.38E-21
Sr-90	4.20E-11
Th-229	9.71E-15
Th-230	5.15E-10
Th-232	2.50E-18
U-233	7.00E-11
U-234	1.94E-05
U-235	6.10E-07
U-236	3.38E-08
U-238	2.89E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

121/221, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF031.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5313
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF031.01	15.2
55-gal Drum Dir Ld w/o Liner	WP-RF031.01	5.0
55-gal POC - 12" w/ Liner	WP-RF031.01	0.4
Shipped Total		20.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.34
Aluminum-based Metals/Alloys	0.00
Other Metals	0.23
Other Inorganic Materials	1.10
Cellulosics	9.68
Rubber	0.00
Plastics	46.42
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	6.07
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.24E-01
Np-237	2.43E-06
Pu-238	1.13E-01
Pu-239	2.34E+00
Pu-240	5.42E-01
Pu-241	1.17E+01
Pu-242	6.42E-05
Th-229	1.85E-15
Th-230	7.87E-10
Th-232	1.59E-18
U-233	2.01E-11
U-234	4.41E-05
U-235	1.42E-06
U-236	3.21E-08
U-238	1.99E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

121/221, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF032.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF032.01	3.1
55-gal POC - 12" w/ Liner	WP-RF032.01	206.1
Shipped Total		209.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.54
Aluminum-based Metals/Alloys	0.00
Other Metals	0.23
Other Inorganic Materials	31.96
Cellulosics	0.04
Rubber	0.00
Plastics	0.06
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.09E+01
Np-237	1.18E-04
Pu-238	1.50E+00
Pu-239	4.12E+01
Pu-240	9.67E+00
Pu-241	9.07E+01
Pu-242	7.24E-04
Th-229	5.32E-13
Th-230	8.70E-10
Th-232	1.77E-16
U-233	2.33E-09
U-234	3.01E-05
U-235	4.75E-07
U-236	1.43E-06
U-238	2.41E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF033.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF033.01	12.1
55-gal Drum Dir Ld w/o Liner	WP-RF033.01	1.7
55-gal POC - 12" w/ Liner	WP-RF033.01	11.9
Shipped Total		25.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	16.37
Aluminum-based Metals/Alloys	0.00
Other Metals	1.27
Other Inorganic Materials	109.77
Cellulosics	0.20
Rubber	0.00
Plastics	27.33
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.09
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.33E+00
Np-237	3.00E-05
Pu-238	1.36E+00
Pu-239	3.12E+01
Pu-240	7.29E+00
Pu-241	1.15E+02
Pu-242	7.19E-04
Th-229	8.42E-14
Th-230	7.23E-10
Th-232	8.54E-17
U-233	4.64E-10
U-234	2.79E-05
U-235	5.38E-07
U-236	8.65E-07
U-238	2.34E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF036.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5420
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF036.01	44.1
Shipped Total		44.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.12
Aluminum-based Metals/Alloys	0.79
Other Metals	0.00
Other Inorganic Materials	488.73
Cellulosics	7.07
Rubber	0.00
Plastics	12.67
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.29
Soils/gravel	4.40
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.60E-01
Am-243	1.85E-06
Np-237	7.94E-06
Pu-238	3.08E-01
Pu-239	6.00E+00
Pu-240	1.40E+00
Pu-241	3.42E+01
Pu-242	1.85E-04
Th-229	6.16E-15
Th-230	1.02E-09
Th-232	4.10E-18
U-233	6.66E-11
U-234	5.75E-05
U-235	2.51E-06
U-236	8.31E-08
U-238	6.76E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF101.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF101.01	114.6
55-gal Drum Dir Ld w/o Liner	WP-RF101.01	13.1
SWB Dir Ld w/o Liner	WP-RF101.01	24.6
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF101.01	22.7
Shipped Total		175.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2.53
Aluminum-based Metals/Alloys	0.02
Other Metals	0.39
Other Inorganic Materials	15.34
Cellulosics	62.57
Rubber	1.27
Plastics	30.20
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.84
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.92E+00
Am-243	6.04E-06
Np-237	1.28E-05
Pu-238	4.64E-01
Pu-239	9.65E+00
Pu-240	2.26E+00
Pu-241	4.07E+01
Pu-242	2.64E-04
Th-229	3.58E-14
Th-230	8.65E-09
Th-232	2.65E-17
U-233	1.97E-10
U-234	2.43E-04
U-235	7.75E-06
U-236	2.68E-07
U-238	4.88E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D043, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF101.29-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF101.29	25.4
55-gal Drum Dir Ld w/o Liner	WP-RF101.29	3.1
SWB Dir Ld w/o Liner	WP-RF101.29	1.9
Shipped Total		30.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.43
Aluminum-based Metals/Alloys	0.03
Other Metals	0.00
Other Inorganic Materials	12.48
Cellulosics	51.65
Rubber	5.43
Plastics	47.43
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.98E-01
Np-237	6.11E-06
Pu-238	2.54E-01
Pu-239	5.15E+00
Pu-240	1.20E+00
Pu-241	2.03E+01
Pu-242	1.39E-04
Th-229	2.55E-14
Th-230	8.24E-09
Th-232	2.19E-17
U-233	1.14E-10
U-234	1.85E-04
U-235	5.93E-06
U-236	1.78E-07
U-238	6.71E-06

Haz. Waste No(s).

F001

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF101.30-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF101.30	79.5
55-gal Drum Dir Ld w/o Liner	WP-RF101.30	5.8
SWB Dir Ld w/o Liner	WP-RF101.30	3.8
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF101.30	24.6
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF101.30	3.8
Shipped Total		117.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.84
Aluminum-based Metals/Alloys	0.00
Other Metals	0.09
Other Inorganic Materials	2.31
Cellulosics	40.50
Rubber	0.80
Plastics	37.94
Cements	0.00
Inorganic Matrix	0.04
Organic Matrix	0.03
Soils/gravel	0.01
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.06E+00
Am-243	2.67E-06
Np-237	2.18E-05
Pu-238	3.31E-01
Pu-239	7.49E+00
Pu-240	1.76E+00
Pu-241	2.64E+01
Pu-242	2.16E-04
Th-229	9.28E-14
Th-230	6.40E-09
Th-232	3.22E-17
U-233	4.13E-10
U-234	1.45E-04
U-235	4.55E-06
U-236	2.61E-07
U-238	1.57E-06

Haz. Waste No(s).

F001, F002

TRUCON Code(s)

116/216, 119/219

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF101.31-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF101.31	43.9
55-gal Drum Dir Ld w/o Liner	WP-RF101.31	5.4
SWB Dir Ld w/o Liner	WP-RF101.31	9.5
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF101.31	3.8
Shipped Total		62.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.86
Aluminum-based Metals/Alloys	0.00
Other Metals	0.12
Other Inorganic Materials	2.09
Cellulosics	65.86
Rubber	0.69
Plastics	43.00
Cements	0.00
Inorganic Matrix	0.02
Organic Matrix	0.02
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.09E+00
Am-243	2.18E-07
Np-237	5.34E-06
Pu-238	1.69E-01
Pu-239	3.74E+00
Pu-240	8.88E-01
Pu-241	1.26E+01
Pu-242	1.32E-04
Th-229	2.88E-14
Th-230	4.94E-09
Th-232	2.34E-17
U-233	1.11E-10
U-234	9.30E-05
U-235	2.94E-06
U-236	1.58E-07
U-238	1.33E-06

Haz. Waste No(s).

F001, F002, F005

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF101.35-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF101.35	51.2
55-gal Drum Dir Ld w/o Liner	WP-RF101.35	17.1
SWB Dir Ld w/o Liner	WP-RF101.35	3.8
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF101.35	7.6
Shipped Total		79.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.72
Aluminum-based Metals/Alloys	0.00
Other Metals	0.57
Other Inorganic Materials	2.66
Cellulosics	48.15
Rubber	0.47
Plastics	58.97
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.97E+00
Np-237	2.53E-05
Pu-238	3.75E-01
Pu-239	8.02E+00
Pu-240	1.87E+00
Pu-241	3.27E+01
Pu-242	2.62E-04
Th-229	1.11E-13
Th-230	4.79E-08
Th-232	3.43E-17
U-233	4.91E-10
U-234	1.07E-03
U-235	3.42E-05
U-236	2.78E-07
U-238	2.75E-06

Haz. Waste No(s).

F005

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

A - RF - 22

Waste Stream ID: RF102.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF102.01	45.3
55-gal Drum Dir Ld w/o Liner	WP-RF102.01	0.6
SWB Dir Ld w/o Liner	WP-RF102.01	175.8
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF102.01	1.9
Shipped Total		223.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	234.12
Aluminum-based Metals/Alloys	0.50
Other Metals	9.83
Other Inorganic Materials	1.88
Cellulosics	6.47
Rubber	0.25
Plastics	4.10
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.53E-01
Am-243	8.92E-07
Cs-137	4.50E-05
Np-237	6.48E-06
Pu-238	1.33E-01
Pu-239	2.56E+00
Pu-240	6.11E-01
Pu-241	1.32E+01
Pu-242	7.93E-05
Th-229	1.89E-14
Th-230	6.89E-10
Th-232	7.16E-18
U-233	1.03E-10
U-234	1.99E-05
U-235	6.19E-07
U-236	7.24E-08
U-238	1.78E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

117/217

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

A - RF - 23

Waste Stream ID: RF102.31-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Lead/Cadmium Metal Wast	**Waste Matrix Code**	S5112
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF102.31	22.3
55-gal Drum Dir Ld w/o Liner	WP-RF102.31	1.0
55-gal POC - 12" w/ Liner	WP-RF102.31	0.6
SWB Dir Ld w/o Liner	WP-RF102.31	96.4
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF102.31	3.8
Shipped Total		124.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	189.33
Aluminum-based Metals/Alloys	0.36
Other Metals	147.87
Other Inorganic Materials	0.16
Cellulosics	5.66
Rubber	1.89
Plastics	3.08
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.12E+00
Am-243	1.55E-07
Np-237	8.47E-06
Pu-238	1.11E-01
Pu-239	2.21E+00
Pu-240	5.24E-01
Pu-241	1.06E+01
Pu-242	6.82E-05
Th-229	2.40E-14
Th-230	2.32E-09
Th-232	6.14E-18
U-233	1.32E-10
U-234	6.51E-05
U-235	2.23E-06
U-236	6.21E-08
U-238	1.72E-05

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF104.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF104.01	35.2
55-gal Drum Dir Ld w/o Liner	WP-RF104.01	2.1
55-gal POC - 12" w/ Liner	WP-RF104.01	7.7
SWB Dir Ld w/o Liner	WP-RF104.01	5.7
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF104.01	1.9
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF104.01	1.9
Shipped Total		54.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.65
Aluminum-based Metals/Alloys	0.01
Other Metals	1.43
Other Inorganic Materials	213.89
Cellulosics	7.04
Rubber	0.06
Plastics	5.63
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.20E+00
Am-243	4.20E-06
Np-237	1.80E-05
Pu-238	2.98E-01
Pu-239	7.52E+00
Pu-240	1.77E+00
Pu-241	2.47E+01
Pu-242	1.72E-04
Th-229	3.05E-14
Th-230	4.52E-10
Th-232	1.17E-17
U-233	2.21E-10
U-234	1.80E-05
U-235	5.44E-07
U-236	1.58E-07
U-238	2.58E-06

Haz. Waste No(s).

D005, D008, D009, D022, F001, F002, F005

TRUCON Code(s)

118/218

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF107.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF107.01	63.4
Shipped Total		63.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.17
Aluminum-based Metals/Alloys	0.00
Other Metals	0.73
Other Inorganic Materials	13.61
Cellulosics	0.00
Rubber	0.00
Plastics	1.11
Cements	0.00
Inorganic Matrix	776.54
Organic Matrix	11.45
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.14E+01
Np-237	2.48E-04
Pu-238	1.50E-01
Pu-239	3.01E+00
Pu-240	6.97E-01
Pu-241	1.68E+01
Pu-242	9.12E-05
Th-229	1.88E-13
Th-230	4.88E-09
Th-232	2.04E-18
U-233	2.05E-09
U-234	2.72E-04
U-235	1.75E-05
U-236	4.14E-08
U-238	9.43E-04

Haz. Waste No(s).

D006, D007, D008, D009, D011

TRUCON Code(s)

132/232

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF107.03-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF107.03	60.7
55-gal Drum Dir Ld w/o Liner	WP-RF107.03	0.2
Shipped Total		60.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.45
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	1.09
Cements	0.00
Inorganic Matrix	819.47
Organic Matrix	0.04
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.33E-01
Np-237	1.94E-06
Pu-238	1.92E-02
Pu-239	3.80E-01
Pu-240	8.84E-02
Pu-241	2.14E+00
Pu-242	1.16E-05
Th-229	1.51E-15
Th-230	2.28E-08
Th-232	2.59E-19
U-233	1.63E-11
U-234	1.27E-03
U-235	1.50E-04
U-236	5.24E-09
U-238	1.13E-02

Haz. Waste No(s).

F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211, 127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF107.04-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF107.04	100.9
55-gal Drum Dir Ld w/o Liner	WP-RF107.04	1.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF107.04	7.6
Shipped Total		110.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.07
Rubber	0.00
Plastics	1.64
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	954.33
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.25E-01
Np-237	4.38E-06
Pu-238	3.77E-02
Pu-239	7.55E-01
Pu-240	1.75E-01
Pu-241	4.22E+00
Pu-242	2.29E-05
Th-229	3.40E-15
Th-230	3.46E-10
Th-232	5.13E-19
U-233	3.67E-11
U-234	1.93E-05
U-235	1.91E-06
U-236	1.04E-08
U-238	1.40E-04

Haz. Waste No(s).

D022, D028, D029, D030, D032, D034, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF107.05-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF107.05	4.4
Shipped Total		4.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.63
Cellulosics	8.65
Rubber	0.00
Plastics	2.35
Cements	0.00
Inorganic Matrix	601.28
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.03E+00
Np-237	5.81E-06
Pu-238	2.35E-01
Pu-239	4.67E+00
Pu-240	1.09E+00
Pu-241	2.62E+01
Pu-242	1.42E-04
Th-229	4.40E-15
Th-230	4.06E-08
Th-232	3.18E-18
U-233	4.78E-11
U-234	2.26E-03
U-235	7.28E-05
U-236	6.44E-08
U-238	6.43E-07

Haz. Waste No(s).

D004, D005, D009, D010, D022, D027, D028, D029, D032, D033, D034, D043, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF107.06-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF107.06	14.4
Shipped Total		14.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.49
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	8.25
Cements	0.00
Inorganic Matrix	873.52
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.72E-02
Np-237	5.20E-08
Pu-238	1.06E-02
Pu-239	2.13E-01
Pu-240	4.94E-02
Pu-241	1.19E+00
Pu-242	6.46E-06
Th-229	3.34E-17
Th-230	2.89E-09
Th-232	1.45E-19
U-233	3.80E-13
U-234	1.61E-04
U-235	1.83E-05
U-236	2.93E-09
U-238	1.40E-03

Haz. Waste No(s).

F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF107.07-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF107.07	57.0
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF107.07	1.9
Shipped Total		58.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	3.51
Cements	0.00
Inorganic Matrix	1172.21
Organic Matrix	4.62
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.72E+00
Am-243	2.88E-05
Np-237	4.01E-05
Pu-238	6.29E-01
Pu-239	1.23E+01
Pu-240	2.87E+00
Pu-241	6.98E+01
Pu-242	3.79E-04
Th-229	3.11E-14
Th-230	4.17E-08
Th-232	8.40E-18
U-233	3.36E-10
U-234	2.32E-03
U-235	7.51E-05
U-236	1.70E-07
U-238	3.74E-05

Haz. Waste No(s).

F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

111/211, 113/213, 126/226

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF110.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF110.01	8.3
55-gal Drum Dir Ld w/o Liner	WP-RF110.01	0.6
55-gal POC - 12" w/ Liner	WP-RF110.01	0.2
Shipped Total		9.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.57
Aluminum-based Metals/Alloys	5.49
Other Metals	0.08
Other Inorganic Materials	9.72
Cellulosics	50.40
Rubber	4.90
Plastics	26.12
Cements	0.00
Inorganic Matrix	0.07
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.06E+00
Am-243	1.88E-04
Np-237	2.42E-05
Pu-238	6.81E-01
Pu-239	1.37E+01
Pu-240	3.20E+00
Pu-241	5.77E+01
Pu-242	7.16E-04
Th-229	5.80E-14
Th-230	3.58E-09
Th-232	3.75E-17
U-233	3.34E-10
U-234	1.03E-04
U-235	3.32E-06
U-236	3.79E-07
U-238	2.12E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D029, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

119/219, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF110.05-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF110.05	16.6
55-gal Drum Dir Ld w/o Liner	WP-RF110.05	1.7
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF110.05	11.3
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF110.05	1.9
Shipped Total		31.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	7.11
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	7.40
Cellulosics	6.35
Rubber	0.07
Plastics	17.62
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.23
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.48E+00
Np-237	6.14E-06
Pu-238	6.51E-01
Pu-239	1.46E+01
Pu-240	3.38E+00
Pu-241	3.83E+01
Pu-242	3.25E-04
Th-229	1.79E-14
Th-230	7.25E-09
Th-232	6.19E-17
U-233	8.99E-11
U-234	1.66E-04
U-235	5.12E-06
U-236	5.01E-07
U-238	5.28E-07

Haz. Waste No(s).

D022, F001, F002

TRUCON Code(s)

119/219

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: RF113.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3114	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF113.01	0.4
Shipped Total		0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	108.89
Cellulosics	0.48
Rubber	0.00
Plastics	12.02
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.35E-01
Np-237	2.36E-06
Pu-238	4.40E-02
Pu-239	8.91E-01
Pu-240	2.07E-01
Pu-241	4.53E+00
Pu-242	2.71E-05
Th-229	7.17E-15
Th-230	9.17E-12
Th-232	2.42E-18
U-233	3.87E-11
U-234	5.07E-07
U-235	3.51E-09
U-236	2.45E-08
U-238	1.64E-14

Haz. Waste No(s).

D007, D010, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF115.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF115.01	17.3
55-gal Drum Dir Ld w/o Liner	WP-RF115.01	1.5
55-gal POC - 12" w/ Liner	WP-RF115.01	86.7
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF115.01	5.7
SWB w/ 4 - 55-gal Drums w/o Liners	WP-RF115.01	3.8
Shipped Total		114.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	16.78
Aluminum-based Metals/Alloys	0.01
Other Metals	11.65
Other Inorganic Materials	53.37
Cellulosics	2.41
Rubber	0.01
Plastics	3.38
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.09E+00
Np-237	1.40E-05
Pu-238	9.12E-01
Pu-239	2.20E+01
Pu-240	5.13E+00
Pu-241	4.56E+01
Pu-242	4.30E-04
Th-229	3.35E-14
Th-230	4.43E-10
Th-232	6.01E-17
U-233	1.93E-10
U-234	1.75E-05
U-235	3.61E-07
U-236	6.08E-07
U-238	5.44E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF116.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF116.01	4.0
Shipped Total		4.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	19.23
Aluminum-based Metals/Alloys	0.00
Other Metals	16.09
Other Inorganic Materials	32.79
Cellulosics	0.00
Rubber	0.00
Plastics	3.23
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.40E+00
Np-237	3.44E-05
Pu-238	6.49E-01
Pu-239	2.48E+01
Pu-240	5.75E+00
Pu-241	3.32E+01
Pu-242	3.84E-04
Th-229	9.48E-14
Th-230	1.35E-10
Th-232	6.74E-17
U-233	5.25E-10
U-234	7.49E-06
U-235	9.78E-08
U-236	6.82E-07
U-238	2.32E-13

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF117.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF117.01	1.7
55-gal Drum Dir Ld w/o Liner	WP-RF117.01	0.2
Shipped Total		1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.50
Aluminum-based Metals/Alloys	0.00
Other Metals	1.28
Other Inorganic Materials	93.11
Cellulosics	8.65
Rubber	0.00
Plastics	8.22
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.49E+00
Np-237	2.11E-05
Pu-238	6.59E-01
Pu-239	1.31E+01
Pu-240	3.04E+00
Pu-241	6.81E+01
Pu-242	3.90E-04
Th-229	3.60E-14
Th-230	2.11E-08
Th-232	2.01E-17
U-233	2.61E-10
U-234	7.86E-04
U-235	2.51E-05
U-236	2.71E-07
U-238	2.22E-07

Haz. Waste No(s).

D007

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF118.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3111
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF118.01	1.0
55-gal POC - 12" w/ Liner	WP-RF118.01	1431.0
55-gal POC - 12" w/o Liner	WP-RF118.01	0.2
Shipped Total		1432.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	11.29
Aluminum-based Metals/Alloys	0.00
Other Metals	1.26
Other Inorganic Materials	16.19
Cellulosics	0.00
Rubber	0.00
Plastics	1.32
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.97E+00
Am-243	8.75E-07
Np-237	5.40E-05
Pu-238	2.92E+00
Pu-239	4.66E+01
Pu-240	1.25E+01
Pu-241	1.44E+02
Pu-242	1.52E-03
Th-229	3.12E-13
Th-230	1.18E-08
Th-232	3.31E-16
U-233	1.18E-09
U-234	2.44E-04
U-235	6.48E-06
U-236	2.23E-06
U-238	1.40E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF119.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF119.01	19.3
55-gal Drum Dir Ld w/o Liner	WP-RF119.01	3.7
55-gal POC - 12" w/ Liner	WP-RF119.01	1.0
Shipped Total		24.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	57.80
Aluminum-based Metals/Alloys	0.02
Other Metals	0.85
Other Inorganic Materials	8.24
Cellulosics	0.30
Rubber	0.00
Plastics	15.73
Cements	0.00
Inorganic Matrix	245.52
Organic Matrix	1.90
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.42E+00
Np-237	1.11E-05
Pu-238	3.09E-01
Pu-239	6.09E+00
Pu-240	1.44E+00
Pu-241	3.29E+01
Pu-242	1.85E-04
Th-229	8.58E-15
Th-230	3.67E-10
Th-232	4.20E-18
U-233	9.27E-11
U-234	2.13E-05
U-235	7.22E-07
U-236	8.52E-08
U-238	8.83E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

111/211, 127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF121.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF121.01	46.0
Shipped Total		46.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.55
Aluminum-based Metals/Alloys	0.00
Other Metals	6.66
Other Inorganic Materials	11.10
Cellulosics	0.00
Rubber	0.00
Plastics	1.33
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.07E+00
Np-237	5.66E-06
Pu-238	1.40E+00
Pu-239	4.29E+01
Pu-240	1.03E+01
Pu-241	7.13E+01
Pu-242	6.64E-04
Th-229	4.53E-15
Th-230	5.36E-10
Th-232	6.77E-17
U-233	4.26E-11
U-234	2.59E-05
U-235	5.71E-07
U-236	9.14E-07
U-238	3.94E-09

Haz. Waste No(s).

D007, D008

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF122.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF122.01	0.2
55-gal Drum Dir Ld w/o Liner	WP-RF122.01	1.5
55-gal POC - 12" w/ Liner	WP-RF122.01	33.9
Shipped Total		35.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.47
Aluminum-based Metals/Alloys	0.00
Other Metals	12.08
Other Inorganic Materials	21.10
Cellulosics	0.00
Rubber	0.00
Plastics	2.56
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.68E+00
Np-237	1.59E-03
Pu-238	1.77E+00
Pu-239	3.86E+01
Pu-240	9.29E+00
Pu-241	8.10E+01
Pu-242	9.78E-04
Th-229	5.04E-12
Th-230	3.69E-10
Th-232	1.09E-16
U-233	2.69E-08
U-234	2.04E-05
U-235	1.52E-07
U-236	1.10E-06
U-238	5.91E-13

Haz. Waste No(s).

D006, D007, D008, D009, F001, F002, F005

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF122.03-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF122.03	4.4
Shipped Total		4.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	424.32
Cellulosics	0.00
Rubber	0.00
Plastics	6.64
Cements	0.00
Inorganic Matrix	163.06
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.60E+00
Np-237	9.06E-05
Pu-238	1.62E-01
Pu-239	3.25E+00
Pu-240	7.54E-01
Pu-241	1.81E+01
Pu-242	9.85E-05
Th-229	7.14E-14
Th-230	3.72E-08
Th-232	2.21E-18
U-233	7.69E-10
U-234	2.07E-03
U-235	1.39E-04
U-236	4.47E-08
U-238	7.77E-03

Haz. Waste No(s).

D004, D005, D009, D010, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF122.04-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF122.04	54.1
Shipped Total		54.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	662.72
Cellulosics	0.28
Rubber	0.00
Plastics	8.45
Cements	0.00
Inorganic Matrix	1.50
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.71E+00
Np-237	6.70E-05
Pu-238	1.49E-01
Pu-239	2.98E+00
Pu-240	6.92E-01
Pu-241	1.67E+01
Pu-242	9.06E-05
Th-229	5.28E-14
Th-230	1.10E-08
Th-232	2.03E-18
U-233	5.68E-10
U-234	6.12E-04
U-235	6.47E-05
U-236	4.10E-08
U-238	4.33E-03

Haz. Waste No(s).

D006, D007, D008, D009, D011

TRUCON Code(s)

111/211, 127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF122.05-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF122.05	16.2
Shipped Total		16.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.15
Other Inorganic Materials	519.58
Cellulosics	0.00
Rubber	0.00
Plastics	49.09
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.78E-01
Np-237	7.74E-07
Pu-238	1.70E-02
Pu-239	3.37E-01
Pu-240	7.83E-02
Pu-241	1.90E+00
Pu-242	1.03E-05
Th-229	5.71E-16
Th-230	2.23E-08
Th-232	2.29E-19
U-233	6.25E-12
U-234	1.24E-03
U-235	6.46E-05
U-236	4.64E-09
U-238	2.40E-03

Haz. Waste No(s).

D006, D007, D008, D009, D011, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211, 112/212, 127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF122.06-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF122.06	0.4
55-gal POC - 12" w/ Liner	WP-RF122.06	6.9
Shipped Total		7.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.30
Aluminum-based Metals/Alloys	0.00
Other Metals	12.03
Other Inorganic Materials	48.94
Cellulosics	0.00
Rubber	0.00
Plastics	2.65
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.70E+00
Np-237	5.39E-05
Pu-238	1.38E+00
Pu-239	3.47E+01
Pu-240	8.19E+00
Pu-241	7.15E+01
Pu-242	8.75E-04
Th-229	1.51E-13
Th-230	1.87E-09
Th-232	9.60E-17
U-233	8.32E-10
U-234	5.99E-05
U-235	1.91E-06
U-236	9.72E-07
U-238	3.86E-05

Haz. Waste No(s).

D006, D007, D008, D009, D011

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF123.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF123.01	7.5
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF123.01	1.9
Shipped Total		9.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.09
Aluminum-based Metals/Alloys	0.00
Other Metals	5.89
Other Inorganic Materials	9.14
Cellulosics	0.00
Rubber	0.00
Plastics	1.18
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.64E+00
Np-237	1.54E-05
Pu-238	1.08E+00
Pu-239	3.23E+01
Pu-240	7.51E+00
Pu-241	6.91E+01
Pu-242	5.30E-04
Th-229	3.12E-14
Th-230	1.55E-09
Th-232	8.80E-17
U-233	1.90E-10
U-234	4.92E-05
U-235	1.54E-06
U-236	8.91E-07
U-238	1.06E-08

Haz. Waste No(s).

D006, D007, D008, D009, D018, D019, D022, D028, D029, D043, F001, F002, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF123.02-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF123.02	0.6
55-gal Drum Dir Ld w/o Liner	WP-RF123.02	0.2
Shipped Total		0.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	29.16
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	128.43
Cellulosics	6.49
Rubber	0.00
Plastics	2.51
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.67E-02
Np-237	1.03E-08
Pu-238	5.08E-03
Pu-239	9.99E-02
Pu-240	2.33E-02
Pu-241	5.65E-01
Pu-242	3.07E-06
Th-229	2.72E-18
Th-230	5.05E-09
Th-232	6.81E-20
U-233	4.39E-14
U-234	2.81E-04
U-235	3.24E-05
U-236	1.38E-09
U-238	2.52E-03

Haz. Waste No(s).

D010, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF123.03-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF123.03	11.9
55-gal Drum Dir Ld w/o Liner	WP-RF123.03	0.2
Shipped Total		12.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.34
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	25.98
Cellulosics	11.41
Rubber	0.00
Plastics	2.72
Cements	0.00
Inorganic Matrix	0.96
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.47E+01
Np-237	2.08E-04
Pu-238	8.59E-01
Pu-239	1.71E+01
Pu-240	3.97E+00
Pu-241	9.17E+01
Pu-242	5.23E-04
Th-229	3.54E-13
Th-230	4.67E-10
Th-232	2.62E-17
U-233	2.57E-09
U-234	2.10E-05
U-235	1.62E-06
U-236	3.53E-07
U-238	1.22E-04

Haz. Waste No(s).

D006, D007, D008, D009

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF123.04-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF123.04	44.5
Shipped Total		44.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.39
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	17.76
Cellulosics	1.10
Rubber	0.00
Plastics	0.27
Cements	0.00
Inorganic Matrix	0.76
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.96E+00
Np-237	2.14E-05
Pu-238	9.18E-01
Pu-239	1.81E+01
Pu-240	4.23E+00
Pu-241	9.80E+01
Pu-242	5.59E-04
Th-229	3.61E-14
Th-230	5.89E-10
Th-232	2.79E-17
U-233	2.62E-10
U-234	2.58E-05
U-235	6.84E-07
U-236	3.76E-07
U-238	5.86E-06

Haz. Waste No(s).

D007, D008, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF124.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5311
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF124.01	91.5
55-gal Drum Dir Ld w/o Liner	WP-RF124.01	0.8
SWB Dir Ld w/o Liner	WP-RF124.01	1.9
Shipped Total		94.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.01
Other Metals	223.31
Other Inorganic Materials	0.82
Cellulosics	0.75
Rubber	129.33
Plastics	8.27
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.00E-01
Am-243	4.78E-08
Np-237	1.54E-05
Pu-238	1.20E-01
Pu-239	2.62E+00
Pu-240	6.04E-01
Pu-241	1.14E+01
Pu-242	6.99E-05
Th-229	7.45E-14
Th-230	3.38E-09
Th-232	1.11E-17
U-233	3.20E-10
U-234	7.60E-05
U-235	1.33E-06
U-236	8.95E-08
U-238	1.51E-06

Haz. Waste No(s).

D008

TRUCON Code(s)

116/216, 123/223

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF124.02-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5311
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF124.02	13.1
55-gal Drum Dir Ld w/o Liner	WP-RF124.02	0.2
Shipped Total		13.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.26
Aluminum-based Metals/Alloys	0.00
Other Metals	207.17
Other Inorganic Materials	2.78
Cellulosics	0.98
Rubber	123.26
Plastics	8.93
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.07E-01
Np-237	1.06E-05
Pu-238	2.41E-01
Pu-239	5.01E+00
Pu-240	1.15E+00
Pu-241	2.23E+01
Pu-242	1.38E-04
Th-229	4.82E-14
Th-230	1.12E-09
Th-232	2.10E-17
U-233	2.10E-10
U-234	2.66E-05
U-235	7.69E-07
U-236	1.70E-07
U-238	6.59E-09

Haz. Waste No(s).

D008, D022, D028, F001, F002

TRUCON Code(s)

123/223

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF125.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3900	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF125.01	3.3
55-gal Drum Dir Ld w/o Liner	WP-RF125.01	1.0
55-gal POC - 12" w/ Liner	WP-RF125.01	6.2
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF125.01	3.8
Shipped Total		14.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.07
Aluminum-based Metals/Alloys	0.00
Other Metals	2.84
Other Inorganic Materials	2.40
Cellulosics	0.76
Rubber	0.00
Plastics	1.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	11.23
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.53E+01
Np-237	3.13E-04
Pu-238	1.08E+00
Pu-239	2.69E+01
Pu-240	6.22E+00
Pu-241	7.80E+01
Pu-242	5.32E-04
Th-229	5.58E-13
Th-230	1.65E-08
Th-232	4.10E-17
U-233	4.00E-09
U-234	6.16E-04
U-235	2.00E-05
U-236	5.53E-07
U-238	4.37E-05

Haz. Waste No(s).

D004, D005, D009, D010, D022, D027, D028, D029, D032, D033, D034, D043, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF126.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3229	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF126.01	1.0
Shipped Total		1.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.65
Aluminum-based Metals/Alloys	0.00
Other Metals	11.54
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	2.31
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	13.94
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.16E+00
Np-237	3.84E-06
Pu-238	1.46E+00
Pu-239	3.73E+01
Pu-240	8.35E+00
Pu-241	8.55E+01
Pu-242	5.23E-04
Th-229	2.29E-15
Th-230	1.21E-09
Th-232	5.50E-17
U-233	2.47E-11
U-234	5.10E-05
U-235	1.35E-06
U-236	7.43E-07
U-238	1.10E-08

Haz. Waste No(s).

D007

TRUCON Code(s)

126/226

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF126.04-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3229
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF126.04	2.1
Shipped Total		2.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.06
Aluminum-based Metals/Alloys	0.00
Other Metals	8.08
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	1.62
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	11.15
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.29E+00
Np-237	4.98E-06
Pu-238	1.21E+00
Pu-239	3.40E+01
Pu-240	7.85E+00
Pu-241	7.25E+01
Pu-242	6.09E-04
Th-229	3.00E-15
Th-230	1.82E-09
Th-232	5.17E-17
U-233	3.22E-11
U-234	7.27E-05
U-235	1.73E-06
U-236	6.98E-07
U-238	1.51E-08

Haz. Waste No(s).

D007, D008, F001, F002

TRUCON Code(s)

126/226

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF128.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF128.01	198.2
Shipped Total		198.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.71
Aluminum-based Metals/Alloys	0.00
Other Metals	5.88
Other Inorganic Materials	9.14
Cellulosics	0.00
Rubber	0.00
Plastics	1.18
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.75E+00
Np-237	1.83E-05
Pu-238	1.90E+00
Pu-239	4.29E+01
Pu-240	1.04E+01
Pu-241	9.42E+01
Pu-242	7.61E-04
Th-229	6.75E-14
Th-230	6.47E-10
Th-232	1.90E-16
U-233	3.13E-10
U-234	2.81E-05
U-235	2.28E-07
U-236	1.54E-06
U-238	1.47E-10

Haz. Waste No(s).

D005, D006, D007, D008, D010, D011

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF129.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF129.01	8.3
55-gal Drum Dir Ld w/o Liner	WP-RF129.01	0.6
55-gal POC - 12" w/ Liner	WP-RF129.01	3.3
SWB Dir Ld w/o Liner	WP-RF129.01	455.5
Shipped Total		467.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	151.84
Aluminum-based Metals/Alloys	1.45
Other Metals	23.51
Other Inorganic Materials	20.31
Cellulosics	14.40
Rubber	2.70
Plastics	26.27
Cements	0.00
Inorganic Matrix	0.22
Organic Matrix	0.61
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.40E-01
Am-243	2.19E-07
Cs-137	2.28E-07
Np-237	4.52E-06
Pu-238	9.75E-02
Pu-239	1.86E+00
Pu-240	4.44E-01
Pu-241	1.00E+01
Pu-242	5.81E-05
Pu-244	9.20E-24
Th-229	7.69E-15
Th-230	2.25E-09
Th-232	2.93E-18
U-233	5.58E-11
U-234	8.39E-05
U-235	2.93E-06
U-236	3.95E-08
U-238	1.33E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF129.05-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF129.05	2.1
55-gal Drum Dir Ld w/o Liner	WP-RF129.05	0.2
SWB Dir Ld w/o Liner	WP-RF129.05	446.0
Shipped Total		448.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	182.14
Aluminum-based Metals/Alloys	0.66
Other Metals	61.87
Other Inorganic Materials	6.36
Cellulosics	8.09
Rubber	2.72
Plastics	22.28
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.26
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.43E-01
Am-243	7.64E-07
Np-237	2.23E-05
Pu-238	9.17E-02
Pu-239	1.68E+00
Pu-240	4.05E-01
Pu-241	9.67E+00
Pu-242	5.51E-05
Th-229	4.02E-14
Th-230	3.56E-10
Th-232	2.67E-18
U-233	2.87E-10
U-234	1.36E-05
U-235	4.19E-07
U-236	3.60E-08
U-238	1.41E-07

Haz. Waste No(s).

D008

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF130.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF130.01	25.4
55-gal Drum Dir Ld w/o Liner	WP-RF130.01	1.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-RF130.01	11.3
Shipped Total		38.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.34
Aluminum-based Metals/Alloys	1.41
Other Metals	6.65
Other Inorganic Materials	8.05
Cellulosics	0.81
Rubber	0.13
Plastics	7.57
Cements	0.00
Inorganic Matrix	2.91
Organic Matrix	7.06
Soils/gravel	0.03
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.16E+00
Cm-244	3.61E-09
Cs-137	1.78E-05
Np-237	2.10E-04
Pu-238	6.50E-01
Pu-239	1.28E+01
Pu-240	2.99E+00
Pu-241	6.94E+01
Pu-242	3.95E-04
Pu-244	4.41E-18
Sr-90	8.66E-04
Th-229	3.78E-13
Th-230	1.28E-07
Th-232	1.18E-10
U-233	2.70E-09
U-234	1.05E-03
U-235	4.10E-05
U-236	2.66E-07
U-238	5.93E-05

Haz. Waste No(s).

D004, D005, D008, D009, D010, D022, D027, D028, D029, D032, D033, D034, D043, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF134.02-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Soils	**Waste Matrix Code**	S4200
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB Dir Ld w/o Liner	WP-RF134.02	11.3
Shipped Total		11.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.35
Aluminum-based Metals/Alloys	2.23
Other Metals	0.00
Other Inorganic Materials	0.63
Cellulosics	10.66
Rubber	0.00
Plastics	10.56
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	666.10
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.81E-02
Np-237	1.65E-08
Pu-238	4.08E-03
Pu-239	8.16E-02
Pu-240	1.90E-02
Pu-241	4.37E-01
Pu-242	2.49E-06
Th-229	9.81E-18
Th-230	4.76E-13
Th-232	1.25E-19
U-233	1.06E-13
U-234	3.51E-08
U-235	2.42E-10
U-236	1.69E-09
U-238	1.13E-15

Haz. Waste No(s).

F001, F002, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF135.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3290	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF135.01	2.3
Shipped Total		2.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	5.51
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	802.10
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.18E+00
Np-237	2.19E-05
Pu-238	7.13E-02
Pu-239	1.45E+00
Pu-240	3.36E-01
Pu-241	7.68E+00
Pu-242	4.38E-05
Th-229	3.76E-14
Th-230	3.80E-09
Th-232	2.21E-18
U-233	2.72E-10
U-234	1.41E-04
U-235	1.63E-05
U-236	2.98E-08
U-238	1.26E-03

Haz. Waste No(s).

D022, D026, D027, D029, D030, D032, D034, D036, D037, F001, F002

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF135.02-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3290	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF135.02	10.4
Shipped Total		10.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.82
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.61
Rubber	0.00
Plastics	0.42
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	446.57
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.27E-01
Np-237	1.22E-06
Pu-238	2.97E-02
Pu-239	5.94E-01
Pu-240	1.38E-01
Pu-241	3.32E+00
Pu-242	1.80E-05
Th-229	9.57E-16
Th-230	7.12E-09
Th-232	4.03E-19
U-233	1.03E-11
U-234	3.96E-04
U-235	1.28E-05
U-236	8.17E-09
U-238	1.13E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D026, D027, D028, D029, D030, D032, D034, D036, D043, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF137.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF137.01	0.4
Shipped Total		0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	29.18
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	240.94
Cellulosics	0.00
Rubber	1.49
Plastics	20.22
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.17E-01
Np-237	8.31E-06
Pu-238	7.98E-02
Pu-239	1.64E+00
Pu-240	3.79E-01
Pu-241	8.62E+00
Pu-242	4.92E-05
Th-229	1.46E-14
Th-230	9.31E-12
Th-232	2.50E-18
U-233	1.05E-10
U-234	6.88E-07
U-235	4.85E-09
U-236	3.37E-08
U-238	2.23E-14

Haz. Waste No(s).

D007, D008

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF139.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF139.01	11.6
Shipped Total		11.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	44.57
Cellulosics	0.00
Rubber	0.00
Plastics	4.14
Cements	0.00
Inorganic Matrix	744.45
Organic Matrix	14.88
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.13E+01
Np-237	2.76E-04
Pu-238	1.42E-01
Pu-239	2.87E+00
Pu-240	6.66E-01
Pu-241	1.60E+01
Pu-242	8.68E-05
Th-229	2.15E-13
Th-230	3.78E-09
Th-232	1.95E-18
U-233	2.32E-09
U-234	2.10E-04
U-235	1.71E-05
U-236	3.95E-08
U-238	1.11E-03

Haz. Waste No(s).

D004, D005, D009, D010, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF140.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5420
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RF140.01	4.0
SWB Dir Ld w/o Liner	WP-RF140.01	168.2
Shipped Total		172.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	149.72
Aluminum-based Metals/Alloys	2.38
Other Metals	60.72
Other Inorganic Materials	47.21
Cellulosics	4.14
Rubber	1.58
Plastics	5.57
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.02
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.77E-01
Am-243	7.90E-08
Np-237	2.35E-06
Pu-238	7.87E-02
Pu-239	1.44E+00
Pu-240	3.49E-01
Pu-241	8.28E+00
Pu-242	4.72E-05
Th-229	4.00E-15
Th-230	2.84E-11
Th-232	2.30E-18
U-233	2.90E-11
U-234	1.39E-06
U-235	2.72E-08
U-236	3.10E-08
U-238	2.03E-10

Haz. Waste No(s).

D005, D008, D009, D011, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF141.01-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF141.01	45.6
Shipped Total		45.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	7.30
Aluminum-based Metals/Alloys	0.00
Other Metals	8.83
Other Inorganic Materials	14.35
Cellulosics	0.00
Rubber	0.00
Plastics	1.77
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.64E+00
Np-237	3.31E-06
Pu-238	1.58E+00
Pu-239	3.99E+01
Pu-240	9.36E+00
Pu-241	9.89E+01
Pu-242	6.16E-04
Th-229	1.96E-15
Th-230	1.58E-07
Th-232	6.17E-17
U-233	2.11E-11
U-234	5.86E-03
U-235	1.88E-04
U-236	8.33E-07
U-238	1.66E-06

Haz. Waste No(s).

D006, D007, D008

TRUCON Code(s)

122/222, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RF141.02-S

Appendix A

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RF141.02	176.0
Shipped Total		176.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.27
Aluminum-based Metals/Alloys	0.01
Other Metals	6.35
Other Inorganic Materials	11.00
Cellulosics	0.00
Rubber	0.00
Plastics	1.27
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.07E+00
Np-237	1.39E-03
Pu-238	1.59E+00
Pu-239	4.22E+01
Pu-240	1.01E+01
Pu-241	9.35E+01
Pu-242	8.65E-04
Th-229	2.54E-12
Th-230	4.50E-08
Th-232	6.64E-17
U-233	1.81E-08
U-234	1.67E-03
U-235	5.36E-05
U-236	8.97E-07
U-238	4.73E-07

Haz. Waste No(s).

D007, D008

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL105-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code** S5000	**Handling** CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006
Stream Name	105-C, 105KE, and 105-N Bldg TRU Mixed Debris			**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.1	0.0	8.1
Box - Misc	87.4	0.0	87.4
Uncontained	4.6	0.0	4.6
Uncontained	35.0	0.0	35.0
Current Form Total	135.2	0.0	135.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	14.4	0.0	14.4
SWB Dir Ld w/ Liner	143.6	0.0	143.6
Final Form Total	158.0	0.0	158.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	692.43
Aluminum-based Metals/Alloys	161.34
Other Metals	0.00
Other Inorganic Materials	39.73
Cellulosics	20.04
Rubber	4.41
Plastics	31.84
Cements	0.00
Inorganic Matrix	5.38
Organic Matrix	0.00
Soils/gravel	1.66
Vitrified	0.00
Packaging Material, Steel	151.44
Packaging Material, Plastic	4.45
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	3.07E-01
Pu-238	5.22E-03
Pu-239	1.85E-01
Pu-240	4.17E-02
Pu-241	8.39E-01
Pu-242	2.50E-06
Sr-90	2.85E-01
Th-232	3.78E-06
U-234	4.98E-02
U-235	5.13E-03
U-238	5.52E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL105-03

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3000
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	NLOP sludge			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	69.1	0.0	69.1
Current Form Total	69.1	0.0	69.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	69.1	0.0	69.1
Final Form Total	69.1	0.0	69.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	28.80
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	2.40
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	769.00
Inorganic Matrix	541.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.36E-01
Cs-137	1.49E+00
Np-237	7.46E-05
Pu-238	4.31E-02
Pu-239	2.09E-01
Pu-240	1.15E-01
Pu-241	5.73E+00
Pu-242	5.54E-05
Sr-90	2.72E-01
U-234	3.91E-04
U-235	1.39E-05
U-238	2.95E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

111/211

Waste Stream Description

Solidified inorganic CH TRU waste generated from Facility/Equipment Operation and Maintenance activities at the Reactor facility.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL105-07

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	105-KE Bldg TRU RH Nonmixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.6	0.0	4.6
Box - Misc	73.8	0.0	73.8
Current Form Total	78.3	0.0	78.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	73.0	0.0	73.0
Final Form Total	73.0	0.0	73.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	692.43
Aluminum-based Metals/Alloys	161.34
Other Metals	0.00
Other Inorganic Materials	39.73
Cellulosics	20.04
Rubber	4.41
Plastics	31.84
Cements	0.00
Inorganic Matrix	5.38
Organic Matrix	0.00
Soils/gravel	1.66
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.12E-01
Am-243	2.46E-06
Cm-244	6.62E-02
Cs-137	1.05E+00
Np-237	5.26E-05
Pu-238	3.43E-02
Pu-239	1.59E-01
Pu-240	8.76E-02
Pu-241	4.28E+00
Pu-242	3.61E-05
Sr-90	3.96E-01
Th-229	2.81E-13
Th-230	3.19E-09
Th-232	3.25E-06
U-233	3.11E-09
U-234	3.55E-04
U-235	1.34E-05
U-236	5.03E-05
U-238	2.89E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

The waste stream ranges from contaminated clothing to process equipment.

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REACTOR FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL105-09

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	105KE TRU RH mixed solidified inorganics			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	367.1	0.0	367.1
Current Form Total	367.1	0.0	367.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	518.9	0.0	518.9
Final Form Total	518.9	0.0	518.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	212.02
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	7.91
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	778.27
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.50E+00
Cs-137	9.90E-01
Np-237	5.73E-06
Pu-238	8.87E-01
Pu-239	7.10E-03
Pu-240	1.27E-02
Pu-241	2.26E+02
Sr-90	1.01E+00
Th-229	8.17E-15
Th-230	2.90E-10
Th-232	2.32E-19
U-233	5.52E-11
U-234	1.28E-05
U-235	3.50E-11
U-236	1.88E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

311

Waste Stream Description

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REACTOR FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL200-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Misc 200 Area TRU Mixed Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	32.7	0.0	32.7
Box - Misc	29.4	0.0	29.4
Uncontained	48.3	0.0	48.3
Current Form Total	110.4	0.0	110.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	86.9	0.0	86.9
SWB Dir Ld w/ Liner	39.7	0.0	39.7
Final Form Total	126.6	0.0	126.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	676.98
Aluminum-based Metals/Alloys	153.17
Other Metals	0.00
Other Inorganic Materials	40.09
Cellulosics	29.38
Rubber	10.13
Plastics	40.11
Cements	0.02
Inorganic Matrix	6.44
Organic Matrix	0.00
Soils/gravel	3.46
Vitrified	0.00
Packaging Material, Steel	137.91
Packaging Material, Plastic	25.78
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.79E-02
Cs-137	2.72E-04
Pu-238	5.54E-02
Pu-239	1.49E-01
Pu-240	3.32E-02
Pu-241	7.76E-01
Pu-242	1.98E-06
Sr-90	2.50E-04
U-234	8.08E-08
U-235	3.61E-09
U-238	7.87E-08

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D026, D027, D028, D029, D030, D032, D033, D034, D035, D036, D037, D038, D039, D040, D043, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixtures, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL201-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	201C TRU Mixed Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
Current Form Total	1.7	0.0	1.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	14.1	0.0	14.1
Final Form Total	14.1	0.0	14.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	28.57
Other Inorganic Materials	9.47
Cellulosics	66.67
Rubber	123.40
Plastics	33.33
Cements	0.00
Inorganic Matrix	0.96
Organic Matrix	0.00
Soils/gravel	325.10
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.94E-05
Np-237	2.13E-10
Pu-238	1.14E-05
Pu-239	4.68E-04
Pu-240	1.05E-04
Pu-241	9.12E-04
Pu-242	6.32E-09
Th-229	2.39E-18
Th-230	3.08E-14
Th-232	1.51E-20
U-233	5.82E-15
U-234	4.81E-10
U-235	6.46E-12
U-236	4.35E-11
U-238	1.33E-17

Haz. Waste No(s).

D007, D010

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from Remediation/D&D Waste activities at the PROCESS BUILDING, 3 HOT CELLS (DEMO'D). THE STREAM CONTAINS PLASTIC/POLYURETHANE, STAINLESS STEEL, PAPER/CARDBOARD, RUBBER, LEAD, CLOTH/RAGS/NYLON.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL202S-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	202S TRU Mixed Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Current Form Total	1.0	0.0	1.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.5	0.0	1.5
Final Form Total	1.5	0.0	1.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2.38
Aluminum-based Metals/Alloys	0.79
Other Metals	0.67
Other Inorganic Materials	0.00
Cellulosics	2.90
Rubber	0.67
Plastics	46.16
Cements	0.00
Inorganic Matrix	3.12
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.71E-02
Cs-137	3.71E-01
Np-237	8.35E-08
Pu-238	2.86E-03
Pu-239	6.04E-02
Pu-240	1.45E-02
Pu-241	8.83E-02
Pu-242	6.69E-07
Sr-90	3.38E-01
Th-229	2.73E-16
Th-230	1.86E-12
Th-232	5.19E-19
U-233	1.25E-12
U-234	5.85E-08
U-235	4.17E-10
U-236	3.00E-09
U-238	7.07E-16

Haz. Waste No(s).

D006, D007, D008, D009

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from Remediation/D&D Waste activities at the REDOX CANYON AND SERVICE FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL209E-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	209E TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	27.2	0.0	27.2
85-gal Drum Dir Ld w/ Liner	3.5	0.0	3.5
Box - Misc	12.5	0.0	12.5
Current Form Total	43.3	0.0	43.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	35.8	0.0	35.8
SWB Dir Ld w/ Liner	17.0	0.0	17.0
Final Form Total	52.8	0.0	52.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	567.01
Aluminum-based Metals/Alloys	94.95
Other Metals	0.00
Other Inorganic Materials	42.65
Cellulosics	95.92
Rubber	40.66
Plastics	98.97
Cements	59.65
Inorganic Matrix	13.97
Organic Matrix	0.00
Soils/gravel	16.25
Vitrified	0.00
Packaging Material, Steel	138.11
Packaging Material, Plastic	25.46
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.12E-01
Cs-137	1.72E-03
Np-237	1.38E-06
Pu-238	1.17E-01
Pu-239	4.78E+00
Pu-240	1.07E+00
Pu-241	9.10E+00
Pu-242	6.45E-05
Sr-90	1.58E-03
Th-229	1.70E-14
Th-230	5.30E-10
Th-232	2.54E-16
U-233	3.85E-11
U-234	6.40E-06
U-235	8.48E-08
U-236	5.70E-07
U-238	1.75E-13

Haz. Waste No(s).

D006, D007, D018, D019, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL216Z-02

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Soils	**Waste Matrix Code**	S4000
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	216-Z-9 TRU Mixed Soil			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	73.4	0.0	73.4
85-gal Drum Dir Ld w/ Liner	113.7	0.0	113.7
Box - Misc	12.7	0.0	12.7
Current Form Total	199.8	0.0	199.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	177.8	0.0	177.8
SWB w/ 4 - 55-gal Drums w/ Liners	17.0	0.0	17.0
Final Form Total	194.9	0.0	194.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	324.00
Vitrified	0.00
Packaging Material, Steel	137.81
Packaging Material, Plastic	35.19
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.68E-01
Cs-137	2.78E-03
Np-237	3.48E-07
Pu-238	2.94E-01
Pu-239	3.84E+00
Pu-240	8.53E-01
Pu-241	1.92E+01
Pu-242	4.93E-05
Sr-90	2.55E-03
Th-229	9.22E-17
Th-230	1.52E-11
Th-232	2.50E-18
U-233	1.49E-12
U-234	1.68E-06
U-235	7.57E-09
U-236	5.06E-08
U-238	1.49E-14

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D019, D027, D030, D039, F001, F002, F003, F005

No TRUCON Codes Provided

Waste Stream Description

Waste consists of soil contaminated with TRU solutions. Soil is contained in a 0.3 mm polyethylene bag within an inner container. The outer container is a standard 55-gallon drum. Vermiculite is a packing material between the inner and outer container.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL221T-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	221-T TRU Mixed Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.5	0.0	3.5
Box - Misc	8.7	0.0	8.7
Current Form Total	12.2	0.0	12.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.4	0.0	4.4
SWB Dir Ld w/ Liner	13.2	0.0	13.2
Final Form Total	17.6	0.0	17.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	552.00
Aluminum-based Metals/Alloys	87.00
Other Metals	0.00
Other Inorganic Materials	43.00
Cellulosics	105.00
Rubber	45.00
Plastics	107.00
Cements	0.00
Inorganic Matrix	15.00
Organic Matrix	0.00
Soils/gravel	18.00
Vitrified	0.00
Packaging Material, Steel	147.87
Packaging Material, Plastic	10.09
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.67E-04
Cs-137	4.11E-05
Np-237	2.41E-09
Pu-238	6.95E-05
Pu-239	3.19E-03
Pu-240	7.15E-04
Pu-241	3.10E-03
Pu-242	4.32E-08
Sr-90	3.75E-05
Th-229	1.00E-16
Th-230	2.96E-12
Th-232	5.37E-19
U-233	1.25E-13
U-234	1.37E-08
U-235	3.93E-10
U-236	6.79E-10
U-238	6.34E-09

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL222S-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	222S TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	68.8	0.0	68.8
85-gal Drum Dir Ld w/ Liner	3.5	0.0	3.5
Current Form Total	72.4	0.0	72.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	88.6	0.0	88.6
Final Form Total	88.6	0.0	88.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	620.65
Aluminum-based Metals/Alloys	123.13
Other Metals	0.01
Other Inorganic Materials	41.32
Cellulosics	62.79
Rubber	24.79
Plastics	69.67
Cements	0.00
Inorganic Matrix	10.36
Organic Matrix	0.00
Soils/gravel	10.01
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.92E-03
Cs-137	5.01E-04
Pu-238	2.40E-03
Pu-239	8.01E-02
Pu-240	1.82E-02
Pu-241	3.56E-01
Pu-242	1.13E-06
Sr-90	4.66E-04
U-233	1.16E-02
U-234	5.54E-07
U-235	5.69E-08
U-238	6.13E-10

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D030, D039, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.
The waste is generated from Analytical Laboratory Waste activities at the CONTROL LABORATORY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL231Z-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	231-Z TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	112.1	0.0	112.1
85-gal Drum Dir Ld w/ Liner	25.8	0.0	25.8
Box - Misc	831.4	0.0	831.4
Current Form Total	969.3	0.0	969.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	155.8	0.0	155.8
SWB Dir Ld w/ Liner	1117.0	0.0	1117.0
Final Form Total	1272.8	0.0	1272.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	675.33
Aluminum-based Metals/Alloys	152.96
Other Metals	0.35
Other Inorganic Materials	40.04
Cellulosics	28.99
Rubber	8.68
Plastics	39.70
Cements	92.25
Inorganic Matrix	6.40
Organic Matrix	0.00
Soils/gravel	3.38
Vitrified	0.00
Packaging Material, Steel	150.72
Packaging Material, Plastic	5.58
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.50E-01
Cs-137	1.42E-04
Np-237	8.78E-07
Pu-238	7.56E-02
Pu-239	1.19E+00
Pu-240	2.68E-01
Pu-241	3.38E+00
Pu-242	1.61E-05
Sr-90	1.29E-04
Th-229	8.89E-15
Th-230	4.71E-08
Th-232	4.34E-08
U-233	2.28E-11
U-234	4.05E-04
U-235	1.15E-06
U-236	1.03E-07
U-238	4.43E-05

Haz. Waste No(s).

D006, D008, D009, D019, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.
The waste is generated from R&D/R&D Laboratory Waste activities at the MATERIALS ENGINEERING LABORATORY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL231Z-03

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	231Z TRU Mixed Solid Inorganic					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
85-gal Drum Dir Ld w/ Liner	1.6	0.0	1.6
Current Form Total	1.6	0.0	1.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/o Liners	13.2	0.0	13.2
Final Form Total	13.2	0.0	13.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	71.25
Other Inorganic Materials	0.13
Cellulosics	4.46
Rubber	1.06
Plastics	13.97
Cements	0.00
Inorganic Matrix	63.37
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.81E-01
Np-237	6.63E-06
Pu-238	2.88E-01
Pu-239	3.81E-03
Pu-240	3.26E-03
Pu-241	6.90E+00
Pu-242	2.94E-08
Th-229	2.64E-13
Th-230	3.10E-09
Th-232	1.74E-18
U-233	3.40E-10
U-234	2.46E-05
U-235	1.01E-10
U-236	2.61E-09
U-238	1.20E-16

Haz. Waste No(s).

D006, D007, D008, D009, D019, F001, F002, F003, F005

TRUCON Code(s)

122/222

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the MATERIALS ENGINEERING LABORATORY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL233S-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	233S TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.3	0.0	8.3
85-gal Drum Dir Ld w/ Liner	7.7	0.0	7.7
SWB Dir Ld w/ Liner	54.8	0.0	54.8
Current Form Total	70.9	0.0	70.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	36.4	0.0	36.4
SWB Dir Ld w/ Liner	54.8	0.0	54.8
Final Form Total	91.2	0.0	91.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	538.07
Aluminum-based Metals/Alloys	84.80
Other Metals	0.02
Other Inorganic Materials	44.37
Cellulosics	102.35
Rubber	43.86
Plastics	104.74
Cements	0.00
Inorganic Matrix	14.62
Organic Matrix	0.01
Soils/gravel	18.78
Vitrified	0.00
Packaging Material, Steel	144.44
Packaging Material, Plastic	15.49
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.49E-02
Cs-137	8.19E-05
Np-237	2.54E-08
Pu-238	3.98E-02
Pu-239	7.77E-01
Pu-240	1.90E-01
Pu-241	3.58E+00
Pu-242	6.61E-05
Sr-90	7.61E-05
Th-229	6.39E-18
Th-230	2.05E-12
Th-232	5.55E-19
U-233	1.05E-13
U-234	2.27E-07
U-235	1.53E-09
U-236	1.12E-08
U-238	2.00E-14

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F003, F005

TRUCON Code(s)

122/222

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.
The waste is generated from Remediation/D&D Waste activities at the PLUTONIUM CONCENTRATION FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL2718-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	2714U and 2718E TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
Final Form Total	0.8	0.0	0.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	42.51
Other Inorganic Materials	83.98
Cellulosics	6.79
Rubber	9.17
Plastics	13.58
Cements	0.00
Inorganic Matrix	7.70
Organic Matrix	0.00
Soils/gravel	33.69
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.20E-01
Cs-137	7.05E-05
Np-237	2.20E-06
Pu-238	5.10E-04
Pu-239	6.34E-02
Pu-240	1.08E-02
Pu-241	1.50E-02
Pu-242	9.48E-08
Sr-90	6.35E-05
Th-229	3.84E-14
Th-230	1.81E-12
Th-232	2.03E-18
U-233	7.66E-11
U-234	2.47E-08
U-235	1.00E-09
U-236	5.13E-09
U-238	2.29E-16

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the WAREHOUSE and CRITICAL MASS STORAGE.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL300-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	300 Area TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	36.4	0.0	36.4
85-gal Drum Dir Ld w/ Liner	27.0	0.0	27.0
Box - Misc	5.9	0.0	5.9
Current Form Total	69.3	0.0	69.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	65.3	0.0	65.3
SWB Dir Ld w/ Liner	7.6	0.0	7.6
Final Form Total	72.9	0.0	72.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	591.48
Aluminum-based Metals/Alloys	109.07
Other Metals	0.64
Other Inorganic Materials	42.03
Cellulosics	78.77
Rubber	32.49
Plastics	83.91
Cements	68.44
Inorganic Matrix	12.02
Organic Matrix	0.00
Soils/gravel	12.94
Vitrified	0.00
Packaging Material, Steel	133.15
Packaging Material, Plastic	33.29
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.15E-01
Cs-137	1.80E-02
Pu-238	1.47E-01
Pu-239	2.13E+00
Pu-240	4.77E-01
Pu-241	9.59E+00
Pu-242	2.87E-05
Sr-90	1.67E-02
Th-232	4.56E-05
U-233	5.19E-02
U-234	3.28E-03
U-235	1.53E-04
U-238	4.18E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D027, D028, D029, D030, D034, D035, D037, D043, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.
The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the WASTE NEUTRALIZATION FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL308-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	308 TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	18.9	0.0	18.9
85-gal Drum Dir Ld w/ Liner	1.6	0.0	1.6
SWB Dir Ld w/ Liner	1.9	0.0	1.9
Current Form Total	22.4	0.0	22.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	24.3	0.0	24.3
SWB Dir Ld w/ Liner	3.8	0.0	3.8
Final Form Total	28.1	0.0	28.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	269.24
Aluminum-based Metals/Alloys	53.46
Other Metals	66.19
Other Inorganic Materials	33.59
Cellulosics	29.17
Rubber	11.53
Plastics	54.73
Cements	5.89
Inorganic Matrix	5.87
Organic Matrix	0.22
Soils/gravel	3.02
Vitrified	0.00
Packaging Material, Steel	133.85
Packaging Material, Plastic	32.19
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.72E+00
Cs-137	2.45E-04
Pu-238	1.33E+00
Pu-239	3.10E-01
Pu-240	1.20E-01
Pu-241	1.04E+02
Pu-242	6.57E-06
Sr-90	2.27E-04
U-233	2.20E-03
U-234	4.69E-04
U-235	6.25E-06
U-238	1.60E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D027, D028, D029, D030, D034, D037, D043, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.
The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL324-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	324 TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	9.6	0.0	9.6
85-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Box - Misc	90.4	0.0	90.4
Current Form Total	101.0	0.0	101.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	12.5	0.0	12.5
SWB Dir Ld w/ Liner	122.9	0.0	122.9
Final Form Total	135.3	0.0	135.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	443.18
Aluminum-based Metals/Alloys	0.00
Other Metals	175.87
Other Inorganic Materials	51.60
Cellulosics	2.97
Rubber	0.96
Plastics	1.68
Cements	0.12
Inorganic Matrix	0.02
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	151.41
Packaging Material, Plastic	4.50
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.53E-01
Cs-137	5.63E-02
Pu-238	8.07E-02
Pu-239	3.02E+00
Pu-240	6.74E-01
Pu-241	9.83E+00
Pu-242	4.10E-05
Sr-90	3.45E-02

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D027, D028, D029, D030, D033, D034, D035, D036, D037, D039, D040, D043, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL324-07

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	324 TRU RH Nonmixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	50.1	0.0	50.1
Current Form Total	50.1	0.0	50.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	67.6	0.0	67.6
Final Form Total	67.6	0.0	67.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	217.72
Aluminum-based Metals/Alloys	0.00
Other Metals	527.37
Other Inorganic Materials	129.83
Cellulosics	8.75
Rubber	7.43
Plastics	5.17
Cements	0.00
Inorganic Matrix	0.34
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.68E+00
Cs-137	7.21E+02
Np-237	2.68E-06
Pu-238	8.45E-02
Pu-239	1.18E-01
Pu-240	3.29E-02
Pu-241	7.08E+00
Pu-242	1.04E-03
Sr-90	3.72E+02
Th-229	4.44E-15
Th-230	2.77E-11
Th-232	6.03E-19
U-233	2.85E-11
U-234	1.22E-06
U-235	5.82E-10
U-236	4.88E-09
U-238	7.85E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL324-08

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	324 TRU RH Mixed Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	50.0	0.0	50.0
Current Form Total	50.0	0.0	50.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	67.6	0.0	67.6
Final Form Total	67.6	0.0	67.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	273.20
Aluminum-based Metals/Alloys	0.00
Other Metals	207.93
Other Inorganic Materials	14.53
Cellulosics	0.96
Rubber	0.00
Plastics	0.45
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	41.22
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.38E+00
Cs-137	1.72E+03
Np-237	1.20E-05
Pu-238	4.23E-01
Pu-239	8.42E-02
Pu-240	8.25E-02
Pu-241	3.16E+00
Pu-242	1.33E-04
Sr-90	1.17E+03
Th-229	2.00E-14
Th-230	1.39E-10
Th-232	1.51E-18
U-233	1.28E-10
U-234	6.12E-06
U-235	4.15E-10
U-236	1.22E-08
U-238	1.00E-13

Haz. Waste No(s).

D004, D006, D007, D008

TRUCON Code(s)

325

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL325-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	325 TRU Mixed Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	723.2	0.0	723.2
85-gal Drum Dir Ld w/ Liner	264.4	0.0	264.4
Box - Misc	223.2	0.0	223.2
SWB Dir Ld w/ Liner	17.0	0.0	17.0
Uncontained	1.7	0.0	1.7
Current Form Total	1229.5	0.0	1229.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1082.8	0.0	1082.8
SWB Dir Ld w/ Liner	317.5	0.0	317.5
Final Form Total	1400.4	0.0	1400.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	289.08
Aluminum-based Metals/Alloys	0.01
Other Metals	33.76
Other Inorganic Materials	127.09
Cellulosics	41.55
Rubber	1.81
Plastics	22.73
Cements	48.14
Inorganic Matrix	6.61
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	135.95
Packaging Material, Plastic	28.88
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.16E-01
Cs-137	1.31E-01
Pu-238	6.73E-02
Pu-239	2.21E-01
Pu-240	7.41E-02
Pu-241	2.63E+00
Pu-242	2.63E-05
Sr-90	7.61E-01

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D027, D028, D029, D030, D033, D034, D035, D036, D037, D038, D039, D040, D043, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the CESIUM RECOVERY FAC and the RADIOCHEMISTRY BUILDING.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL325-03

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	325 TRU Mixed Solid Inorganic			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
Current Form Total	1.7	0.0	1.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.1	0.0	2.1
Final Form Total	2.1	0.0	2.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2.32
Aluminum-based Metals/Alloys	0.00
Other Metals	23.25
Other Inorganic Materials	10.84
Cellulosics	1.20
Rubber	0.96
Plastics	15.50
Cements	0.00
Inorganic Matrix	141.77
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.36E-01
Cs-137	9.01E-04
Pu-238	1.18E-01
Pu-239	2.60E-01
Pu-240	1.58E-01
Pu-241	3.80E+00
Pu-242	7.97E-05
Sr-90	8.21E-04
U-235	1.88E-06
U-238	1.29E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D027, D028, D029, D030, D033, D034, D036, D038, D039, D040, D043, F001, F002, F003, F004, F005

TRUCON Code(s)

122/222

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL325-05

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	325 TRU Nonmixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	5.3	0.0	5.3
Current Form Total	5.3	0.0	5.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.2	0.0	5.2
Final Form Total	5.2	0.0	5.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	77.49
Aluminum-based Metals/Alloys	0.01
Other Metals	95.98
Other Inorganic Materials	28.51
Cellulosics	28.18
Rubber	2.12
Plastics	22.93
Cements	0.00
Inorganic Matrix	19.62
Organic Matrix	0.00
Soils/gravel	0.06
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.05E+01
Cs-137	9.89E-02
Np-237	1.46E-05
Pu-238	2.89E+00
Pu-239	7.37E-02
Pu-240	7.43E-02
Pu-241	3.45E+02
Pu-242	1.30E-04
Sr-90	1.33E-02
Th-229	2.23E-14
Th-230	9.48E-10
Th-232	1.36E-18
U-233	1.47E-10
U-234	4.19E-05
U-235	1.09E-06
U-236	1.10E-08
U-238	1.65E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the CESIUM RECOVERY FAC. The waste is generated from R&D/R&D Laboratory Waste activities at the FIELD OFFICE BUILDING. The waste is generated from R&D/R&D Laboratory Waste activities at

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL325-07

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	325 TRU RH Nonmixed Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Box - Misc	64.7	0.0	64.7
SLB2	0.0	0.0	0.0
Uncontained	20.0	0.0	20.0
Current Form Total	85.1	0.0	85.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	143.3	0.0	143.3
Final Form Total	143.3	0.0	143.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	353.21
Aluminum-based Metals/Alloys	0.00
Other Metals	245.11
Other Inorganic Materials	121.24
Cellulosics	7.77
Rubber	8.54
Plastics	31.04
Cements	0.00
Inorganic Matrix	6.64
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.94E+01
Cs-137	2.83E+00
Np-237	5.75E-04
Pu-238	5.57E+00
Pu-239	3.79E-01
Pu-240	4.89E-01
Pu-241	6.39E+02
Pu-242	2.44E-04
Sr-90	1.69E+00
Th-229	2.03E-11
Th-230	5.07E-08
Th-232	2.24E-16
U-233	2.79E-08
U-234	4.37E-04
U-235	6.62E-06
U-236	3.63E-07
U-238	9.20E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL325-08

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	325 TRU RH Mixed Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	3.2	0.0	3.2
Current Form Total	3.2	0.0	3.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	13.4	0.0	13.4
Final Form Total	13.4	0.0	13.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	502.58
Aluminum-based Metals/Alloys	0.00
Other Metals	0.58
Other Inorganic Materials	262.90
Cellulosics	11.24
Rubber	2.42
Plastics	20.60
Cements	0.00
Inorganic Matrix	3.32
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.81E-01
Cs-137	2.51E+01
Np-237	4.67E-07
Pu-238	3.76E-01
Pu-239	2.40E+00
Pu-240	1.20E+00
Pu-241	4.48E+01
Sr-90	2.44E+01
Th-229	5.03E-16
Th-230	1.23E-10
Th-232	2.19E-17
U-233	3.82E-12
U-234	5.45E-06
U-235	1.18E-08
U-236	1.77E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL327-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	327 TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	28.9	0.0	28.9
85-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Box - Misc	33.8	0.0	33.8
Uncontained	7.3	0.0	7.3
Current Form Total	70.7	0.0	70.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	35.6	0.0	35.6
SWB Dir Ld w/ Liner	45.4	0.0	45.4
Final Form Total	80.9	0.0	80.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	938.23
Aluminum-based Metals/Alloys	0.00
Other Metals	211.70
Other Inorganic Materials	15.65
Cellulosics	15.94
Rubber	0.00
Plastics	18.70
Cements	0.00
Inorganic Matrix	0.54
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	143.52
Packaging Material, Plastic	16.93
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.17E-01
Cs-137	8.32E+01
Pu-238	2.10E-01
Pu-239	8.73E-02
Pu-240	7.66E-02
Pu-241	6.01E+00
Pu-242	1.11E-04
Sr-90	1.28E-04

Haz. Waste No(s).

D005, D006, D007, D008, D009, D010, D011, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the POST IRRADIATION TEST LABORATORY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL327-07

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	327 TRU RH Nonmixed Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SLB2	0.1	0.0	0.1
Current Form Total	0.1	0.0	0.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	16.9	0.0	16.9
Final Form Total	16.9	0.0	16.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8569.72
Aluminum-based Metals/Alloys	0.00
Other Metals	3.10
Other Inorganic Materials	0.97
Cellulosics	1.11
Rubber	0.01
Plastics	5.10
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.59E+01
Cs-137	1.20E+03
Np-237	9.00E-05
Pu-238	5.24E+00
Pu-239	9.49E+00
Pu-240	6.45E+00
Pu-241	1.57E+02
Pu-242	5.70E-03
Sr-90	4.48E+02
Th-229	2.67E-12
Th-230	1.07E-07
Th-232	2.37E-14
U-233	3.96E-09
U-234	6.86E-04
U-235	2.29E-04
U-236	2.23E-05
U-238	5.67E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the POST IRRADIATION TEST LABORATORY.
The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLARG-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Argonne Nat Lab TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
Final Form Total	0.8	0.0	0.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	593.93
Aluminum-based Metals/Alloys	80.58
Other Metals	9.92
Other Inorganic Materials	39.83
Cellulosics	97.25
Rubber	41.68
Plastics	99.10
Cements	0.00
Inorganic Matrix	26.24
Organic Matrix	0.00
Soils/gravel	16.67
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.00E+01
Cs-137	5.73E-05
Np-237	9.77E-05
Pu-238	5.52E+00
Pu-239	2.04E+01
Pu-240	1.03E+01
Pu-241	2.43E+02
Pu-242	4.40E-03
Sr-90	5.17E-05
Th-229	5.11E-04
Th-230	6.95E-07
Th-232	1.52E-04
U-233	2.60E-01
U-234	3.85E-03
U-235	3.59E-04
U-236	6.40E-06
U-238	3.88E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.
The waste is generated from R&D/R&D Laboratory Waste activities at the Argonne National Laboratory - East (IL).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLBART-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Bartlesville TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	552.00
Aluminum-based Metals/Alloys	87.00
Other Metals	0.00
Other Inorganic Materials	43.00
Cellulosics	105.00
Rubber	45.00
Plastics	107.00
Cements	0.00
Inorganic Matrix	15.00
Organic Matrix	0.00
Soils/gravel	18.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.64E+00
Cs-137	2.89E-02
Np-237	1.35E-05
Pu-238	1.34E-06
Pu-239	5.81E-05
Pu-240	1.30E-05
Pu-241	7.89E-05
Pu-242	7.85E-10
Sr-90	2.65E-02
Th-229	5.79E-13
Th-230	1.22E-14
Th-232	5.94E-21
U-233	7.39E-10
U-234	1.05E-10
U-235	1.43E-12
U-236	9.62E-12
U-238	2.96E-18

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLBAT-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Battelle Columbus TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.5	0.0	8.5
85-gal Drum Dir Ld w/ Liner	11.3	0.0	11.3
Current Form Total	19.8	0.0	19.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	19.1	0.0	19.1
Final Form Total	19.1	0.0	19.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	644.02
Aluminum-based Metals/Alloys	135.72
Other Metals	0.00
Other Inorganic Materials	40.86
Cellulosics	49.32
Rubber	18.40
Plastics	57.75
Cements	0.00
Inorganic Matrix	8.69
Organic Matrix	0.00
Soils/gravel	7.29
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.21E-02
Cs-137	1.68E-03
Np-237	1.50E-07
Pu-238	3.86E+00
Pu-239	4.75E-01
Pu-240	1.06E-01
Pu-241	8.58E-01
Pu-242	6.40E-06
Sr-90	1.55E-03
Th-229	2.06E-15
Th-230	6.53E-08
Th-232	2.80E-17
U-233	4.44E-12
U-234	4.91E-04
U-235	1.85E-05
U-236	5.97E-08
U-238	5.74E-05

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, F001, F002, F003, F005, P015

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLBAT-08

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	BATCO TRU RH Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.2	0.0	4.2
Current Form Total	4.2	0.0	4.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	22.3	0.0	22.3
Final Form Total	22.3	0.0	22.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1377.22
Aluminum-based Metals/Alloys	0.00
Other Metals	12.30
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.81E-08
Np-237	4.57E-14
Pu-238	8.89E-09
Pu-239	3.50E-07
Pu-240	7.83E-08
Pu-241	8.67E-07
Pu-242	4.72E-12
Th-229	4.43E-23
Th-230	1.85E-18
Th-232	9.18E-25
U-233	3.77E-19
U-234	1.03E-13
U-235	1.38E-15
U-236	9.29E-15
U-238	2.85E-21

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the Battelle Columbus (OH).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLBET-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Bettis TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	552.00
Aluminum-based Metals/Alloys	87.00
Other Metals	0.00
Other Inorganic Materials	43.00
Cellulosics	105.00
Rubber	45.00
Plastics	107.00
Cements	0.00
Inorganic Matrix	15.00
Organic Matrix	0.00
Soils/gravel	18.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.35E-02
Cs-137	2.41E-01
Np-237	5.69E-08
Pu-238	3.29E-03
Pu-239	1.40E-01
Pu-240	3.12E-02
Pu-241	2.19E-01
Pu-242	1.88E-06
Sr-90	2.22E-01
Th-229	1.07E-15
Th-230	7.90E-08
Th-232	1.11E-17
U-233	1.97E-12
U-234	3.99E-04
U-235	4.09E-05
U-236	2.04E-08
U-238	4.40E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLBW-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Babcock Wilcox TRU Mixed Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	132.9	0.0	132.9
85-gal Drum Dir Ld w/ Liner	152.0	0.0	152.0
Box - Misc	17.0	0.0	17.0
Current Form Total	301.9	0.0	301.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	283.9	0.0	283.9
SWB Dir Ld w/ Liner	22.7	0.0	22.7
Final Form Total	306.6	0.0	306.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	617.29
Aluminum-based Metals/Alloys	121.57
Other Metals	0.00
Other Inorganic Materials	41.48
Cellulosics	65.49
Rubber	26.13
Plastics	72.05
Cements	33.89
Inorganic Matrix	10.53
Organic Matrix	0.00
Soils/gravel	10.40
Vitrified	0.00
Packaging Material, Steel	132.48
Packaging Material, Plastic	34.35
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.14E+00
Cs-137	3.20E-03
Pu-238	9.82E-02
Pu-239	3.51E+00
Pu-240	7.85E-01
Pu-241	1.59E+01
Pu-242	4.73E-05
Sr-90	2.98E-03
U-234	2.82E-04
U-235	5.96E-07
U-238	3.32E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D030, D035, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLCBWD.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	WP-RLCBWD.001	4.8
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-RLCBWD.001	9.6
Shipped Total		14.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	14.09
Aluminum-based Metals/Alloys	0.05
Other Metals	0.62
Other Inorganic Materials	30.33
Cellulosics	19.98
Rubber	3.83
Plastics	19.62
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.27E+00
Cs-137	3.31E-08
Np-237	8.06E-06
Pu-238	2.78E-01
Pu-239	1.65E+00
Pu-240	7.79E-01
Pu-241	1.21E+01
Pu-242	1.18E-04
Sr-90	3.01E-08
U-233	3.35E-04
U-234	4.23E-05
U-235	1.36E-06
U-238	1.70E-05

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLCFF-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Kerr McGee TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	11.2	0.0	11.2
85-gal Drum Dir Ld w/ Liner	2.9	0.0	2.9
Current Form Total	14.1	0.0	14.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	24.3	0.0	24.3
Final Form Total	24.3	0.0	24.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	484.28
Aluminum-based Metals/Alloys	72.96
Other Metals	8.09
Other Inorganic Materials	42.09
Cellulosics	89.32
Rubber	37.82
Plastics	96.02
Cements	0.00
Inorganic Matrix	14.76
Organic Matrix	0.38
Soils/gravel	14.99
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.46E+00
Cs-137	4.53E-03
Pu-238	1.91E+00
Pu-239	2.37E+01
Pu-240	5.28E+00
Pu-241	1.28E+02
Pu-242	3.14E-04
Sr-90	4.14E-03
U-234	3.42E-05
U-235	1.53E-06
U-238	3.32E-05

Haz. Waste No(s).

D007, D008, D009, D040, F001, F002, F003

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.
The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLCFF-03

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Kerr McGee TRU Mixed Solid Inorganic					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	4.8	0.0	4.8
Current Form Total	4.8	0.0	4.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.8	0.0	5.8
Final Form Total	5.8	0.0	5.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	49.24
Aluminum-based Metals/Alloys	0.00
Other Metals	3.86
Other Inorganic Materials	27.24
Cellulosics	1.16
Rubber	0.00
Plastics	2.31
Cements	0.00
Inorganic Matrix	254.00
Organic Matrix	6.95
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.31E-02
Cs-137	6.47E-05
Np-237	1.20E-07
Pu-238	3.60E-03
Pu-239	1.60E-01
Pu-240	3.58E-02
Pu-241	1.88E-01
Pu-242	2.16E-06
Sr-90	5.78E-05
Th-229	2.60E-15
Th-230	1.83E-11
Th-232	9.47E-18
U-233	4.57E-12
U-234	2.09E-07
U-235	3.00E-09
U-236	2.02E-08
U-238	6.18E-15

Haz. Waste No(s).

D007, D008, D009, F001, F002, F003

TRUCON Code(s)

122/222

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLCFFD.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RLCFFD.001	198.0
55-gal Drum Dir Ld w/o Liner	WP-RLCFFD.001	1.0
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-RLCFFD.001	62.3
Shipped Total		261.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	377.31
Aluminum-based Metals/Alloys	1.97
Other Metals	0.39
Other Inorganic Materials	37.11
Cellulosics	42.04
Rubber	8.98
Plastics	59.65
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.06
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.81E+00
Np-237	5.92E-07
Pu-238	3.64E-01
Pu-239	2.22E+00
Pu-240	1.12E+00
Pu-241	1.58E+01
Pu-242	1.71E-04
Th-229	4.14E-17
Th-230	1.39E-10
Th-232	4.99E-09
U-233	1.31E-12
U-234	1.60E-05
U-235	5.00E-07
U-236	3.33E-08
U-238	1.11E-05

Haz. Waste No(s).

D007, D008, D009, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLESG-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Energy Systems Group TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	35.4	0.0	35.4
85-gal Drum Dir Ld w/ Liner	19.6	0.0	19.6
Current Form Total	55.0	0.0	55.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	58.2	0.0	58.2
Final Form Total	58.2	0.0	58.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	510.60
Aluminum-based Metals/Alloys	77.15
Other Metals	7.59
Other Inorganic Materials	38.97
Cellulosics	95.75
Rubber	41.91
Plastics	96.10
Cements	0.00
Inorganic Matrix	14.01
Organic Matrix	0.00
Soils/gravel	17.08
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.51E-02
Cs-137	1.19E-03
Np-237	1.02E-07
Pu-238	3.21E-02
Pu-239	6.64E-01
Pu-240	1.50E-01
Pu-241	2.03E+00
Pu-242	9.24E-06
Sr-90	1.98E-03
Th-229	1.03E-16
Th-230	8.69E-09
Th-232	1.75E-18
U-233	8.38E-13
U-234	2.42E-04
U-235	2.46E-05
U-236	1.78E-08
U-238	5.05E-07

Haz. Waste No(s).

D006, D007, D008, F001, F002, F003

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.
The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLEXX-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Exxon TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	41.0	0.0	41.0
85-gal Drum Dir Ld w/ Liner	1.6	0.0	1.6
Current Form Total	42.6	0.0	42.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	51.0	0.0	51.0
Final Form Total	51.0	0.0	51.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	552.00
Aluminum-based Metals/Alloys	87.00
Other Metals	0.00
Other Inorganic Materials	43.00
Cellulosics	105.00
Rubber	45.00
Plastics	107.00
Cements	0.00
Inorganic Matrix	15.00
Organic Matrix	0.00
Soils/gravel	18.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.86E+00
Cs-137	2.48E-03
Np-237	4.60E-05
Pu-238	2.26E+00
Pu-239	9.77E+01
Pu-240	2.18E+01
Pu-241	1.39E+02
Pu-242	1.32E-03
Sr-90	2.27E-03
Th-229	1.04E-12
Th-230	1.86E-06
Th-232	9.23E-15
U-233	1.75E-09
U-234	8.71E-03
U-235	3.83E-04
U-236	1.56E-05
U-238	8.30E-03

Haz. Waste No(s).

D006, D007, D008, D011

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLGEV-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	GE San Jose and Vallecitos TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	19.3	0.0	19.3
85-gal Drum Dir Ld w/ Liner	14.2	0.0	14.2
Box - Misc	182.0	0.0	182.0
Current Form Total	215.5	0.0	215.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	34.5	0.0	34.5
SWB Dir Ld w/ Liner	245.7	0.0	245.7
Final Form Total	280.2	0.0	280.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	697.61
Aluminum-based Metals/Alloys	164.09
Other Metals	0.00
Other Inorganic Materials	39.61
Cellulosics	16.90
Rubber	2.91
Plastics	29.06
Cements	29.04
Inorganic Matrix	5.02
Organic Matrix	0.00
Soils/gravel	1.06
Vitrified	0.00
Packaging Material, Steel	150.70
Packaging Material, Plastic	5.61
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.65E-02
Cs-137	1.61E-04
Np-237	7.34E-08
Pu-238	3.91E-03
Pu-239	1.67E-01
Pu-240	3.73E-02
Pu-241	2.50E-01
Pu-242	2.25E-06
Sr-90	1.48E-04
Th-229	1.51E-15
Th-230	1.98E-08
Th-232	1.45E-17
U-233	2.66E-12
U-234	9.58E-05
U-235	5.84E-06
U-236	2.55E-08
U-238	6.69E-05

Haz. Waste No(s).

D006, D007, D008, D011, D035

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLHMOX.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5120	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RLHMOX.001	182.4
55-gal POC - 12" w/o Liner	WP-RLHMOX.001	11.2
Shipped Total		193.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	17.08
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.59E+01
Am-243	2.22E-06
Cs-137	3.27E-06
Np-237	2.12E-03
Pu-238	8.75E+00
Pu-239	4.00E+01
Pu-240	2.03E+01
Pu-241	3.22E+02
Pu-242	1.01E-02
Sr-90	2.94E-06
Th-229	3.84E-12
Th-230	1.05E-07
Th-232	1.34E-16
U-233	2.74E-08
U-234	3.94E-03
U-235	2.50E-04
U-236	1.81E-06
U-238	3.06E-03

Haz. Waste No(s).

D005, D006, D007, D008, D011

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLIAEA-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Source Unknown	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	International Atomic Energy Agency TRU Mixed Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	552.00
Aluminum-based Metals/Alloys	87.00
Other Metals	0.00
Other Inorganic Materials	43.00
Cellulosics	105.00
Rubber	45.00
Plastics	107.00
Cements	0.00
Inorganic Matrix	15.00
Organic Matrix	0.00
Soils/gravel	18.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.02E-02
Cs-137	3.01E-04
Np-237	1.49E-07
Pu-238	5.19E-03
Pu-239	2.22E-01
Pu-240	4.95E-02
Pu-241	3.31E-01
Pu-242	2.99E-06
Sr-90	2.70E-04
Th-229	3.28E-15
Th-230	2.94E-11
Th-232	1.45E-17
U-233	5.69E-12
U-234	3.19E-07
U-235	4.37E-09
U-236	2.94E-08
U-238	9.02E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLM308D.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	WP-RLM308D.001	4.0
55-gal POC - 12" w/ Liner	WP-RLM308D.001	24.8
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-RLM308D.001	33.5
Shipped Total		62.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	43.43
Aluminum-based Metals/Alloys	0.14
Other Metals	7.80
Other Inorganic Materials	7.09
Cellulosics	6.31
Rubber	2.49
Plastics	15.49
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.03E+01
Am-243	1.74E-05
Cs-137	6.49E-05
Np-237	3.14E-04
Pu-238	8.97E+00
Pu-239	1.48E+01
Pu-240	9.49E+00
Pu-241	1.86E+02
Pu-242	9.25E-03
Sr-90	5.88E-05
Th-229	3.70E-09
Th-230	1.21E-08
Th-232	1.43E-06
U-233	1.97E-05
U-234	6.96E-04
U-235	2.30E-05
U-236	5.63E-07
U-238	3.65E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, F001, F002, F003

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLMHASH.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RLMHASH.001	61.6
55-gal POC - 12" w/o Liner	WP-RLMHASH.001	0.2
Shipped Total		61.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	16.75
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.21E+01
Cs-137	6.07E-08
Np-237	1.97E-05
Pu-238	1.25E+00
Pu-239	3.93E+01
Pu-240	9.73E+00
Pu-241	5.68E+01
Pu-242	1.32E-03
Sr-90	2.87E-08
Th-229	1.31E-08
Th-230	4.09E-10
Th-232	1.78E-16
U-233	2.80E-05
U-234	1.81E-05
U-235	2.04E-07
U-236	1.44E-06
U-238	9.93E-13

Haz. Waste No(s).

D005, D006, D007, D008, D011

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLMLB-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Lawrence Berkeley Nat Lab TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	552.00
Aluminum-based Metals/Alloys	87.00
Other Metals	0.00
Other Inorganic Materials	43.00
Cellulosics	105.00
Rubber	45.00
Plastics	107.00
Cements	0.00
Inorganic Matrix	15.00
Organic Matrix	0.00
Soils/gravel	18.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.87E-02
Cs-137	2.13E+00
Np-237	2.74E-07
Pu-238	1.35E-02
Pu-239	5.82E-01
Pu-240	1.30E-01
Pu-241	8.28E-01
Pu-242	7.85E-06
Sr-90	1.95E+00
Th-229	6.18E-15
Th-230	1.13E-10
Th-232	5.48E-17
U-233	1.04E-11
U-234	1.01E-06
U-235	1.38E-08
U-236	9.24E-08
U-238	2.84E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLMLL-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Lawrence Livermore TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	552.00
Aluminum-based Metals/Alloys	87.00
Other Metals	0.00
Other Inorganic Materials	43.00
Cellulosics	105.00
Rubber	45.00
Plastics	107.00
Cements	0.00
Inorganic Matrix	15.00
Organic Matrix	0.00
Soils/gravel	18.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.58E-01
Cs-137	1.08E-04
Np-237	1.07E-06
Pu-238	2.94E-02
Pu-239	1.36E+00
Pu-240	3.03E-01
Pu-241	1.25E+00
Pu-242	1.83E-05
Sr-90	9.84E-05
Th-229	4.78E-14
Th-230	2.96E-06
Th-232	2.42E-16
U-233	5.77E-11
U-234	9.97E-03
U-235	1.78E-05
U-236	2.97E-07
U-238	1.11E-03

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Absorbed combustible liquids such as oils have also been placed in some drums. Drums are also used for disposal of high-efficiency particulate air filters.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLMPDT.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RLMPDT.001	2.1
55-gal Drum Dir Ld w/o Liner	WP-RLMPDT.001	260.4
55-gal POC - 12" w/ Liner	WP-RLMPDT.001	32.9
SWB Dir Ld w/o Liner	WP-RLMPDT.001	168.2
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-RLMPDT.001	14.4
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-RLMPDT.001	761.6
Shipped Total		1239.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	40.33
Aluminum-based Metals/Alloys	0.15
Other Metals	2.13
Other Inorganic Materials	8.47
Cellulosics	10.54
Rubber	10.40
Plastics	20.36
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.03
Soils/gravel	0.31
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.07E+00
Am-243	7.22E-07
Cs-137	1.77E-05
Np-237	1.04E-05
Pu-238	6.41E-01
Pu-239	3.97E+00
Pu-240	1.29E+00
Pu-241	2.03E+01
Pu-242	2.69E-04
Sr-90	1.60E-05
Th-229	4.89E-09
Th-230	2.96E-10
Th-232	4.11E-10
U-233	2.61E-05
U-234	1.83E-05
U-235	4.83E-07
U-236	7.66E-08
U-238	3.51E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D030

TRUCON Code(s)

125/225, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLMPURX.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	WP-RLMPURX.001	29.7
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-RLMPURX.001	76.6
Shipped Total		106.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	42.01
Aluminum-based Metals/Alloys	0.20
Other Metals	1.03
Other Inorganic Materials	7.41
Cellulosics	6.40
Rubber	21.91
Plastics	20.79
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.10
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.17E+00
Am-243	1.09E-06
Cs-137	8.08E-05
Np-237	8.88E-06
Pu-238	1.40E+00
Pu-239	6.91E+00
Pu-240	2.80E+00
Pu-241	8.56E+01
Pu-242	7.33E-04
Sr-90	6.82E-05
Th-229	2.22E-08
Th-230	2.97E-10
Th-232	1.85E-17
U-233	7.91E-05
U-234	1.70E-05
U-235	1.81E-07
U-236	2.49E-07
U-238	2.46E-06

Haz. Waste No(s).

D005, D006, D008, D009, D011

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLMSSC.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RLMSSC.001	64.7
Shipped Total		64.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	49.32
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.00E+01
Np-237	1.40E-05
Pu-238	3.30E+00
Pu-239	4.31E+01
Pu-240	9.58E+00
Pu-241	1.74E+02
Pu-242	1.12E-03
Th-229	1.83E-14
Th-230	7.96E-10
Th-232	1.12E-16
U-233	1.32E-10
U-234	4.11E-05
U-235	2.70E-07
U-236	1.14E-06
U-238	6.08E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLNPDT.002-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-RLNPDT.002	62.4
55-gal Drum Dir Ld w/o Liner	WP-RLNPDT.002	267.9
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-RLNPDT.002	4.8
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-RLNPDT.002	110.2
Shipped Total		445.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	54.38
Aluminum-based Metals/Alloys	0.91
Other Metals	0.78
Other Inorganic Materials	24.75
Cellulosics	18.89
Rubber	8.30
Plastics	42.29
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.05
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.34E+00
Am-243	7.83E-06
Cs-137	3.23E-06
Np-237	5.99E-06
Pu-238	4.50E-01
Pu-239	4.52E+00
Pu-240	1.08E+00
Pu-241	1.65E+01
Pu-242	1.88E-04
Sr-90	2.22E-06
Th-229	2.29E-14
Th-230	5.90E-10
Th-232	1.40E-10
U-233	1.05E-10
U-234	1.64E-05
U-235	3.76E-07
U-236	1.60E-07
U-238	9.76E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLNPURX.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	WP-RLNPURX.001	34.3
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-RLNPURX.001	4.8
Shipped Total		39.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	52.15
Aluminum-based Metals/Alloys	1.02
Other Metals	0.99
Other Inorganic Materials	18.19
Cellulosics	5.87
Rubber	8.82
Plastics	25.11
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.74E+00
Am-243	1.06E-06
Cs-137	5.05E-05
Np-237	5.41E-06
Pu-238	2.56E+00
Pu-239	1.05E+01
Pu-240	4.10E+00
Pu-241	1.70E+02
Pu-242	1.28E-03
Sr-90	3.23E-05
Th-229	5.33E-15
Th-230	5.33E-10
Th-232	4.80E-17
U-233	4.37E-11
U-234	2.95E-05
U-235	4.15E-08
U-236	4.86E-07
U-238	7.75E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLPFP-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	2345Z TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1294.4	0.0	1294.4
85-gal Drum Dir Ld w/ Liner	571.9	0.0	571.9
Box - Misc	6744.5	0.0	6744.5
SWB Dir Ld w/ Liner	56.7	0.0	56.7
Uncontained	267.9	0.0	267.9
Uncontained	3128.6	0.0	3128.6
Current Form Total	12063.9	0.0	12063.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5111.8	0.0	5111.8
SWB Dir Ld w/ Liner	2345.5	0.0	2345.5
Final Form Total	7457.3	0.0	7457.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	609.42
Aluminum-based Metals/Alloys	125.12
Other Metals	3.85
Other Inorganic Materials	39.77
Cellulosics	54.37
Rubber	20.97
Plastics	61.89
Cements	0.01
Inorganic Matrix	9.27
Organic Matrix	0.02
Soils/gravel	8.42
Vitrified	0.00
Packaging Material, Steel	137.94
Packaging Material, Plastic	25.74
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.22E-02
Cs-137	5.80E-03
Pu-238	1.52E+01
Pu-239	2.65E+00
Pu-240	5.95E-01
Pu-241	1.19E+01
Pu-242	4.14E-05
Sr-90	5.41E-03
Th-232	9.70E-09
U-233	6.49E-05
U-234	1.32E-04
U-235	2.95E-06
U-236	3.17E-10
U-238	5.47E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D030, D043, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.
The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***
NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLPFP-03

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	2345Z TRU Mixed Solid Inorganic			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.6	0.0	5.6
Current Form Total	5.6	0.0	5.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	6.9	0.0	6.9
Final Form Total	6.9	0.0	6.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.03
Aluminum-based Metals/Alloys	0.00
Other Metals	4.66
Other Inorganic Materials	3.55
Cellulosics	1.30
Rubber	0.26
Plastics	14.96
Cements	0.00
Inorganic Matrix	39.40
Organic Matrix	1.69
Soils/gravel	0.15
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.29E+00
Cs-137	2.25E-04
Np-237	4.02E-06
Pu-238	8.86E-01
Pu-239	2.65E+01
Pu-240	6.15E+00
Pu-241	5.93E+01
Pu-242	6.15E-04
Sr-90	2.06E-04
Th-229	1.09E-15
Th-230	9.47E-11
Th-232	2.91E-17
U-233	1.75E-11
U-234	7.79E-06
U-235	9.95E-07
U-236	4.77E-07
U-238	7.77E-09

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019

TRUCON Code(s)

122/222

Waste Stream Description

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLPFP-04

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3200	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	2345Z TRU Mixed Solid Organic					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	14.4	0.0	14.4
85-gal Drum Dir Ld w/ Liner	0.3	0.0	0.3
Current Form Total	14.7	0.0	14.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	17.7	0.0	17.7
Final Form Total	17.7	0.0	17.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.96
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	50.10
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	124.82
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.10E-03
Pu-238	3.56E-04
Pu-239	1.34E-02
Pu-240	2.99E-03
Pu-241	4.42E-02
Pu-242	1.80E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D030, D032, D033

TRUCON Code(s)

112/212

Waste Stream Description

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.; and THE STREAM CONTAINS PLASTIC/POLYURETHANE, ORGANICS, CLOTH/RAGS/NYLON, RUBBER, METAL/IRON/GALVANIZED/SHEET.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLPFP-05

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	2345Z TRU Nonmixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	13.3	0.0	13.3
85-gal Drum Dir Ld w/ Liner	3.2	0.0	3.2
Current Form Total	16.5	0.0	16.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	18.7	0.0	18.7
Final Form Total	18.7	0.0	18.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.05
Aluminum-based Metals/Alloys	0.00
Other Metals	120.87
Other Inorganic Materials	0.87
Cellulosics	2.92
Rubber	1.17
Plastics	10.61
Cements	0.00
Inorganic Matrix	13.15
Organic Matrix	0.00
Soils/gravel	1.79
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.01E+00
Cs-137	1.92E-06
Pu-238	1.86E+00
Pu-239	2.02E+00
Pu-240	1.01E+00
Pu-241	1.36E+02
Pu-242	6.45E-04
Sr-90	1.74E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D030

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLPRC-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CUPRC TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
SWB Dir Ld w/ Liner	1.9	0.0	1.9
Current Form Total	2.1	0.0	2.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
SWB Dir Ld w/ Liner	3.8	0.0	3.8
Final Form Total	4.2	0.0	4.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	48.48
Other Inorganic Materials	690.56
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	185.92
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	151.25
Packaging Material, Plastic	4.75
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	2.77E-02
Sr-90	2.47E-02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from R&D/R&D Laboratory Waste activities at the CEER University Laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLPURX-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	202A TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	189.7	0.0	189.7
85-gal Drum Dir Ld w/ Liner	12.9	0.0	12.9
Box - Misc	176.2	0.0	176.2
Current Form Total	378.7	0.0	378.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	240.7	0.0	240.7
SWB Dir Ld w/ Liner	236.3	0.0	236.3
Final Form Total	476.9	0.0	476.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	50.95
Aluminum-based Metals/Alloys	0.01
Other Metals	55.99
Other Inorganic Materials	13.15
Cellulosics	6.34
Rubber	25.36
Plastics	49.81
Cements	0.00
Inorganic Matrix	5.04
Organic Matrix	0.00
Soils/gravel	2.85
Vitrified	0.00
Packaging Material, Steel	142.05
Packaging Material, Plastic	19.27
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.33E-01
Cs-137	1.19E-04
Pu-238	8.65E-02
Pu-239	9.73E-01
Pu-240	2.71E-01
Pu-241	8.65E+00
Pu-242	5.02E-05
Sr-90	1.09E-04

Haz. Waste No(s).

D005, D006, D008, D009, D011, F003

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from Analytical Laboratory Waste activities at the PUREX PROCESS LABORATORY.; The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLPURX-05

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	202A TRU Nonmixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	528.7	0.0	528.7
SWB Dir Ld w/ Liner	251.4	0.0	251.4
Current Form Total	780.1	0.0	780.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	528.7	0.0	528.7
SWB Dir Ld w/ Liner	251.4	0.0	251.4
Final Form Total	780.1	0.0	780.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	593.96
Aluminum-based Metals/Alloys	111.93
Other Metals	0.16
Other Inorganic Materials	41.67
Cellulosics	74.02
Rubber	30.11
Plastics	79.59
Cements	0.00
Inorganic Matrix	11.41
Organic Matrix	0.00
Soils/gravel	11.99
Vitrified	0.00
Packaging Material, Steel	138.11
Packaging Material, Plastic	25.46
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.68E-01
Cs-137	1.96E-02
Np-237	1.39E-06
Pu-238	3.27E-02
Pu-239	1.13E+00
Pu-240	2.53E-01
Pu-241	2.97E+00
Pu-242	1.52E-05
Sr-90	1.80E-02
Th-229	3.47E-14
Th-230	2.27E-10
Th-232	8.97E-17
U-233	5.61E-11
U-234	2.23E-06
U-235	2.45E-08
U-236	1.65E-07
U-238	1.43E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

The waste is generated from Analytical Laboratory Waste activities at the PUREX PROCESS LABORATORY.; The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLPURX-07

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	202A TRU RH Nonmixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.5	0.0	0.5
55-gal Drum Dir Ld w/ Liner	20.4	0.0	20.4
Box - Misc	2.4	0.0	2.4
Current Form Total	23.2	0.0	23.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	113.0	0.0	113.0
Final Form Total	113.0	0.0	113.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	725.80
Aluminum-based Metals/Alloys	143.30
Other Metals	0.00
Other Inorganic Materials	48.50
Cellulosics	76.30
Rubber	30.90
Plastics	84.50
Cements	0.00
Inorganic Matrix	12.50
Organic Matrix	0.00
Soils/gravel	12.20
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.65E-03
Cs-137	7.34E-02
Np-237	4.28E-08
Pu-238	1.65E-03
Pu-239	1.35E-02
Pu-240	6.71E-03
Pu-241	8.27E-02
Pu-242	1.98E-07
Sr-90	6.68E-02
Th-229	1.34E-15
Th-230	1.92E-11
Th-232	3.86E-18
U-233	1.92E-12
U-234	1.47E-07
U-235	3.73E-10
U-236	5.58E-09
U-238	8.36E-16

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing and fixture and soil. Boxes typically contain whole and sectioned glove boxes, hoods, ducting, conduit, lathes, pumps, piping, fans, light fixture, instrumentation, tools, conveyor sections, wire, etc. The combustible materials in boxes may include cotton rags and clothing, plastic sheeting, plastic pipe, tape, ladders, plexiglass, step benches, polyethylene bottles, gloves and rubber. Absorbed combustible liquids such as oils have also been placed in some drums and boxes. Drums and boxes are also used for disposal of high-efficiency particulate air filters. Several boxes contain only high-efficiency particulate air filters, while others contain these filters and other waste forms.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLRFETS.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	WP-RLRFETS.001	63.4
Shipped Total		63.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	17.90
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.55E+00
Cs-137	3.07E-07
Np-237	1.33E-05
Pu-238	1.27E+00
Pu-239	5.98E+01
Pu-240	9.92E+00
Pu-241	8.24E+01
Pu-242	1.02E-03
Sr-90	3.14E-08
Th-229	5.55E-08
Th-230	3.93E-09
Th-232	1.82E-16
U-233	1.18E-04
U-234	9.65E-05
U-235	3.04E-06
U-236	1.47E-06
U-238	7.73E-13

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLSWO-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SWOC TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	15.6	0.0	15.6
85-gal Drum Dir Ld w/ Liner	2.9	0.0	2.9
Uncontained	17.1	0.0	17.1
Uncontained	19.7	0.0	19.7
Current Form Total	55.3	0.0	55.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	40.8	0.0	40.8
SWB Dir Ld w/ Liner	17.0	0.0	17.0
Final Form Total	57.8	0.0	57.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.38
Aluminum-based Metals/Alloys	1.45
Other Metals	59.32
Other Inorganic Materials	82.57
Cellulosics	35.78
Rubber	58.80
Plastics	31.29
Cements	0.00
Inorganic Matrix	0.77
Organic Matrix	0.01
Soils/gravel	143.28
Vitrified	0.00
Packaging Material, Steel	137.48
Packaging Material, Plastic	26.46
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.90E-01
Cs-137	1.20E-03
Pu-238	1.82E-01
Pu-239	1.36E+00
Pu-240	3.69E-01
Pu-241	9.02E+00
Pu-242	7.17E-05
Sr-90	3.41E-04
U-235	1.32E-09

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D030, D035, F001, F002, F003

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of the drum waste is combustible items such as wood, plastics, paper, absorbents, rubber and rags. Approximately 20 to 30% of the waste in drums is noncombustible waste, such as machinery, tools, glass, concrete, plumbing, fixtures.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLSWO-08

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	SWOC TRU RH Mixed Debris			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	28.6	0.0	28.6
Current Form Total	28.6	0.0	28.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	121.0	0.0	121.0
Final Form Total	121.0	0.0	121.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	143.57
Other Inorganic Materials	1.19
Cellulosics	9.52
Rubber	0.00
Plastics	17.14
Cements	0.00
Inorganic Matrix	1.19
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.01E-01
Np-237	1.50E-07
Pu-238	2.27E-02
Pu-239	9.01E-01
Pu-240	2.02E-01
Pu-241	2.13E+00
Pu-242	1.21E-05
Th-229	2.37E-16
Th-230	7.44E-12
Th-232	3.69E-18
U-233	1.55E-12
U-234	3.29E-07
U-235	4.44E-09
U-236	2.99E-08
U-238	9.17E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Typically, 70 to 80% of the drum waste is combustible items such as wood, plastics, paper, absorbents, rubber and rags. Approximately 20 to 30% of the waste in drums is noncombustible waste, such as machinery, tools, glass, concrete, plumbing, fixtures.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLVIPAC.001-S

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB Dir Ld w/o Liner	WP-RLVIPAC.001	28.4
Shipped Total		28.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.15
Aluminum-based Metals/Alloys	1.68
Other Metals	1.31
Other Inorganic Materials	5.22
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.30E+00
Cs-137	1.29E-05
Np-237	1.95E-05
Pu-238	1.00E+00
Pu-239	6.30E+00
Pu-240	1.87E+00
Pu-241	1.01E+01
Pu-242	5.57E-04
Sr-90	1.18E-05
U-234	3.39E-03
U-235	8.88E-05
U-238	1.70E-03

Haz. Waste No(s).

D005, D006, D007, D008, D011

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLWAR-01

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Ward TRU Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	96.7	0.0	96.7
85-gal Drum Dir Ld w/ Liner	30.3	0.0	30.3
Box - Misc	228.0	0.0	228.0
Current Form Total	355.0	0.0	355.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	140.8	0.0	140.8
SWB Dir Ld w/ Liner	306.2	0.0	306.2
Final Form Total	447.0	0.0	447.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	678.47
Aluminum-based Metals/Alloys	153.95
Other Metals	0.00
Other Inorganic Materials	40.06
Cellulosics	28.48
Rubber	8.44
Plastics	39.31
Cements	0.00
Inorganic Matrix	6.33
Organic Matrix	0.00
Soils/gravel	3.28
Vitrified	0.00
Packaging Material, Steel	146.35
Packaging Material, Plastic	12.48
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	1.80E-03
Pu-238	7.57E-03
Pu-239	2.70E-01
Pu-240	6.03E-02
Pu-241	1.22E+00
Pu-242	3.64E-06
Sr-90	1.68E-03
Th-232	1.37E-07
U-234	1.26E-04
U-235	7.46E-06
U-238	1.75E-05

Haz. Waste No(s).

D007, D008, D009, D035, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

Typically, 70 to 80% of waste in drums is combustible items such as wood, plastics, paper, absorbents, rubber, rags. Approximately 20 to 30 % of waste in drums is noncombustible waste, such as failed machinery, tools, glass, concrete, plumbing, fixtures

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLWTP-08

Appendix A

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Waste Treatment Plant TRU RH Mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	30.5	0.0	30.5
Current Form Total	30.5	0.0	30.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.0	129.1	129.1
Final Form Total	0.0	129.1	129.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	315.47
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	83.65
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.98E+00
Am-243	9.62E-04
Cs-137	3.54E+03
Np-237	5.31E-03
Pu-238	3.43E-01
Pu-239	5.47E+00
Pu-240	9.34E-01
Pu-241	9.46E+00
Pu-242	6.39E-05
Sr-90	2.50E+03
U-233	3.96E-02
U-234	2.59E-02
U-235	1.11E-03
U-236	4.15E-04
U-238	2.47E-02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

RH debris waste generated from future WTP operations

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SA-T001

Appendix A

TRU Waste Inventory Profile Report

Site	Sandia National Laboratory - Albuquerque	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related	**Handling**	CH
Stream Name	CH Lovelace ITRI Debris Waste Stream			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.4	0.0	5.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.0	0.0	1.0
Current Form Total	6.4	0.0	6.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.4	0.0	5.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.0	0.0	1.0
Final Form Total	6.4	0.0	6.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	100.00
Aluminum-based Metals/Alloys	3.00
Other Metals	6.00
Other Inorganic Materials	15.00
Cellulosics	3.00
Rubber	5.00
Plastics	5.00
Cements	0.00
Inorganic Matrix	40.00
Organic Matrix	5.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	141.04
Packaging Material, Plastic	35.01
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.67E-01
Cm-244	7.58E-01
Np-237	3.56E-06
Pu-238	3.55E-02
Pu-239	5.60E-01
Pu-240	1.22E-03
Th-229	9.94E-14
Th-230	6.94E-11
Th-232	7.30E-04
U-233	1.75E-10
U-234	1.27E-06
U-235	6.62E-09
U-236	2.34E-10

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Heterogeneous CH debris laboratory waste from Pu aerosol preparation experiments

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SA-W134

Appendix A

TRU Waste Inventory Profile Report

Site	Sandia National Laboratory - Albuquerque	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	CH Transuranic Debris Waste from Hot Cell Facility			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
10-gal Drum	0.1	0.0	0.1
14-gal Drum	0.1	0.0	0.1
20-gal Drum	0.1	0.0	0.1
2-gal Can Stainless Steel	0.0	0.0	0.0
30-gal Drum	0.5	0.0	0.5
55-gal Drum Dir Ld w/o Liner	3.7	0.0	3.7
5-gal Drum	0.1	0.0	0.1
85-gal Drum w/ 1 - 55-gal Drum w/o Liner	0.3	0.0	0.3
Box - 7' x 4' x 4'	12.7	0.0	12.7
Current Form Total	17.5	0.0	17.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	16.0	0.0	16.0
Final Form Total	16.0	0.0	16.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	80.00
Aluminum-based Metals/Alloys	5.00
Other Metals	10.00
Other Inorganic Materials	1.00
Cellulosics	2.00
Rubber	2.00
Plastics	5.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.49E-01
Am-243	7.63E-04
Cm-244	9.92E-05
Cs-137	3.92E+00
Np-237	7.77E-03
Pu-238	8.17E-02
Pu-239	8.64E-02
Pu-240	2.74E-02
Pu-241	3.06E-01
Pu-242	7.55E-09
Sr-90	3.70E+00
Th-229	1.11E-07
Th-230	8.42E-07
Th-232	1.62E-18
U-233	1.31E-04
U-234	1.04E-02
U-235	6.78E-04
U-236	7.31E-09
U-238	4.97E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Heterogeneous CH Debris from SNL/NM Hot Cell Facility D&D project and other miscellaneous waste generators.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SA-W134M

Appendix A

TRU Waste Inventory Profile Report

Site	Sandia National Laboratory - Albuquerque	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Mixed-TRU Debris Waste from SNL/NM - Contact Handled			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	2.1	0.0	2.1
Current Form Total	2.1	0.0	2.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	2.1	0.0	2.1
Final Form Total	2.1	0.0	2.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	80.00
Aluminum-based Metals/Alloys	5.00
Other Metals	10.00
Other Inorganic Materials	1.00
Cellulosics	2.00
Rubber	2.00
Plastics	5.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.49E-01
Am-243	7.63E-04
Cm-244	9.92E-05
Cs-137	3.92E+00
Np-237	7.77E-03
Pu-238	8.17E-02
Pu-239	8.64E-02
Pu-240	2.74E-02
Pu-241	3.06E-01
Pu-242	7.55E-09
Sr-90	3.70E+00
Th-229	1.11E-07
Th-230	8.42E-07
Th-232	1.62E-18
U-233	1.31E-04
U-234	1.04E-02
U-235	6.78E-04
U-236	7.31E-09
U-238	4.97E-04

Haz. Waste No(s).

D006, D009, D011

TRUCON Code(s)

125/225

Waste Stream Description

Heterogeneous CH mixed debris from SNL/NM Hot Cell Facility D&D project and other Miscellaneous waste generators.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SA-W135

Appendix A

TRU Waste Inventory Profile Report

Site	Sandia National Laboratory - Albuquerque	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	RH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	TRU Waste from SNL/NM - Remote Handled			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.4	0.0	0.4
Cask - Lead Lined	3.9	0.0	3.9
Lead Pig	0.1	0.0	0.1
Current Form Total	4.4	0.0	4.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	19.6	0.0	19.6
Final Form Total	19.6	0.0	19.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	80.00
Aluminum-based Metals/Alloys	5.00
Other Metals	10.00
Other Inorganic Materials	1.00
Cellulosics	2.00
Rubber	2.00
Plastics	5.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.63E+00
Cm-244	7.79E-02
Cs-137	9.75E+01
Np-237	2.04E-04
Pu-238	8.94E-01
Pu-239	6.20E-01
Pu-240	9.30E-02
Pu-241	4.47E-03
Sr-90	9.69E+01
Th-229	3.26E-12
Th-230	1.30E-07
Th-232	5.52E-18
U-233	7.72E-09
U-234	1.62E-03
U-235	1.20E-04
U-236	2.48E-08
U-238	4.00E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Heterogeneous RH debris from SNL/NM Hot Cell Facility D&D Project and other miscellaneous waste generators.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SA-W136

Appendix A

TRU Waste Inventory Profile Report

Site	Sandia National Laboratory - Albuquerque	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5110	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH TRU Debris waste from Z-machine					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.6	4.4	5.0
Current Form Total	0.6	4.4	5.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.6	4.4	5.0
Final Form Total	0.6	4.4	5.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1830.00
Aluminum-based Metals/Alloys	0.00
Other Metals	45.00
Other Inorganic Materials	0.44
Cellulosics	0.00
Rubber	2.05
Plastics	1.57
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	2.55
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.57E-04
Pu-238	3.38E-02
Pu-239	5.71E-01
Pu-240	1.31E-01
Pu-241	1.11E+00
Pu-242	1.52E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

CH debris waste from the Z-machine, Pu ICE experiments. Waste generated at SNL/NM, but is LANL waste

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **SR2001.001.00-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-SR2001.001.00	61.2
Shipped Total		61.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	11.89
Aluminum-based Metals/Alloys	0.00
Other Metals	0.29
Other Inorganic Materials	8.37
Cellulosics	7.74
Rubber	1.00
Plastics	86.03
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.21E-02
Cs-137	8.38E-08
Np-237	1.63E-08
Pu-238	1.77E-02
Pu-239	1.58E-01
Pu-240	3.14E-02
Pu-241	4.66E-01
Pu-242	3.16E-06
Th-229	2.44E-17
Th-230	5.79E-12
Th-232	5.75E-19
U-233	1.62E-13
U-234	2.56E-07
U-235	7.79E-10
U-236	4.66E-09
U-238	2.39E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **SR2002.002.00-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-SR2002.002.00	69.9
Shipped Total		69.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.65
Aluminum-based Metals/Alloys	0.40
Other Metals	0.32
Other Inorganic Materials	6.82
Cellulosics	6.82
Rubber	1.36
Plastics	81.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.76E-02
Cs-137	2.51E-07
Np-237	5.76E-08
Pu-238	6.72E-03
Pu-239	1.62E-01
Pu-240	3.75E-02
Pu-241	9.72E-01
Pu-242	5.11E-06
Sr-90	2.12E-08
Th-229	4.75E-07
Th-230	1.40E-12
Th-232	4.40E-19
U-233	1.27E-03
U-234	7.75E-08
U-235	6.41E-10
U-236	4.45E-09
U-238	3.09E-15

Haz. Waste No(s).

D008, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLCH-MT01

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	JN-4 D&D Debris Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	11.3	0.0	11.3
Current Form Total	11.3	0.0	11.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	11.3	0.0	11.3
Final Form Total	11.3	0.0	11.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	60.00
Aluminum-based Metals/Alloys	60.00
Other Metals	60.00
Other Inorganic Materials	72.00
Cellulosics	204.50
Rubber	122.41
Plastics	240.60
Cements	62.41
Inorganic Matrix	0.00
Organic Matrix	36.05
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.54E+00
Np-237	1.36E-06
Pu-238	3.32E+02
Pu-239	5.49E+00
Pu-240	1.44E+00
Pu-241	5.95E+01
Pu-242	2.34E-04
Th-229	7.87E-16
Th-230	3.87E-08
Th-232	9.49E-18
U-233	8.56E-12
U-234	2.86E-03
U-235	1.62E-08
U-236	1.28E-07
U-238	1.06E-13

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, F001, F002, F005

No TRUCON Codes Provided

Waste Stream Description

JN-1 D&D Debris Waste consists of heterogeneous debris waste generated by the activities conducted in Building JN-1. The waste includes paper, plastic, rubber, paint chips, crushed metal cans, prefilters, glass, concrete, grout, lead shot, and miscellaneous laboratory equipment

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-MT01

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390	**Handling**	RH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Hazardous organic debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	28.60
Aluminum-based Metals/Alloys	8.40
Other Metals	101.00
Other Inorganic Materials	10.10
Cellulosics	204.00
Rubber	27.00
Plastics	101.00
Cements	18.50
Inorganic Matrix	0.00
Organic Matrix	1.70
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.06E+00
Am-243	2.15E-02
Cm-244	2.06E+00
Cs-137	5.34E+01
Np-237	2.62E-04
Pu-238	2.70E+00
Pu-239	3.55E-01
Pu-240	5.78E-01
Pu-241	4.03E+01
Pu-242	1.73E-03
Sr-90	3.50E+01
Th-229	9.14E-12
Th-230	2.70E-08
Th-232	2.83E-14
U-233	3.42E-08
U-234	1.01E-03
U-235	1.44E-05
U-236	1.91E-04
U-238	2.80E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Hazardous organic debris consists of the materials generated during repackaging of the waste materials generated from research and development activities conducted in Building JN-1. This waste consists primarily of iron based metals, paper, plastic, cloth, aluminum, cellulosics, rubber, and lead items (bricks, shot, apron, and gloves).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T001

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3211
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Pool Water Filter Resin			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.60
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	5.60
Cellulosics	6.70
Rubber	5.60
Plastics	6.70
Cements	33.70
Inorganic Matrix	0.00
Organic Matrix	129.20
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.13E-02
Am-243	1.49E-04
Cm-244	1.43E-02
Cs-137	3.70E-01
Np-237	1.81E-06
Pu-238	1.88E-02
Pu-239	2.46E-03
Pu-240	4.01E-03
Pu-241	2.80E-01
Pu-242	1.20E-05
Sr-90	2.42E-01
Th-229	6.32E-14
Th-230	1.88E-10
Th-232	1.97E-16
U-233	2.37E-10
U-234	7.03E-06
U-235	1.00E-07
U-236	1.33E-06
U-238	1.94E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

326

Waste Stream Description

Pool Water Filter Resin consists of ion-exchange resin (nuclear grade), which was used for deionizing the Transfer/Storage Pool water. The CM-2 Regenerated Mixed Bed Resin used was contained in muslin bags (cotton bags). The matrix will also include Floor Dry (diatomaceous earth) used as an absorbent during the original packaging of this waste and 10 lbs. of absorbent (50:50 Floor Dry and Radsorb) added during repackaging to absorb any water from condensation or dewatering

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T002

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Pool Water Prefilters and Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.2	0.0	1.2
Current Form Total	1.2	0.0	1.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	1.8	0.0	1.8
Final Form Total	1.8	0.0	1.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.40
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	379.30
Cellulosics	8.40
Rubber	8.40
Plastics	8.40
Cements	25.30
Inorganic Matrix	0.00
Organic Matrix	18.50
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.31E-01
Cm-244	2.48E-01
Cs-137	4.37E-01
Np-237	5.17E-07
Pu-238	6.08E-01
Pu-239	6.58E-02
Pu-240	1.07E-01
Sr-90	1.76E+01
Th-229	2.54E-12
Th-230	7.95E-09
Th-232	8.54E-15
U-233	9.04E-09
U-234	2.97E-04
U-235	4.38E-06
U-236	5.76E-05
U-238	8.34E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Pool Water Prefilters and Debris consists of the cartridge prefilters and debris generated during the change-out of resin used for filtering the Transfer/Storage Pool water. The filter matrix is composed of glass and cellulose fibers combined with melamine resin. The end caps are polypropylene and the filters are placed in the canisters with rubber gaskets (butyl/nitrile). Other debris that may be present from the original packaging may include paper (blotter paper and Floor Dry bags), plastic liners, rubber gaskets, muslin resin bags, rubber gloves, and other miscellaneous plastic, cellulosics, and metal materials. The waste matrix will also include Floor Dry and Radsorb added during repackaging to absorb any water from condensation or dewatering.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T003

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Organic Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.3	0.0	8.3
Current Form Total	8.3	0.0	8.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	12.5	0.0	12.5
Final Form Total	12.5	0.0	12.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.00
Aluminum-based Metals/Alloys	8.00
Other Metals	1.60
Other Inorganic Materials	9.60
Cellulosics	31.90
Rubber	23.90
Plastics	95.60
Cements	17.60
Inorganic Matrix	0.00
Organic Matrix	1.60
Soils/gravel	1.60
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.53E-01
Am-243	1.07E-03
Cm-244	1.02E-01
Cs-137	2.66E+00
Np-237	1.30E-05
Pu-238	1.34E-01
Pu-239	1.77E-02
Pu-240	2.88E-02
Pu-241	2.01E+00
Pu-242	8.63E-05
Sr-90	1.74E+00
Th-229	4.54E-13
Th-230	1.34E-09
Th-232	1.42E-15
U-233	1.70E-09
U-234	5.04E-05
U-235	7.17E-07
U-236	9.56E-06
U-238	1.39E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Organic Debris consists of the materials generated during repackaging of the waste materials generated from research and development activities conducted in Building JN-1. This waste consists primarily of rubber debris material including polyethylene, polyvinyl chloride, nylon, Styrofoam, Tygon, plexiglass, and neoprene. Wood debris with no signs of hazardous waste contamination may also be included. Waste items may include non-deteriorated sheeting, hose/tubing, respirators, boots, rain suits, o-rings, electrical cords, safety glasses, plexiglass panels, plywood, and pallets. The waste matrix will also include Floor Dry and Radsorb added during repackaging to absorb any water from condensation or dewatering

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T004

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5129
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Inorganic Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.1	0.0	8.1
Current Form Total	8.1	0.0	8.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	11.6	0.0	11.6
Final Form Total	11.6	0.0	11.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	267.10
Aluminum-based Metals/Alloys	121.60
Other Metals	1.60
Other Inorganic Materials	113.20
Cellulosics	17.80
Rubber	3.20
Plastics	97.00
Cements	17.80
Inorganic Matrix	0.00
Organic Matrix	1.60
Soils/gravel	40.40
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.91E+00
Am-243	3.44E-02
Cm-244	3.30E+00
Cs-137	8.55E+01
Np-237	4.20E-04
Pu-238	4.33E+00
Pu-239	5.69E-01
Pu-240	9.31E-01
Pu-241	6.47E+01
Pu-242	2.78E-03
Sr-90	5.61E+01
Th-229	1.47E-11
Th-230	4.31E-08
Th-232	4.55E-14
U-233	5.49E-08
U-234	1.62E-03
U-235	2.32E-05
U-236	3.07E-04
U-238	4.50E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Inorganic Debris consists of glass and metal debris generated during repackaging of the waste materials generated from research and development activities conducted in Building JN-1. Glass debris includes laboratory glassware, windows, and various glass apparatus. Metal debris may include deteriorated berry cans, cable wire, planchets, sign, valves, piping, strapping, tools, foil, sheeting, fixtures, equipment, hardware, fuel rod cladding, and Metmounts (sectioned metal material embedded in a plastic matrix). Metals of construction include stainless steel, aluminum, iron, copper, beryllium, and zirconium alloy (Zr-2, Zr-4). The waste matrix will also include Floor Dry and Radsorb added during repackaging to absorb any water from condensation or dewatering.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T005

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Tri-Nuc Filters			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	61.70
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	22.50
Cellulosics	5.60
Rubber	0.00
Plastics	39.30
Cements	72.00
Inorganic Matrix	0.00
Organic Matrix	12.40
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.37E+00
Am-243	3.05E-02
Cm-244	2.93E+00
Cs-137	7.59E+01
Np-237	3.72E-04
Pu-238	3.85E+00
Pu-239	5.05E-01
Pu-240	8.24E-01
Pu-241	5.75E+01
Pu-242	2.47E-03
Sr-90	4.96E+01
Th-229	1.30E-11
Th-230	3.85E-08
Th-232	4.05E-14
U-233	4.86E-08
U-234	1.44E-03
U-235	2.06E-05
U-236	2.73E-04
U-238	4.00E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Tri-Nuc Filters consists of filter cartridges used in the underwater vacuum system for cleaning the surfaces and filtering the water of the Transfer/Storage Pool. The cartridges are 30" long and 6" in diameter and consist of media enclosed within a stainless steel screen shroud, and aluminum screen reinforced plastisol end caps. The filter media is composed of polypropylene, melt brown reinforced typar, and is available in 0.3, 1, 5, 10, and 20-micron mesh sizes. The waste matrix will also include Floor Dry (diatomaceous earth) and Radsorb (50:50 mix) added to each liner.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T006

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Slugs			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	3.40
Cements	16.80
Inorganic Matrix	0.00
Organic Matrix	154.50
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.02E+00
Am-243	7.17E-03
Cm-244	6.87E-01
Cs-137	1.78E+01
Np-237	8.75E-05
Pu-238	9.02E-01
Pu-239	1.19E-01
Pu-240	1.94E-01
Pu-241	1.35E+01
Pu-242	5.80E-04
Sr-90	1.17E+01
Th-229	3.06E-12
Th-230	9.01E-09
Th-232	9.48E-15
U-233	1.14E-08
U-234	3.38E-04
U-235	4.84E-06
U-236	6.40E-05
U-238	9.37E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

314

Waste Stream Description

Slugs were produced in Alpha-Gamma Cell 7 by dissolving irradiated (burnup) fuel in an acid solution, which was then diluted several times and mixed with cement and water and allowed to solidify in Styrofoam cups. The slugs will contain only limited amounts of dissolved fuel because of the dilution. The Styrofoam cups will be segregated from the slugs prior to final packaging. The waste matrix will also include Floor Dry and Radsorb added during repackaging to absorb any water from condensation or dewatering

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T007

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Laundry Sludge			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	59.00
Cellulosics	10.10
Rubber	0.00
Plastics	3.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	10.10
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.46E-03
Am-243	5.91E-05
Cm-244	5.69E-03
Cs-137	1.47E-01
Np-237	7.21E-07
Pu-238	7.44E-03
Pu-239	9.79E-04
Pu-240	1.60E-03
Pu-241	1.12E-01
Pu-242	4.77E-06
Sr-90	9.68E-02
Th-229	2.52E-14
Th-230	7.45E-11
Th-232	7.82E-17
U-233	9.42E-11
U-234	2.79E-06
U-235	4.00E-08
U-236	5.28E-07
U-238	7.74E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Laundry sludge consists of a particulate sludge (dirt, debris, and lint) generated when the laundry system still box requires cleaning. The box is heated to boil off the water contained in the particulate material. The resulting sludge is raked into plastic bags containing Radsorb (10%-20% by weight) to absorb any water from condensation or dewatering.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T008

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Laundry Sock Filters and Lint			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.70
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	39.30
Cellulosics	134.80
Rubber	0.00
Plastics	39.30
Cements	16.90
Inorganic Matrix	0.00
Organic Matrix	12.40
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.01E-01
Am-243	7.06E-04
Cm-244	6.79E-02
Cs-137	1.76E+00
Np-237	8.61E-06
Pu-238	8.90E-02
Pu-239	1.17E-02
Pu-240	1.91E-02
Pu-241	1.33E+00
Pu-242	5.70E-05
Sr-90	1.15E+00
Th-229	3.00E-13
Th-230	8.90E-10
Th-232	9.35E-16
U-233	1.12E-09
U-234	3.34E-05
U-235	4.77E-07
U-236	6.31E-06
U-238	9.25E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Laundry Sock Filters and Lint are generated during the operation of the BCLDP TRU waste laundry system in the JN-1 Pump Room. This stream includes Rosedale polypropylene high-efficiency liquid filter bags and cotton lint from laundered mop heads and rags. No RCRA waste was processed through the laundry

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T009

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Pressure Wash Filters			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.2	0.0	1.2
Current Form Total	1.2	0.0	1.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	1.8	0.0	1.8
Final Form Total	1.8	0.0	1.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	22.50
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	168.60
Cellulosics	42.10
Rubber	8.40
Plastics	15.50
Cements	35.10
Inorganic Matrix	0.00
Organic Matrix	91.20
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.40E-01
Am-243	2.38E-03
Cm-244	2.28E-01
Cs-137	5.94E+00
Np-237	2.90E-05
Pu-238	3.00E-01
Pu-239	3.94E-02
Pu-240	6.44E-02
Pu-241	4.47E+00
Pu-242	1.92E-04
Sr-90	3.88E+00
Th-229	1.02E-12
Th-230	3.00E-09
Th-232	3.16E-15
U-233	3.80E-09
U-234	1.13E-04
U-235	1.60E-06
U-236	2.13E-05
U-238	3.11E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Pressure Wash Filters used in the pressure wash water recovery system for filtering wash water transferred for evaporation. Three types of filter/cartridges were used. Cotton media filters consisting of cotton yarn and cotton media wound around a polypropylene core. Resin media type cartridges composed of glass and cellulose fibers combined with melamine resin, and a polypropylene sock filter consisting of polypropylene material supported by a carbon steel ring. Small quantities of sludge collected in the filter housings and settling tank bottoms are included in this waste stream. The waste matrix also includes Radsorb added to each liner.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T010

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Sabotage Pieces			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	129.20
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	14.60
Rubber	0.00
Plastics	14.60
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.58E+00
Am-243	7.83E-02
Cm-244	3.66E+00
Cs-137	7.50E+02
Np-237	5.03E-03
Pu-238	1.70E-02
Pu-239	1.44E-03
Pu-240	1.87E-02
Pu-241	1.71E-01
Pu-242	1.08E-05
Sr-90	4.05E+02
Th-229	1.46E-10
Th-230	1.65E-10
Th-232	1.75E-16
U-233	5.52E-07
U-234	6.19E-06
U-235	5.45E-08
U-236	1.18E-06
U-238	1.45E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Sabotage Pieces consist of materials generated during repackaging of waste generated during research and development activities conducted on sabotage testing of model casks using simulated vitrified high-level waste. This waste stream consists primarily of iron-based metals.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-BCLRH-T011

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3212
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	Hydraulic Room Sludge and Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
Current Form Total	2.3	0.0	2.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	3.6	0.0	3.6
Final Form Total	3.6	0.0	3.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	7.90
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	23.60
Cellulosics	40.80
Rubber	7.90
Plastics	40.80
Cements	283.00
Inorganic Matrix	0.00
Organic Matrix	141.30
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.33E-02
Cm-244	4.79E-03
Cs-137	1.50E-01
Np-237	1.30E-08
Pu-238	7.73E-03
Pu-239	2.98E-03
Pu-240	1.61E-06
Sr-90	8.10E-02
Th-229	7.98E-18
Th-230	1.54E-10
Th-232	3.64E-24
U-233	8.50E-14
U-234	5.75E-06
U-235	8.81E-12
U-236	7.30E-14

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, F002, F005

TRUCON Code(s)

321

Waste Stream Description

Hydraulic Room Sludge and Debris waste consists of rubble, sludge, and absorbent materials as well as the plastic bags that the waste is in. The hydraulic sludge was absorbed using a greater than 50% No Char and Radsorb polymers. Then the hydraulic sludge was packed in plastic bags with additional No Char, Radsob, and Floor Dry. Prior to packaging, 10 pounds of absorbent (50:50 Floor Dry and Radsorb) was added to the liner to absorb and water from condensation or dewatering

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-T001-221H-HEPA

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH HEPA filters			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - SRS Poly Box	22.0	0.0	22.0
Current Form Total	22.0	0.0	22.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/o Liner	62.4	0.0	62.4
Final Form Total	62.4	0.0	62.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4790.45
Aluminum-based Metals/Alloys	8463.14
Other Metals	0.00
Other Inorganic Materials	958.09
Cellulosics	0.00
Rubber	0.00
Plastics	1437.14
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.69E-03
Np-237	4.67E-06
Pu-238	5.12E+00
Pu-239	4.11E-03
Pu-240	2.41E-03
Pu-241	5.52E-02
Pu-242	2.50E-06
Th-229	2.97E-13
Th-230	2.85E-08
Th-232	4.55E-19
U-233	3.60E-10
U-234	3.19E-04
U-235	6.51E-11
U-236	1.15E-09
U-238	6.05E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219

Waste Stream Description

This waste stream is defense related, contact handled non-mixed TRU and is composed of HEPA filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-T003-773A-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	RH TRU Heterogeneous Debris from 773A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	15.0	15.6
Current Form Total	0.6	15.0	15.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Fxd Lid w/ 3 - 55-gal w/ Liner	0.9	21.4	22.3
Final Form Total	0.9	21.4	22.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	75.53
Aluminum-based Metals/Alloys	0.00
Other Metals	9.81
Other Inorganic Materials	19.06
Cellulosics	10.24
Rubber	0.00
Plastics	177.40
Cements	0.00
Inorganic Matrix	0.10
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	525.40
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	464.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-243	1.83E-03
Cs-137	2.07E+00
Pu-238	1.45E-01
Pu-239	8.40E-07
Sr-90	2.05E+00
Th-230	8.20E-10
U-234	8.89E-06
U-235	6.77E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

This waste consists of miscellaneous job control waste such as laboratory supplies used in research programs in the shielded cells, e.g. glassware, paper wipes, stainless steel samples vials, poly bottles, pipettes and small lab equipment (stirrers, heaters). In addition to the job control waste, this stream contains shavings from the cuttings of a Mark 16 fuel element.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W026-221F-HEPA

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU HEPA Filters (S5000)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - SRS Poly Box	131.8	0.0	131.8
Current Form Total	131.8	0.0	131.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/o Liner	378.0	0.0	378.0
Final Form Total	378.0	0.0	378.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	47.90
Aluminum-based Metals/Alloys	84.62
Other Metals	0.00
Other Inorganic Materials	9.58
Cellulosics	0.00
Rubber	0.00
Plastics	14.37
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.39E-01
Np-237	1.30E-06
Pu-238	6.98E+00
Pu-239	2.29E+00
Pu-240	5.34E-01
Pu-241	1.14E+01
Pu-242	1.95E-04
Th-229	1.26E-14
Th-230	2.48E-08
Th-232	1.00E-16
U-233	3.21E-11
U-234	3.38E-04
U-235	3.61E-08
U-236	2.54E-07
U-238	4.88E-11

Haz. Waste No(s).

D022, D028, D029, F001, F002, F003, F005

TRUCON Code(s)

119/219

Waste Stream Description

HEPA Filters in Filtered Polyethylene Boxes

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W026-221F-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU/Thirds Heterogeneous debris from 221F			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	72.8	0.0	72.8
Box - SRS B-25 OP	43.2	0.0	43.2
Box - SRS Black Box	683.2	0.0	683.2
Box - SRS Poly Box	37.6	0.0	37.6
SLB2 (5' x 5' x 8) Dir Ld	84.9	0.0	84.9
SWB Dir Ld w/ Liner	86.9	0.0	86.9
TDOP Dir Ld	57.5	0.0	57.5
Current Form Total	1066.1	0.0	1066.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	21.8	0.0	21.8
SLB2 (5' x 5' x 8) Dir Ld	696.2	0.0	696.2
SWB Dir Ld w/o Liner	194.7	0.0	194.7
TDOP Dir Ld	57.5	0.0	57.5
TDOP w/ 10 - 55-gal Drums w/ Liners	119.8	0.0	119.8
Final Form Total	1089.9	0.0	1089.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	33.10
Aluminum-based Metals/Alloys	0.55
Other Metals	1.10
Other Inorganic Materials	5.72
Cellulosics	2.59
Rubber	8.31
Plastics	26.30
Cements	0.00
Inorganic Matrix	0.08
Organic Matrix	0.55
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	200.61
Packaging Material, Plastic	2.51
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.24E-01
Am-243	6.90E-07
Cm-244	1.30E-04
Np-237	2.28E-06
Pu-238	2.36E-01
Pu-239	5.80E-01
Pu-240	1.40E-01
Pu-241	4.27E+00
Pu-242	2.30E-04
Th-229	1.59E-08
Th-230	6.42E-10
Th-232	2.41E-17
U-233	8.50E-05
U-234	3.64E-05
U-235	1.20E-06
U-236	2.48E-07
U-238	6.60E-06

Haz. Waste No(s).

D006, D007, D008, D009, D022, D028, D029, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

200 Areas (F and H Separations Facilities). This waste is primarily solids consisting of mainly booties, lab coats, floor sweepings, rags, labware, and other job control wastes. Small HEPAs, liquids, sludges and resins may also be found in this stream. The waste is generated primarily through separation activities in the course of plutonium production, includes small amounts of TRU waste from on site laboratories.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **SR-W026-221F-HET-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-SR-W026-221F-HE	26.5
SWB w/ 4 - 55-gal Drums w/o Liners	WP-SR-W026-221F-HE	3.8
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-SR-W026-221F-HE	522.1
Shipped Total		552.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	28.88
Aluminum-based Metals/Alloys	0.53
Other Metals	0.24
Other Inorganic Materials	5.63
Cellulosics	2.03
Rubber	7.21
Plastics	22.31
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.03
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.27E-01
Am-243	9.56E-08
Cm-244	1.44E-04
Cs-137	4.48E-07
Np-237	8.46E-06
Pu-238	5.49E-01
Pu-239	1.86E+00
Pu-240	5.16E-01
Pu-241	7.95E+00
Pu-242	6.42E-05
Sr-90	4.70E-07
Th-229	6.77E-15
Th-230	3.48E-09
Th-232	6.31E-08
U-233	7.25E-11
U-234	1.95E-04
U-235	2.60E-06
U-236	3.06E-08
U-238	1.63E-05

Haz. Waste No(s).

D006, D007, D008, D009, D022, D028, D029, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W026-221F-HOM

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH Mixed TRU Solids (S3000)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	7.7	0.0	7.7
Current Form Total	7.7	0.0	7.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
TDOP w/ 10 - 55-gal Drums w/ Liners	14.4	0.0	14.4
Final Form Total	16.7	0.0	16.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.57
Cellulosics	0.01
Rubber	0.01
Plastics	0.98
Cements	0.00
Inorganic Matrix	8.91
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	205.76
Packaging Material, Plastic	18.97
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.67E-02
Np-237	1.48E-07
Pu-238	6.58E-02
Pu-239	2.61E-01
Pu-240	4.99E-02
Pu-241	6.19E-01
Pu-242	5.95E-06
Th-229	2.41E-15
Th-230	2.84E-10
Th-232	9.37E-18
U-233	4.80E-12
U-234	3.53E-06
U-235	4.59E-09
U-236	2.37E-08
U-238	1.27E-10

Haz. Waste No(s).

D022, D028, D029, F001, F002, F003, F005

No TRUCON Codes Provided

Waste Stream Description

Absorbed oil, neutralized acids / bases and water

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W026-772F-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU/Thirds Heterogeneous debris from 772F			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	221.9	28.7	250.6
Box - SRS B-25 OP	10.8	0.0	10.8
Box - Steel	37.6	0.0	37.6
SWB Dir Ld w/ Liner	11.3	0.0	11.3
Current Form Total	281.7	28.7	310.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	66.6	28.7	95.3
SLB2 (5' x 5' x 8) Dir Ld	175.5	0.0	175.5
SWB Dir Ld w/o Liner	11.3	0.0	11.3
TDOP w/ 10 - 55-gal Drums w/ Liners	359.3	0.0	359.3
Final Form Total	612.6	28.7	641.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.80
Aluminum-based Metals/Alloys	1.01
Other Metals	2.78
Other Inorganic Materials	27.80
Cellulosics	6.95
Rubber	5.18
Plastics	68.90
Cements	0.00
Inorganic Matrix	0.13
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	203.27
Packaging Material, Plastic	14.52
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.91E-01
Cm-244	1.67E-04
Cs-137	7.35E-03
Np-237	7.10E-04
Pu-238	3.74E+01
Pu-239	5.70E-01
Pu-240	1.40E-01
Pu-241	6.36E+00
Pu-242	1.10E-04
Sr-90	7.34E-03
Th-229	1.20E-09
Th-230	7.75E-08
Th-232	6.13E-16
U-233	6.41E-06
U-234	4.41E-03
U-235	3.20E-06
U-236	6.21E-06
U-238	1.10E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D028, D029, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

Combined waste from former W027-772F-HET and T001-772F-HET. This waste stream is defense related, contact handled TRU waste and is composed of Job Control waste, sludges and resins, HEPA filters and metal equipment.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W026-772F-HET-S

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-SR-W026-772F-HE	32.1
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-SR-W026-772F-HE	1274.1
Shipped Total		1306.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.63
Aluminum-based Metals/Alloys	0.31
Other Metals	0.28
Other Inorganic Materials	8.26
Cellulosics	1.89
Rubber	1.33
Plastics	20.51
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.07E-02
Am-243	4.98E-07
Cm-244	7.17E-05
Cs-137	2.86E-05
Np-237	5.34E-05
Pu-238	2.10E+00
Pu-239	2.01E-01
Pu-240	5.73E-02
Pu-241	9.57E-01
Pu-242	9.42E-06
Sr-90	2.31E-05
Th-229	9.72E-09
Th-230	6.33E-09
Th-232	3.03E-07
U-233	5.18E-05
U-234	3.58E-04
U-235	7.69E-07
U-236	3.40E-09
U-238	5.99E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D028, D029, F002, F003, F005

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-221F-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 221F			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	402.1	0.0	402.1
Box - SRS Black Box	384.3	0.0	384.3
Box - SRS Poly Box	90.2	0.0	90.2
Box - Steel	52.8	0.0	52.8
Current Form Total	929.4	0.0	929.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	120.6	0.0	120.6
SLB2 (5' x 5' x 8) Dir Ld	464.1	0.0	464.1
SWB Dir Ld w/o Liner	258.9	0.0	258.9
TDOP w/ 10 - 55-gal Drums w/ Liners	646.7	0.0	646.7
Final Form Total	1490.3	0.0	1490.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	16.20
Aluminum-based Metals/Alloys	0.94
Other Metals	1.22
Other Inorganic Materials	6.56
Cellulosics	5.53
Rubber	13.90
Plastics	49.00
Cements	0.00
Inorganic Matrix	0.28
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	199.08
Packaging Material, Plastic	9.98
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.49E+00
Np-237	1.33E-06
Pu-238	2.74E+00
Pu-239	4.80E+00
Pu-240	1.10E+00
Pu-241	4.67E+01
Pu-242	6.20E-04
Th-229	7.83E-16
Th-230	3.19E-10
Th-232	7.25E-18
U-233	8.47E-12
U-234	2.36E-05
U-235	1.47E-08
U-236	9.78E-08
U-238	9.90E-09

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D018, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U002, U151

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste. This stream differs from SR-W026 because solvent rags are suspected to be in the waste.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-221F-HETA-S

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-SR-W027-221F-HE	164.9
SWB w/ 4 - 55-gal Drums w/ Liners	WP-SR-W027-221F-HE	213.6
SWB w/ 4 - 55-gal Drums w/o Liners	WP-SR-W027-221F-HE	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-SR-W027-221F-HE	1700.5
Shipped Total		2080.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.18
Aluminum-based Metals/Alloys	0.42
Other Metals	0.07
Other Inorganic Materials	3.48
Cellulosics	4.68
Rubber	3.26
Plastics	32.87
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.55E-01
Am-243	2.14E-09
Cs-137	2.29E-04
Np-237	4.00E-06
Pu-238	9.60E-02
Pu-239	8.13E-01
Pu-240	2.67E-01
Pu-241	5.10E+00
Pu-242	4.46E-05
Sr-90	6.21E-08
Th-229	2.35E-09
Th-230	3.23E-09
Th-232	4.78E-08
U-233	8.33E-06
U-234	1.20E-04
U-235	5.94E-08
U-236	2.38E-08
U-238	1.04E-06

Haz. Waste No(s).

D008, F001, F002, F003, F005

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-221H-HEPA

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH TRU HEPA filters					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - SRS Poly Box	48.0	0.0	48.0
Current Form Total	48.0	0.0	48.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/o Liner	138.0	0.0	138.0
Final Form Total	138.0	0.0	138.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	47.86
Aluminum-based Metals/Alloys	84.56
Other Metals	0.00
Other Inorganic Materials	9.57
Cellulosics	0.00
Rubber	0.00
Plastics	14.36
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.10E-02
Np-237	3.73E-04
Pu-238	1.09E+02
Pu-239	1.17E-01
Pu-240	5.12E-02
Pu-241	2.69E+00
Pu-242	5.09E-05
U-234	4.06E-05
U-235	5.92E-07
U-236	7.37E-06
U-238	2.36E-08

Haz. Waste No(s).

D006, D008, D009, D019, D022, D029, D035, D039, D040, D043

TRUCON Code(s)

119/219

Waste Stream Description

This waste stream is defense related, contact handled mixed TRU and is composed of HEPA filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-221H-HET-A

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 221H					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	435.8	163.7	599.5
Box - FRP	10.7	0.0	10.7
Box - SRS B-25 OP	28.8	0.0	28.8
Box - Steel	32.9	0.0	32.9
Cask - Misc	14.3	0.0	14.3
Cask - SRS CMISC	1.2	0.0	1.2
SLB2 (5' x 5' x 8) Dir Ld	962.2	254.7	1216.9
SWB Dir Ld w/ Liner	62.4	24.6	86.9
Current Form Total	1548.2	443.0	1991.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	130.8	163.7	294.5
SLB2 (5' x 5' x 8) Dir Ld	1216.9	254.7	1471.6
SWB Dir Ld w/o Liner	86.9	24.6	111.5
TDOP w/ 10 - 55-gal Drums w/ Liners	704.1	0.0	704.1
Final Form Total	2138.8	443.0	2581.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.18
Aluminum-based Metals/Alloys	0.04
Other Metals	0.67
Other Inorganic Materials	0.42
Cellulosics	1.65
Rubber	2.96
Plastics	7.29
Cements	0.00
Inorganic Matrix	0.41
Organic Matrix	0.34
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	204.22
Packaging Material, Plastic	8.61
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.92E-02
Am-243	1.10E-07
Cs-137	8.21E-03
Np-237	2.90E-03
Pu-238	9.84E+01
Pu-239	2.40E-01
Pu-240	9.30E-02
Pu-241	2.45E+00
Pu-242	5.40E-05
Sr-90	8.20E-03
Th-229	3.77E-10
Th-230	1.28E-08
Th-232	1.98E-15
U-233	2.03E-06
U-234	9.93E-04
U-235	8.80E-06
U-236	2.00E-05
U-238	2.10E-06

Haz. Waste No(s).

D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U133

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream has been seperated from it's parent waste stream SR-W027-221H-HET waste. This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste. This stream differs from SR-W026 because solvent rags are suspected to be in the waste. Small HEPA filters, sludges, resins, absorbed liquids, and large metal equipment are also in these waste streams

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **SR-W027-221H-HET-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-SR-W027-221H-HE	313.7
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-SR-W027-221H-HE	2203.4
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-SR-W027-221H-HE	4.8
Shipped Total		2521.9

Waste Material Parameters

Material Parameter	**Average Density (kg/m^3)**
Iron-based Metals/Alloys	8.00
Aluminum-based Metals/Alloys	0.45
Other Metals	0.14
Other Inorganic Materials	3.16
Cellulosics	2.45
Rubber	6.57
Plastics	23.47
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	**Typical Concentration (Ci/m^3)**
Am-241	2.99E-02
Am-243	8.11E-06
Cs-137	4.23E-06
Np-237	8.24E-05
Pu-238	1.51E+01
Pu-239	5.17E-02
Pu-240	2.03E-02
Pu-241	2.02E+00
Pu-242	9.72E-06
Sr-90	4.22E-06
Th-229	6.73E-09
Th-230	4.92E-08
Th-232	1.08E-06
U-233	3.59E-05
U-234	2.78E-03
U-235	6.16E-07
U-236	1.21E-09
U-238	9.86E-07

Haz. Waste No(s).

D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U133

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-235F-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 235F			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	191.6	0.0	191.6
Box - SRS Black Box	42.7	0.0	42.7
Box - SRS Poly Box	22.4	0.0	22.4
Box - Steel	28.2	0.0	28.2
Cask - SRS CMISC	1.2	0.0	1.2
MSMS	13.3	0.0	13.3
SWB Dir Ld w/ Liner	28.4	0.0	28.4
Current Form Total	327.7	0.0	327.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	57.4	0.0	57.4
SLB2 (5' x 5' x 8) Dir Ld	277.3	0.0	277.3
SWB Dir Ld w/o Liner	92.6	0.0	92.6
TDOP w/ 10 - 55-gal Drums w/ Liners	306.6	0.0	306.6
Final Form Total	733.9	0.0	733.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	55.00
Aluminum-based Metals/Alloys	0.79
Other Metals	0.98
Other Inorganic Materials	9.20
Cellulosics	13.00
Rubber	25.00
Plastics	92.00
Cements	0.00
Inorganic Matrix	0.02
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	202.27
Packaging Material, Plastic	9.62
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.58E-02
Np-237	7.00E-03
Pu-238	3.17E+02
Pu-239	3.50E-01
Pu-240	1.70E-01
Pu-241	4.00E+01
Pu-242	4.00E-04
Th-229	4.53E-12
Th-230	6.23E-09
Th-232	1.04E-15
U-233	6.35E-08
U-234	1.14E-03
U-235	1.80E-06
U-236	2.10E-05
U-238	1.90E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D035, F002, F003

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is defense related contact handled mixed TRU waste. This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste, small HEPAs, liquids, sludges and resins may also be found in this stream..

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-235F-HET-S

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-SR-W027-235F-HE	18.9
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-SR-W027-235F-HE	282.6
Shipped Total		301.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.31
Aluminum-based Metals/Alloys	0.22
Other Metals	0.19
Other Inorganic Materials	2.81
Cellulosics	3.52
Rubber	6.47
Plastics	24.93
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.58E-02
Am-243	3.70E-08
Cs-137	5.33E-07
Np-237	1.19E-04
Pu-238	7.14E+00
Pu-239	3.20E-02
Pu-240	2.17E-02
Pu-241	1.30E+00
Pu-242	1.11E-05
Sr-90	5.33E-07
Th-229	2.43E-14
Th-230	1.25E-08
Th-232	8.33E-07
U-233	5.19E-10
U-234	1.40E-03
U-235	2.49E-06
U-236	6.43E-10
U-238	2.99E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D035, F002, F003

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-235F-HOMO

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S3000	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH mixed TRU S3000 solids from 235F					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.7	0.0	3.7
Current Form Total	3.7	0.0	3.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
TDOP w/ 10 - 55-gal Drums w/ Liners	4.8	0.0	4.8
Final Form Total	5.8	0.0	5.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	21.68
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	287.55
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	202.20
Packaging Material, Plastic	19.83
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.79E-01
Np-237	7.05E-07
Pu-238	2.03E+02
Pu-239	1.61E-01
Pu-240	8.74E-02
Pu-241	2.30E+00
Pu-242	1.03E-04
Th-229	9.26E-15
Th-230	6.32E-07
Th-232	1.44E-17
U-233	2.08E-11
U-234	9.20E-03
U-235	2.38E-09
U-236	3.89E-08
U-238	2.34E-13

Haz. Waste No(s).

D004, D006, D007, D008, D009, D010, D011

No TRUCON Codes Provided

Waste Stream Description

This waste consists of sludge from tank cleanout.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-773A-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 773A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	162.9	207.2	370.0
Box - FRP	4.1	0.0	4.1
Box - Misc	6.2	0.0	6.2
Box - SRS B-25 OP	7.2	0.0	7.2
Box - SRS Poly Box	3.5	0.0	3.5
Box - Steel	56.4	0.0	56.4
Cask - Misc	63.7	0.0	63.7
Cask - SRS CMISC	3.6	0.0	3.6
PMISC	4.9	0.0	4.9
Current Form Total	312.5	207.2	519.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	48.9	207.2	256.0
SLB2 (5' x 5' x 8) Dir Ld	560.3	0.0	560.3
SWB Dir Ld w/o Liner	18.9	0.0	18.9
TDOP w/ 10 - 55-gal Drums w/ Liners	263.5	0.0	263.5
Final Form Total	891.6	207.2	1098.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	95.30
Aluminum-based Metals/Alloys	4.55
Other Metals	11.80
Other Inorganic Materials	47.10
Cellulosics	27.90
Rubber	16.40
Plastics	99.90
Cements	0.00
Inorganic Matrix	0.30
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	195.63
Packaging Material, Plastic	12.48
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.88E-03
Am-243	1.40E-02
Cm-244	1.35E+00
Cs-137	3.22E-01
Np-237	3.17E-10
Pu-238	7.64E+00
Pu-239	1.30E-01
Pu-240	3.51E-02
Pu-241	1.14E+00
Pu-242	4.10E-04
Pu-244	4.66E-16
Sr-90	3.22E-01
Th-229	1.78E-09
Th-230	2.69E-10
Th-232	3.30E-07
U-233	1.90E-05
U-234	4.08E-05
U-235	5.60E-07
U-236	3.30E-06
U-238	1.20E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is defense related contact handled mixed TRU waste. This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, other job control waste, small HEPAs liquids, sludges and resins may also be found in this waste.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **SR-W027-773A-HET-S**

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	WP-SR-W027-773A-HE	3.8
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-SR-W027-773A-HE	340.1
TDOP w/ 10 - 55-gal Drums w/o Liners	WP-SR-W027-773A-HE	14.4
Shipped Total		358.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	14.48
Aluminum-based Metals/Alloys	0.25
Other Metals	0.54
Other Inorganic Materials	7.37
Cellulosics	3.81
Rubber	2.40
Plastics	15.49
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.45E-02
Am-243	6.96E-04
Cm-244	3.69E-02
Cs-137	6.16E-05
Np-237	9.53E-05
Pu-238	5.15E+00
Pu-239	2.52E-01
Pu-240	6.16E-02
Pu-241	1.24E+00
Pu-242	6.62E-06
Sr-90	6.16E-05
Th-229	1.95E-14
Th-230	8.32E-09
Th-232	3.67E-07
U-233	4.15E-10
U-234	9.32E-04
U-235	4.72E-07
U-236	1.83E-09
U-238	4.18E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

A - SR - 33

Waste Stream ID: SR-W027-999-AGNS-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SR-AGNS-HET Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	29.5	0.0	29.5
Current Form Total	29.5	0.0	29.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	8.9	0.0	8.9
TDOP w/ 10 - 55-gal Drums w/ Liners	47.9	0.0	47.9
Final Form Total	56.8	0.0	56.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	29.99
Aluminum-based Metals/Alloys	0.00
Other Metals	3.17
Other Inorganic Materials	22.29
Cellulosics	25.12
Rubber	6.45
Plastics	25.92
Cements	0.00
Inorganic Matrix	0.23
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	204.03
Packaging Material, Plastic	19.39
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.17E-02
Np-237	9.37E-05
Pu-238	5.94E-02
Pu-239	1.14E-01
Pu-240	3.44E-02
Pu-241	5.07E-01
Pu-242	4.21E-06
Th-229	1.28E-11
Th-230	2.34E-09
Th-232	1.77E-15
U-233	1.06E-08
U-234	1.23E-05
U-235	3.01E-07
U-236	1.39E-06
U-238	4.35E-09

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D019, D022, D029, F002, F005

TRUCON Code(s)

125/225

Waste Stream Description

This waste is comprised of numerous organic and inorganic debris waste and generally consists of paper, cloth, wood, plastic, rubber, glass, and metal.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-999-AGNS-HOM

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	SR-AGNS-HOM			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.3	0.0	3.3
Current Form Total	3.3	0.0	3.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
TDOP w/ 10 - 55-gal Drums w/ Liners	4.8	0.0	4.8
Final Form Total	5.8	0.0	5.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	61.52
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	2300.00
Inorganic Matrix	816.06
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	202.20
Packaging Material, Plastic	19.83
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.66E+00
Np-237	5.36E-04
Pu-238	5.00E-01
Pu-239	1.04E+00
Pu-240	2.44E-01
Pu-241	3.17E+00
Pu-242	4.23E-05
Th-229	7.17E-11
Th-230	2.05E-08
Th-232	1.21E-16
U-233	5.93E-08
U-234	1.08E-04
U-235	3.35E-06
U-236	1.89E-07
U-238	7.11E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, F005

TRUCON Code(s)

111/211

Waste Stream Description

This waste is comprised of aqueous liquids solidified with lime and cement in a 55-gallon drum and aqueous liquid that had been absorbed using Florco-X and then later solidified with cement and water inside a 55-gallon drum.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-999-LASL-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH Mixed TRU Debris (S5000)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	24.1	0.0	24.1
Current Form Total	24.1	0.0	24.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	44.3	0.0	44.3
Final Form Total	44.3	0.0	44.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	58.44
Aluminum-based Metals/Alloys	0.83
Other Metals	1.04
Other Inorganic Materials	9.81
Cellulosics	13.57
Rubber	26.51
Plastics	97.26
Cements	0.00
Inorganic Matrix	0.02
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.96E+00
Np-237	3.63E-05
Pu-238	1.30E+03
Pu-239	1.20E+00
Pu-240	7.57E-01
Pu-241	1.50E+01
Pu-242	8.70E-04
Th-229	2.44E-12
Th-230	2.30E-05
Th-232	6.42E-16
U-233	2.44E-09
U-234	1.44E-01
U-235	4.02E-08
U-236	7.65E-07
U-238	4.46E-12

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-999-LASL-HOM

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH Mixed TRU Solids (S3000)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	3.2	0.0	3.2
Current Form Total	3.2	0.0	3.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	5.8	0.0	5.8
Final Form Total	5.8	0.0	5.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.36
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	57.84
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.03E+00
Np-237	2.78E-05
Pu-238	2.22E+03
Pu-239	2.00E+00
Pu-240	1.10E+00
Pu-241	1.15E+01
Pu-242	1.30E-03
Th-229	1.87E-12
Th-230	3.92E-05
Th-232	9.30E-16
U-233	1.87E-09
U-234	2.45E-01
U-235	6.70E-08
U-236	1.11E-06
U-238	6.67E-12

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Plutonium Oxide Scrap

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-999-MD-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from offsite			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	172.2	0.0	172.2
83-gal Drum	18.9	0.0	18.9
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	12.2	0.0	12.2
Box - Misc	117.8	0.0	117.8
Box - Steel	343.2	0.0	343.2
SWB Dir Ld w/ Liner	34.0	0.0	34.0
Current Form Total	698.4	0.0	698.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	59.5	0.0	59.5
SLB2 (5' x 5' x 8) Dir Ld	1245.2	0.0	1245.2
SWB Dir Ld w/o Liner	92.6	0.0	92.6
TDOP w/ 10 - 55-gal Drums w/ Liners	277.8	0.0	277.8
Final Form Total	1675.1	0.0	1675.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	104.05
Aluminum-based Metals/Alloys	2.54
Other Metals	4.46
Other Inorganic Materials	10.01
Cellulosics	1.37
Rubber	2.03
Plastics	4.70
Cements	0.00
Inorganic Matrix	2.49
Organic Matrix	2.13
Soils/gravel	23.29
Vitrified	0.00
Packaging Material, Steel	210.02
Packaging Material, Plastic	2.67
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.24E-01
Cm-244	9.13E-07
Np-237	2.26E-06
Pu-238	2.39E+02
Pu-239	2.34E-01
Pu-240	1.25E-01
Pu-241	1.40E+00
Pu-242	1.42E-04
Pu-244	2.63E-18
Th-229	7.50E-08
Th-230	4.23E-06
Th-232	1.06E-16
U-233	2.36E-05
U-234	2.65E-02
U-235	1.31E-07
U-236	1.26E-07
U-238	2.74E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D030, D032, D034, D037, D043, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-999-MD-HOM-A

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH Mixed TRU Solids (S3000)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.7	0.0	1.7
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.0	0.0	1.0
Current Form Total	2.6	0.0	2.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
Final Form Total	2.3	0.0	2.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.02
Aluminum-based Metals/Alloys	0.00
Other Metals	8.99
Other Inorganic Materials	19.83
Cellulosics	2.40
Rubber	0.07
Plastics	15.41
Cements	0.00
Inorganic Matrix	118.29
Organic Matrix	3.90
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.49E-02
Np-237	1.21E-05
Pu-238	1.32E+01
Pu-239	9.20E-03
Pu-240	7.34E-04
Pu-241	9.62E-03
Pu-242	2.31E-08
Th-229	1.92E-12
Th-230	2.24E-07
Th-232	4.22E-19
U-233	1.46E-09
U-234	1.46E-03
U-235	1.42E-07
U-236	6.11E-10
U-238	4.98E-17

Haz. Waste No(s).

D006, D007, D008

No TRUCON Codes Provided

Waste Stream Description

Aqueous liquids absorbed in polyethylene bottles.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-999-MD-HOM-B

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	CH Mixed TRU Solids (S3000)					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Steel	4.2	0.0	4.2
Current Form Total	4.2	0.0	4.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SLB2 (5' x 5' x 8) Dir Ld	22.6	0.0	22.6
Final Form Total	22.6	0.0	22.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.02
Aluminum-based Metals/Alloys	0.00
Other Metals	8.99
Other Inorganic Materials	19.83
Cellulosics	2.40
Rubber	0.07
Plastics	15.41
Cements	0.00
Inorganic Matrix	118.29
Organic Matrix	3.90
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	216.30
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.49E-02
Np-237	1.21E-05
Pu-238	1.32E+01
Pu-239	9.20E-03
Pu-240	7.34E-04
Pu-241	9.62E-03
Pu-242	2.31E-08
Th-229	1.92E-12
Th-230	2.24E-07
Th-232	4.22E-19
U-233	1.46E-09
U-234	1.46E-03
U-235	1.42E-07
U-236	6.11E-10
U-238	4.98E-17

Haz. Waste No(s).

D004, D006, D007, D008, D009, D011, F002, F003, F006, F007, F009

No TRUCON Codes Provided

Waste Stream Description

Waste water treatment sludge.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-999-MD-HOM-C

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3000
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU Solids (S3000)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Current Form Total	1.0	0.0	1.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Final Form Total	1.0	0.0	1.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.02
Aluminum-based Metals/Alloys	0.00
Other Metals	8.99
Other Inorganic Materials	19.83
Cellulosics	2.40
Rubber	0.07
Plastics	15.41
Cements	0.00
Inorganic Matrix	118.29
Organic Matrix	3.90
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.49E-02
Np-237	1.21E-05
Pu-238	1.32E+01
Pu-239	9.20E-03
Pu-240	7.34E-04
Pu-241	9.62E-03
Pu-242	2.31E-08
Th-229	1.92E-12
Th-230	2.24E-07
Th-232	4.22E-19
U-233	1.46E-09
U-234	1.46E-03
U-235	1.42E-07
U-236	6.11E-10
U-238	4.98E-17

Haz. Waste No(s).

D004, D006, D007, D008, D009, D011, F002, F003

No TRUCON Codes Provided

Waste Stream Description

Not yet incorporated into an AK Report

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-999-MD-SOIL

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Soils	**Waste Matrix Code**	S4200
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU Soil / Gravel (S4000)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.9	0.0	2.9
Box - Steel	18.4	0.0	18.4
SWB Dir Ld w/ Liner	5.7	0.0	5.7
Current Form Total	27.0	0.0	27.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.8	0.0	0.8
SLB2 (5' x 5' x 8) Dir Ld	79.2	0.0	79.2
SWB Dir Ld w/o Liner	5.7	0.0	5.7
TDOP w/ 10 - 55-gal Drums w/ Liners	4.8	0.0	4.8
Final Form Total	90.5	0.0	90.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	2.06
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	40.52
Soils/gravel	1833.47
Vitrified	0.00
Packaging Material, Steel	211.66
Packaging Material, Plastic	0.85
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.53E-04
Np-237	1.37E-06
Pu-238	1.75E-01
Pu-239	5.94E-03
Pu-242	1.09E-10
Th-229	2.18E-13
Th-230	2.04E-09
U-233	1.66E-10
U-234	1.56E-05
U-235	1.64E-10
U-238	2.35E-19

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F002, F003, F004, F005, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

Soil mixed with absorbant and some commingled debris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-FB-PRE86-C-S

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Shipped Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	WP-SR-W027-FB-PRE8	175.8
SWB w/ 4 - 55-gal Drums w/ Liners	WP-SR-W027-FB-PRE8	264.6
TDOP w/ 10 - 55-gal Drums w/ Liners	WP-SR-W027-FB-PRE8	1944.7
Shipped Total		2385.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.99
Aluminum-based Metals/Alloys	0.10
Other Metals	0.05
Other Inorganic Materials	2.84
Cellulosics	4.18
Rubber	3.45
Plastics	30.25
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.12E-01
Am-243	4.74E-08
Cm-244	4.19E-05
Cs-137	7.22E-08
Np-237	3.21E-06
Pu-238	6.71E-02
Pu-239	1.39E+00
Pu-240	1.87E-01
Pu-241	2.93E+00
Pu-242	9.24E-05
Sr-90	5.85E-08
Th-229	4.19E-10
Th-230	1.28E-09
Th-232	2.61E-08
U-233	1.49E-06
U-234	4.76E-05
U-235	4.85E-08
U-236	1.67E-08
U-238	1.16E-07

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D018, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U002, U151

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-HBL-Box-A

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH mixed TRU from 221H			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - SRS Black Box	427.0	0.0	427.0
Current Form Total	427.0	0.0	427.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SLB2 (5' x 5' x 8) Dir Ld	339.6	0.0	339.6
Final Form Total	339.6	0.0	339.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	69.20
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	46.10
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	216.30
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.30E-03
Np-237	2.99E-04
Pu-238	1.05E+01
Pu-239	8.35E-03
Pu-240	4.54E-03
Pu-241	1.14E-01
Pu-242	5.37E-06
Th-229	1.55E-11
Th-230	3.73E-08
Th-232	8.52E-19
U-233	2.07E-08
U-234	5.08E-04
U-235	1.32E-10
U-236	2.15E-09
U-238	1.30E-14

Haz. Waste No(s).

D008, F001, F002, F003, F005

No TRUCON Codes Provided

Waste Stream Description

This waste stream has been seperated from it's parent waste stream SR-W027-HBL-Box.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-SRSG-HET

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU Debris (S5000)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	52.4	161.8	214.2
Box - SRS B-25 OP	7.2	0.0	7.2
Box - SRS Poly Box	0.2	0.0	0.2
Box - Steel	165.0	0.0	165.0
SLB2 (5' x 5' x 8) Dir Ld	5.7	0.0	5.7
SWB Dir Ld w/ Liner	17.0	0.0	17.0
Current Form Total	247.5	161.8	409.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	15.8	161.8	177.6
SLB2 (5' x 5' x 8) Dir Ld	515.1	0.0	515.1
SWB Dir Ld w/o Liner	18.9	0.0	18.9
TDOP w/ 10 - 55-gal Drums w/ Liners	86.2	0.0	86.2
Final Form Total	636.0	161.8	797.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.85
Aluminum-based Metals/Alloys	0.42
Other Metals	142.20
Other Inorganic Materials	0.09
Cellulosics	4.20
Rubber	0.68
Plastics	10.69
Cements	0.00
Inorganic Matrix	16.46
Organic Matrix	4.79
Soils/gravel	0.02
Vitrified	0.00
Packaging Material, Steel	195.93
Packaging Material, Plastic	9.98
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.40E-01
Am-243	1.56E-05
Cm-244	6.40E-04
Np-237	5.76E-04
Pu-238	1.51E+00
Pu-239	9.20E-01
Pu-240	2.06E-01
Pu-241	2.43E+00
Pu-242	2.48E-03
Th-229	6.55E-06
Th-230	1.47E-06
Th-232	2.38E-14
U-233	2.41E-03
U-234	5.70E-03
U-235	4.47E-06
U-236	1.67E-05
U-238	2.63E-04

Haz. Waste No(s).

D008, F001, F002, F003, F004, F005, U133

TRUCON Code(s)

125/225

Waste Stream Description

Mixed CH TRU Debris from waste remediation activities and burial ground operations

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-SRSG-HET-RH

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	RH Mixed TRU Debris (S5000)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.1	10.6	12.7
Current Form Total	2.1	10.6	12.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	3.6	15.1	18.7
Final Form Total	3.6	15.1	18.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	288.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	78.00
Cements	0.00
Inorganic Matrix	8.60
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.98E-02
Am-243	4.44E-02
Cm-244	1.46E+00
Np-237	3.23E-04
Pu-238	1.46E-01
Pu-239	2.11E-01
Pu-240	7.28E-02
Pu-241	5.62E-01
Pu-242	2.26E-05
Pu-244	6.99E-15
Th-229	5.52E-11
Th-230	1.83E-09
Th-232	4.20E-17
U-233	4.07E-08
U-234	1.35E-05
U-235	6.02E-09
U-236	5.98E-08
U-238	9.90E-14

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

RH Mixed TRU debris.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-SRSG-HOM

Appendix A

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3000
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU Solids (S3000)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	10.4	0.0	10.4
Current Form Total	10.4	0.0	10.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.1	0.0	3.1
TDOP w/ 10 - 55-gal Drums w/ Liners	19.2	0.0	19.2
Final Form Total	22.3	0.0	22.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	29.30
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.29
Cellulosics	11.22
Rubber	0.00
Plastics	22.34
Cements	0.00
Inorganic Matrix	250.94
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	205.53
Packaging Material, Plastic	19.03
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.64E-01
Am-243	5.57E-05
Cm-244	1.83E-03
Np-237	1.03E-03
Pu-238	6.72E+01
Pu-239	4.61E+00
Pu-240	6.23E-01
Pu-241	3.01E+00
Pu-242	4.73E-04
Th-229	1.75E-10
Th-230	9.78E-07
Th-232	1.23E-14
U-233	1.29E-07
U-234	6.74E-03
U-235	1.22E-06
U-236	8.87E-06
U-238	2.40E-05

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Inorganic particulate from CIF stabilized with concrete and sludge material from D&D work in "F" area.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

ANNUAL TRANSURANIC WASTE INVENTORY REPORT – 2007
APPENDIX B
Emplaced Waste

The following waste stream profiles contain information on waste streams emplaced in the WIPP as of the inventory date, December 31, 2006. The TRU waste sites that have shipped TRU waste to the WIPP are:

Argonne National Laboratory – East	AE
Idaho National Laboratory	IN
Los Alamos National Laboratory	LA
Lawrence Livermore National Laboratory	LL
Nevada Test Site	NT
Rocky Flats Environmental Technology Site	RF
Hanford (Richland)	RL
Savannah River Site	SR

Waste Stream ID: WP-AECHDM

Appendix B

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	AECHDM-S	56.6
55-gal Drum Dir Ld w/o Liner	AECHDM-S	0.2
TDOP w/ 10 - 55-gal Drums w/ Liners	AECHDM-S	47.9
Emplaced Total		104.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	76.72
Aluminum-based Metals/Alloys	1.41
Other Metals	6.14
Other Inorganic Materials	6.37
Cellulosics	5.55
Rubber	10.96
Plastics	40.03
Cements	0.00
Inorganic Matrix	1.88
Organic Matrix	0.88
Soils/gravel	0.11
Vitrified	0.00
Packaging Material, Steel	170.56
Packaging Material, Plastic	27.36
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.19E-01
Am-243	1.80E-02
Cm-244	1.16E-03
Cs-137	1.74E-02
Np-237	1.17E-03
Pu-238	6.15E-01
Pu-239	8.16E-01
Pu-240	6.18E-01
Pu-241	9.02E-01
Pu-242	2.50E-04
Pu-244	1.92E-19
Sr-90	1.81E-02
Th-229	8.16E-05
Th-230	2.03E-08
Th-232	4.07E-18
U-233	4.01E-04
U-234	7.54E-04
U-235	1.43E-05
U-236	5.49E-08
U-238	4.21E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, D021, D027, D028, D030, D037, F001, F002, F003, F004, F005

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-AECHHM

Appendix B

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3110	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	AECHHM-S	9.4
TDOP w/ 10 - 55-gal Drums w/ Liners	AECHHM-S	4.8
Emplaced Total		14.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	348.27
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	160.22
Packaging Material, Plastic	29.93
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.04E+00
Am-243	3.63E-04
Cs-137	1.01E-04
Np-237	1.21E-04
Pu-238	3.17E-01
Pu-239	2.92E+00
Pu-240	1.16E+00
Pu-241	3.11E-13
Pu-242	1.43E-04
Sr-90	1.05E-04
Th-229	2.27E-05
Th-230	1.02E-08
Th-232	7.67E-18
U-233	1.57E-09
U-234	3.79E-04
U-235	7.46E-06
U-236	1.04E-07
U-238	1.90E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D027, D028, D030, D035, D036, D037, F001, F002, F003, F004, F005

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - AE - 2

Waste Stream ID: WP-MU-W002

Appendix B

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - East	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
TDOP w/ 10 - 55-gal Drums w/ Liners	MU-W002-S	4.8
Emplaced Total		4.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.68
Aluminum-based Metals/Alloys	2.17
Other Metals	0.02
Other Inorganic Materials	2.73
Cellulosics	0.10
Rubber	0.00
Plastics	2.67
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.70
Packaging Material, Plastic	16.10
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.46E+00
Am-243	2.38E-04
Cs-137	3.57E-07
Np-237	8.05E-04
Pu-239	4.73E-03
Sr-90	3.72E-07
Th-229	2.29E-04
Th-230	4.02E-16
U-233	1.05E-08
U-234	2.98E-11
U-235	1.40E-11
U-238	3.62E-06

Haz. Waste No(s).

D006, D011

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - AE - 3

Waste Stream ID: WP-BN004

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	BN004-S	211.7
TDOP w/ 10 - 55-gal Drums w/ Liners	BN004-S	71.9
Emplaced Total		283.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.03
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	1.95
Cellulosics	0.01
Rubber	0.01
Plastics	2.07
Cements	0.00
Inorganic Matrix	475.71
Organic Matrix	1.69
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	212.77
Packaging Material, Plastic	16.25
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.74E-01
Cm-244	5.91E-03
Cs-137	8.68E-06
Np-237	5.93E-04
Pu-238	1.54E-01
Pu-239	3.76E+00
Pu-240	8.49E-01
Pu-241	7.23E+00
Pu-242	7.23E-05
Sr-90	1.47E-05
Th-229	1.61E-07
Th-230	6.43E-10
Th-232	2.49E-18
U-233	8.57E-04
U-234	3.62E-05
U-235	8.20E-06
U-236	5.04E-08
U-238	5.35E-06

Haz. Waste No(s).

D006, D007, D008, D011, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BN161

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	BN161-S	0.6
SWB w/ 4 - 55-gal Drums w/ Liners	BN161-S	3.8
TDOP w/ 10 - 55-gal Drums w/ Liners	BN161-S	57.5
Emplaced Total		61.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.39
Aluminum-based Metals/Alloys	0.00
Other Metals	0.07
Other Inorganic Materials	127.78
Cellulosics	10.20
Rubber	0.00
Plastics	2.06
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	216.42
Packaging Material, Plastic	16.32
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.78E-01
Np-237	9.55E-06
Pu-238	1.59E-01
Pu-239	3.78E+00
Pu-240	8.63E-01
Pu-241	6.24E+00
Pu-242	6.96E-05
Th-229	1.92E-15
Th-230	4.95E-12
Th-232	6.32E-19
U-233	4.11E-11
U-234	7.77E-07
U-235	4.79E-08
U-236	2.56E-08
U-238	1.05E-14

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BN211

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	BN211-S	7.3
SWB w/ 4 - 55-gal Drums w/ Liners	BN211-S	54.8
TDOP w/ 10 - 55-gal Drums w/ Liners	BN211-S	483.8
Emplaced Total		545.9

Waste Material Parameters

Material Parameter	**Average Density (kg/m^3)**
Iron-based Metals/Alloys	0.28
Aluminum-based Metals/Alloys	1.67
Other Metals	0.39
Other Inorganic Materials	73.61
Cellulosics	24.37
Rubber	0.02
Plastics	3.81
Cements	0.00
Inorganic Matrix	0.27
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	215.88
Packaging Material, Plastic	16.40
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	**Typical Concentration (Ci/m^3)**
Am-241	8.71E-01
Am-243	5.09E-10
Cs-137	2.55E-09
Np-237	4.63E-05
Pu-238	1.62E-01
Pu-239	3.77E+00
Pu-240	8.72E-01
Pu-241	6.07E+00
Pu-242	7.28E-05
Sr-90	4.33E-09
Th-229	5.23E-09
Th-230	4.92E-11
Th-232	6.39E-19
U-233	5.57E-05
U-234	5.70E-06
U-235	1.15E-06
U-236	2.59E-08
U-238	8.43E-09

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

119/219

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BN243

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	BN243-S	1.5
SWB w/ 4 - 55-gal Drums w/ Liners	BN243-S	7.6
TDOP w/ 10 - 55-gal Drums w/ Liners	BN243-S	143.7
Emplaced Total		152.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.99
Aluminum-based Metals/Alloys	0.00
Other Metals	4.00
Other Inorganic Materials	87.65
Cellulosics	0.08
Rubber	0.14
Plastics	13.57
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	216.54
Packaging Material, Plastic	16.31
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.49E-01
Cm-244	8.56E-03
Cs-137	9.28E-10
Np-237	1.64E-05
Pu-238	3.49E-02
Pu-239	7.20E-01
Pu-240	1.61E-01
Pu-241	1.23E+00
Pu-242	1.62E-05
Sr-90	1.57E-09
Th-229	3.34E-15
Th-230	5.38E-11
Th-232	1.18E-19
U-233	7.13E-11
U-234	6.03E-06
U-235	1.58E-06
U-236	4.78E-09
U-238	2.45E-15

Haz. Waste No(s).

D005, D008, D009, D022, D028, D029, F001, F002, F005

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BN252

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5311	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	BN252-S	11.9
SWB w/ 4 - 55-gal Drums w/ Liners	BN252-S	51.0
TDOP w/ 10 - 55-gal Drums w/ Liners	BN252-S	105.4
Emplaced Total		168.3

Waste Material Parameters

Material Parameter	**Average Density (kg/m^3)**
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.00
Other Metals	32.82
Other Inorganic Materials	2.17
Cellulosics	0.12
Rubber	219.88
Plastics	1.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	209.58
Packaging Material, Plastic	17.63
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	**Typical Concentration (Ci/m^3)**
Am-241	9.02E-01
Cs-137	2.65E-09
Np-237	3.63E-04
Pu-238	2.13E-01
Pu-239	5.90E+00
Pu-240	1.27E+00
Pu-241	1.23E+01
Pu-242	1.35E-04
Sr-90	4.22E-09
Th-229	7.42E-14
Th-230	2.24E-11
Th-232	9.28E-19
U-233	1.58E-09
U-234	2.79E-06
U-235	1.13E-06
U-236	3.76E-08
U-238	2.04E-14

Haz. Waste No(s).

D008, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

121/221, 123/223

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BN296

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Lead/Cadmium Metal Wast	**Waste Matrix Code**	S5112	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	BN296-S	26.8
SWB w/ 4 - 55-gal Drums w/ Liners	BN296-S	24.6
TDOP w/ 10 - 55-gal Drums w/ Liners	BN296-S	440.7
Emplaced Total		492.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	72.69
Aluminum-based Metals/Alloys	0.36
Other Metals	97.03
Other Inorganic Materials	2.87
Cellulosics	2.69
Rubber	0.57
Plastics	1.46
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	212.63
Packaging Material, Plastic	17.25
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.36E+00
Cm-244	2.52E-03
Cs-137	1.88E-08
Np-237	7.93E-05
Pu-238	1.68E-01
Pu-239	3.49E+00
Pu-240	7.76E-01
Pu-241	5.52E+00
Pu-242	7.90E-05
Sr-90	3.38E-08
Th-229	1.08E-09
Th-230	1.95E-11
Th-232	5.68E-19
U-233	1.15E-05
U-234	2.41E-06
U-235	2.03E-03
U-236	2.30E-08
U-238	1.32E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BN304

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	BN304-S	4.4
SWB w/ 4 - 55-gal Drums w/ Liners	BN304-S	20.8
TDOP w/ 10 - 55-gal Drums w/ Liners	BN304-S	297.0
Emplaced Total		322.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.85
Aluminum-based Metals/Alloys	0.03
Other Metals	23.46
Other Inorganic Materials	4.49
Cellulosics	4.79
Rubber	7.80
Plastics	6.19
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.00
Soils/gravel	0.09
Vitrified	0.00
Packaging Material, Steel	216.10
Packaging Material, Plastic	16.40
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.66E-01
Cs-137	1.31E-06
Np-237	7.43E-06
Pu-238	4.81E+01
Pu-239	9.45E-02
Pu-240	7.12E-02
Pu-241	8.12E-01
Pu-242	6.02E-05
Sr-90	2.67E-06
Th-229	1.51E-15
Th-230	6.75E-10
Th-232	5.22E-20
U-233	3.23E-11
U-234	1.43E-04
U-235	1.34E-07
U-236	2.11E-09
U-238	7.40E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D029, F001, F002, F005, F007, F009

TRUCON Code(s)

119/219, 122/222, 123/223, 125/225, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BN510

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
100-gal Drum Dir Ld w/o Liner	BN510-S	2311.9
Emplaced Total		2311.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	310.37
Aluminum-based Metals/Alloys	2.69
Other Metals	3.65
Other Inorganic Materials	13.34
Cellulosics	155.69
Rubber	4.21
Plastics	179.84
Cements	0.00
Inorganic Matrix	0.03
Organic Matrix	0.01
Soils/gravel	0.02
Vitrified	0.00
Packaging Material, Steel	113.70
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.87E-01
Cs-137	1.46E-07
Np-237	1.94E-05
Pu-238	8.37E-02
Pu-239	1.20E+00
Pu-240	2.58E-01
Pu-241	2.23E+00
Pu-242	2.19E-05
Sr-90	2.41E-07
U-233	5.24E-06
U-234	4.41E-04
U-235	4.35E-04
U-238	9.67E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-BN835

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	BN835-S	5.7
TDOP w/ 10 - 55-gal Drums w/ Liners	BN835-S	953.2
Emplaced Total		958.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.75
Cellulosics	0.92
Rubber	0.01
Plastics	0.56
Cements	0.00
Inorganic Matrix	216.48
Organic Matrix	0.09
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.66
Packaging Material, Plastic	16.10
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.44E-02
Cs-137	8.43E-08
Np-237	5.03E-06
Pu-238	1.49E+00
Pu-239	3.03E-03
Pu-240	1.92E-03
Pu-241	3.52E-02
Pu-242	1.89E-06
Sr-90	1.47E-07
Th-229	1.03E-15
Th-230	1.93E-11
Th-232	1.41E-21
U-233	2.19E-11
U-234	4.26E-06
U-235	1.42E-10
U-236	5.70E-11
U-238	2.23E-07

Haz. Waste No(s).

D007, D008, D009, F001, F002

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BN836

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	BN836-S	1088.6
Emplaced Total		1088.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	0.08
Cellulosics	0.07
Rubber	0.00
Plastics	0.27
Cements	0.00
Inorganic Matrix	531.63
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.40E-03
Cs-137	2.60E-07
Np-237	1.70E-06
Pu-238	1.45E+00
Pu-239	2.18E-03
Pu-240	1.49E-03
Pu-241	5.04E-03
Pu-242	1.71E-06
Sr-90	4.29E-07
U-234	1.95E-07
U-235	2.59E-08
U-238	1.23E-08

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-BNINW216

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	BNINW216-S	58.7
SWB w/ 4 - 55-gal Drums w/ Liners	BNINW216-S	506.5
TDOP w/ 10 - 55-gal Drums w/ Liners	BNINW216-S	3056.0
Emplaced Total		3621.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.00
Other Metals	0.06
Other Inorganic Materials	5.50
Cellulosics	0.01
Rubber	0.01
Plastics	0.55
Cements	0.00
Inorganic Matrix	361.64
Organic Matrix	0.34
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	215.37
Packaging Material, Plastic	16.47
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.66E+00
Cs-137	1.28E-08
Np-237	7.47E-05
Pu-238	3.30E-02
Pu-239	3.36E-01
Pu-240	8.38E-02
Pu-241	1.03E+00
Pu-242	4.47E-05
Sr-90	2.06E-08
Th-229	1.50E-14
Th-230	3.46E-10
Th-232	6.14E-20
U-233	3.21E-10
U-234	3.85E-05
U-235	6.75E-06
U-236	2.48E-09
U-238	4.59E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

111/211, 132/232

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-BNINW218

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	BNINW218-S	39.7
TDOP w/ 10 - 55-gal Drums w/ Liners	BNINW218-S	435.9
Emplaced Total		475.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.03
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	31.78
Cellulosics	0.01
Rubber	0.01
Plastics	2.72
Cements	0.00
Inorganic Matrix	328.39
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.15
Packaging Material, Plastic	16.12
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.93E-02
Cs-137	2.19E-08
Np-237	5.49E-04
Pu-238	4.83E-03
Pu-239	9.44E-02
Pu-240	1.94E-02
Pu-241	1.96E-01
Pu-242	2.84E-06
Sr-90	3.58E-08
Th-229	4.49E-13
Th-230	6.33E-10
Th-232	5.69E-20
U-233	4.79E-09
U-234	3.52E-05
U-235	3.76E-06
U-236	1.15E-09
U-238	2.98E-04

Haz. Waste No(s).

D006, D007, D008, D009, D010, D011, D032, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-ID-RF-BNL-ASH

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3111
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	ID-RF-BNL-ASH-S	0.2
Emplaced Total		0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.62
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	37.02
Cellulosics	0.00
Rubber	0.00
Plastics	7.69
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.88E-01
Np-237	8.83E-06
Pu-238	1.19E-01
Pu-239	3.52E+00
Pu-240	8.09E-01
Pu-241	5.26E+00
Pu-242	6.47E-05
Th-229	1.77E-15
Th-230	1.52E-12
Th-232	5.92E-19
U-233	3.80E-11
U-234	3.38E-07
U-235	3.47E-09
U-236	2.40E-08
U-238	9.76E-15

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-ID-RF-S3114

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3114	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	ID-RF-S3114-S	18.9
TDOP w/ 10 - 55-gal Drums w/ Liners	ID-RF-S3114-S	76.6
Emplaced Total		95.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.08
Aluminum-based Metals/Alloys	0.00
Other Metals	3.36
Other Inorganic Materials	3.54
Cellulosics	0.02
Rubber	1.63
Plastics	1.26
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	331.92
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	216.39
Packaging Material, Plastic	16.14
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.87E-02
Cs-137	1.52E-08
Np-237	1.30E-06
Pu-238	4.85E-03
Pu-239	1.42E-01
Pu-240	3.03E-02
Pu-241	2.90E-01
Pu-242	2.70E-06
Sr-90	2.54E-08
U-234	4.20E-06
U-235	1.15E-07
U-238	9.18E-07

Haz. Waste No(s).

D022, D026, D027, D028, D029, D030, D032, D034, D036, D037, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-ID-RF-S3150-A

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	ID-RF-S3150-A-S	68.4
SWB w/ 4 - 55-gal Drums w/ Liners	ID-RF-S3150-A-S	83.2
TDOP w/ 10 - 55-gal Drums w/ Liners	ID-RF-S3150-A-S	14.4
Emplaced Total		166.0

Waste Material Parameters

Material Parameter	**Average Density (kg/m^3)**
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	25.73
Other Inorganic Materials	4.25
Cellulosics	0.00
Rubber	2.35
Plastics	3.15
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	636.61
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	178.56
Packaging Material, Plastic	24.82
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	**Typical Concentration (Ci/m^3)**
Am-241	1.58E-01
Cs-137	9.08E-08
Np-237	8.78E-06
Pu-238	3.59E-02
Pu-239	7.78E-01
Pu-240	1.72E-01
Pu-241	1.71E+00
Pu-242	1.45E-05
Sr-90	1.56E-07
Th-229	1.79E-15
Th-230	3.05E-08
Th-232	1.26E-19
U-233	3.81E-11
U-234	3.39E-03
U-235	5.19E-07
U-236	5.11E-09
U-238	1.11E-06

Haz. Waste No(s).

D022, D028, D029, D030, D032, D034, D036, D043, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-ID-RF-S5100-A

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5100	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	ID-RF-S5100-A-S	122.5
SWB w/ 4 - 55-gal Drums w/ Liners	ID-RF-S5100-A-S	5.7
TDOP w/ 10 - 55-gal Drums w/ Liners	ID-RF-S5100-A-S	397.6
Emplaced Total		525.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	113.17
Cellulosics	14.07
Rubber	0.01
Plastics	8.26
Cements	0.00
Inorganic Matrix	1.16
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	197.38
Packaging Material, Plastic	20.97
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.09E-01
Cs-137	1.70E-08
Np-237	1.07E-06
Pu-238	1.61E-02
Pu-239	4.70E-01
Pu-240	1.08E-01
Pu-241	7.16E-01
Pu-242	9.01E-06
Sr-90	2.87E-08
Th-229	1.84E-10
Th-230	1.55E-11
Th-232	7.88E-20
U-233	1.96E-06
U-234	1.75E-06
U-235	4.44E-08
U-236	3.19E-09
U-238	8.56E-09

Haz. Waste No(s).

D008, D009, D022, F001, F002, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 16

Waste Stream ID: WP-ID-RF-S5126

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	ID-RF-S5126-S	47.0
55-gal Drum Dir Ld w/o Liner	ID-RF-S5126-S	0.4
SWB w/ 4 - 55-gal Drums w/ Liners	ID-RF-S5126-S	5.7
TDOP w/ 10 - 55-gal Drums w/ Liners	ID-RF-S5126-S	95.8
Emplaced Total		148.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.57
Aluminum-based Metals/Alloys	0.00
Other Metals	0.03
Other Inorganic Materials	220.35
Cellulosics	6.52
Rubber	0.04
Plastics	4.64
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	189.77
Packaging Material, Plastic	22.66
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.32E-01
Cs-137	6.56E-03
Np-237	1.30E-05
Pu-238	1.29E-01
Pu-239	3.49E+00
Pu-240	8.12E-01
Pu-241	6.68E+00
Pu-242	6.65E-05
Sr-90	9.10E-08
Th-229	1.35E-07
Th-230	1.01E-09
Th-232	5.95E-19
U-233	1.44E-03
U-234	1.12E-04
U-235	8.55E-08
U-236	2.41E-08
U-238	1.00E-14

Haz. Waste No(s).

D008, D029, F001, F002, F005

TRUCON Code(s)

115/215

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 17

Waste Stream ID: WP-ID-RF-S5300-A

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	ID-RF-S5300-A-S	43.5
SWB w/ 4 - 55-gal Drums w/o Liners	ID-RF-S5300-A-S	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	ID-RF-S5300-A-S	1379.5
TDOP w/ 10 - 55-gal Drums w/o Liners	ID-RF-S5300-A-S	4.8
Emplaced Total		1429.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.81
Aluminum-based Metals/Alloys	0.20
Other Metals	0.37
Other Inorganic Materials	6.63
Cellulosics	49.18
Rubber	4.06
Plastics	52.32
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.49
Packaging Material, Plastic	16.03
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.14E-02
Am-243	1.20E-11
Cm-244	3.71E-04
Cs-137	9.10E-09
Np-237	2.37E-06
Pu-238	3.67E-03
Pu-239	1.10E-01
Pu-240	2.48E-02
Pu-241	1.23E+00
Pu-242	2.52E-06
Sr-90	1.28E-08
U-233	2.00E-04
U-234	1.42E-05
U-235	3.75E-07
U-238	5.81E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-INW161.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW161.001-S	19.1
Emplaced Total		19.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.05
Aluminum-based Metals/Alloys	0.00
Other Metals	0.43
Other Inorganic Materials	247.58
Cellulosics	24.03
Rubber	0.00
Plastics	6.05
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.29E+00
Np-237	1.60E-06
Pu-238	2.78E-01
Pu-239	8.21E+00
Pu-240	1.86E+00
Pu-241	1.71E+01
Pu-242	1.84E-04
Th-229	1.66E-15
Th-230	6.31E-10
Th-232	2.18E-17
U-233	1.34E-11
U-234	1.91E-05
U-235	4.61E-06
U-236	2.20E-07
U-238	2.90E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

122/222, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-INW169.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5330	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW169.001-S	19.1
Emplaced Total		19.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.24
Aluminum-based Metals/Alloys	0.05
Other Metals	3.52
Other Inorganic Materials	7.37
Cellulosics	130.27
Rubber	0.73
Plastics	7.38
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.40E-01
Np-237	3.01E-07
Pu-238	3.46E-02
Pu-239	1.03E+00
Pu-240	2.30E-01
Pu-241	2.38E+00
Pu-242	3.09E-05
Th-229	3.14E-16
Th-230	5.67E-10
Th-232	2.69E-18
U-233	2.53E-12
U-234	1.59E-05
U-235	3.78E-06
U-236	2.72E-08
U-238	2.29E-07

Haz. Waste No(s).

D006, D007, D008, D009, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 20

Waste Stream ID: WP-INW198.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5310
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW198.001-S	49.1
Emplaced Total		49.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.17
Aluminum-based Metals/Alloys	0.00
Other Metals	2.55
Other Inorganic Materials	13.60
Cellulosics	0.44
Rubber	0.53
Plastics	86.81
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.22E-01
Np-237	1.51E-07
Pu-238	2.44E-02
Pu-239	7.70E-01
Pu-240	1.72E-01
Pu-241	1.62E+00
Pu-242	1.81E-05
Th-229	1.99E-09
Th-230	1.09E-10
Th-232	2.02E-18
U-233	5.30E-06
U-234	3.17E-06
U-235	7.28E-07
U-236	2.04E-08
U-238	1.20E-06

Haz. Waste No(s).

D006, D007, D008, D009, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-INW211.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW211.001-S	299.9
55-gal Drum Dir Ld w/o Liner	INW211.001-S	0.2
SWB w/ 4 - 55-gal Drums w/ Liners	INW211.001-S	3.8
Emplaced Total		303.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.05
Aluminum-based Metals/Alloys	8.60
Other Metals	0.41
Other Inorganic Materials	22.38
Cellulosics	136.35
Rubber	0.08
Plastics	7.29
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	131.80
Packaging Material, Plastic	36.72
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.41E+00
Np-237	2.99E-06
Pu-238	4.37E-01
Pu-239	1.20E+01
Pu-240	2.67E+00
Pu-241	3.21E+01
Pu-242	4.62E-04
Th-229	1.60E-08
Th-230	5.35E-10
Th-232	3.13E-17
U-233	4.26E-05
U-234	1.74E-05
U-235	3.14E-06
U-236	3.17E-07
U-238	4.84E-06

Haz. Waste No(s).

D005, D007, D008, D009, D011, D022, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

119/219

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-INW216.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW216.001-S	1227.4
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	INW216.001-S	0.6
SWB Dir Ld w/o Liner	INW216.001-S	11.3
SWB w/ 4 - 55-gal Drums w/ Liners	INW216.001-S	5.7
Emplaced Total		1245.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	0.08
Other Inorganic Materials	12.65
Cellulosics	0.19
Rubber	0.01
Plastics	0.53
Cements	0.00
Inorganic Matrix	829.38
Organic Matrix	0.18
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	131.41
Packaging Material, Plastic	36.56
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.58E+01
Np-237	7.45E-05
Pu-238	9.01E-02
Pu-239	2.62E+00
Pu-240	5.88E-01
Pu-241	6.53E+00
Pu-242	9.49E-05
Th-229	1.26E-08
Th-230	2.25E-08
Th-232	1.08E-17
U-233	2.69E-05
U-234	5.00E-04
U-235	8.28E-05
U-236	8.72E-08
U-238	3.12E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211, 116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 23

Waste Stream ID: WP-INW218.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW218.001-S	833.0
SWB Dir Ld w/o Liner	INW218.001-S	275.9
SWB w/ 4 - 55-gal Drums w/ Liners	INW218.001-S	1.9
Emplaced Total		1110.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	16.30
Cellulosics	0.16
Rubber	0.01
Plastics	1.25
Cements	0.00
Inorganic Matrix	753.19
Organic Matrix	0.19
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	136.58
Packaging Material, Plastic	27.77
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.45E-01
Np-237	1.20E-06
Pu-238	1.51E-02
Pu-239	4.48E-01
Pu-240	1.00E-01
Pu-241	1.10E+00
Pu-242	1.53E-05
Th-229	4.70E-09
Th-230	3.74E-08
Th-232	1.83E-18
U-233	1.00E-05
U-234	8.32E-04
U-235	9.20E-05
U-236	1.48E-08
U-238	7.87E-03

Haz. Waste No(s).

D006, D007, D008, D009, D010, D011, D032, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211, 116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-INW222.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW222.001-S	65.1
Emplaced Total		65.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.03
Other Inorganic Materials	0.76
Cellulosics	0.04
Rubber	0.00
Plastics	16.36
Cements	0.00
Inorganic Matrix	566.62
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.10E-01
Np-237	1.01E-06
Pu-238	1.53E-01
Pu-239	4.36E+00
Pu-240	9.80E-01
Pu-241	1.00E+01
Pu-242	1.14E-04
Th-229	1.05E-15
Th-230	5.05E-10
Th-232	1.15E-17
U-233	8.44E-12
U-234	1.49E-05
U-235	1.62E-06
U-236	1.16E-07
U-238	1.08E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

111/211, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-INW243.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW243.001-S	73.8
55-gal Drum Dir Ld w/o Liner	INW243.001-S	1.0
Emplaced Total		74.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.37
Aluminum-based Metals/Alloys	0.01
Other Metals	11.00
Other Inorganic Materials	163.61
Cellulosics	0.58
Rubber	0.10
Plastics	23.80
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	36.49
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.88E-01
Np-237	1.55E-06
Pu-238	1.37E-01
Pu-239	3.16E+00
Pu-240	7.07E-01
Pu-241	7.68E+00
Pu-242	9.10E-05
Th-229	1.55E-08
Th-230	1.15E-09
Th-232	1.29E-17
U-233	3.30E-05
U-234	2.65E-05
U-235	5.99E-06
U-236	1.05E-07
U-238	4.24E-06

Haz. Waste No(s).

D005, D008, D009, D022, F001, F002, F005

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-INW247.001R1

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW247.001R1-S	112.7
55-gal Drum Dir Ld w/o Liner	INW247.001R1-S	4.2
Emplaced Total		116.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.15
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	233.57
Cellulosics	19.55
Rubber	0.00
Plastics	1.28
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	35.68
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.32E-01
Np-237	1.13E-06
Pu-238	2.09E-01
Pu-239	3.55E+00
Pu-240	8.10E-01
Pu-241	8.98E+00
Pu-242	6.77E-05
Th-229	3.02E-08
Th-230	7.74E-11
Th-232	1.48E-17
U-233	6.45E-05
U-234	3.22E-06
U-235	6.88E-08
U-236	1.20E-07
U-238	5.11E-14

Haz. Waste No(s).

D008, F001, F002

TRUCON Code(s)

118/218, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-INW252.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5311	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW252.001-S	60.9
Emplaced Total		60.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	207.33
Other Inorganic Materials	4.03
Cellulosics	0.10
Rubber	208.17
Plastics	3.38
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.64E-01
Np-237	1.05E-06
Pu-238	1.98E-01
Pu-239	4.95E+00
Pu-240	1.12E+00
Pu-241	1.74E+01
Pu-242	1.12E-04
Th-229	1.07E-15
Th-230	4.96E-10
Th-232	1.32E-17
U-233	8.67E-12
U-234	1.49E-05
U-235	3.71E-06
U-236	1.33E-07
U-238	6.75E-14

Haz. Waste No(s).

D008, D022, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

123/223

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 28

Waste Stream ID: WP-INW276.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW276.001-S	10.2
Emplaced Total		10.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	329.28
Cellulosics	4.61
Rubber	0.00
Plastics	3.73
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.32E-01
Np-237	1.37E-06
Pu-238	2.26E-01
Pu-239	3.12E+00
Pu-240	7.11E-01
Pu-241	7.96E+00
Pu-242	6.42E-05
Th-229	6.91E-15
Th-230	2.45E-10
Th-232	4.22E-17
U-233	2.52E-11
U-234	5.98E-06
U-235	5.33E-08
U-236	1.90E-07
U-238	8.72E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 29

Waste Stream ID: WP-INW276.002

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW276.002-S	16.0
Emplaced Total		16.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	320.62
Cellulosics	8.74
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.34E-01
Np-237	1.24E-06
Pu-238	2.17E-01
Pu-239	2.98E+00
Pu-240	6.79E-01
Pu-241	7.95E+00
Pu-242	6.13E-05
Th-229	3.42E-08
Th-230	1.99E-10
Th-232	3.18E-17
U-233	4.56E-05
U-234	5.28E-06
U-235	7.10E-08
U-236	1.61E-07
U-238	7.40E-14

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 30

Waste Stream ID: WP-INW276.003

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW276.003-S	182.6
55-gal Drum Dir Ld w/o Liner	INW276.003-S	4.0
Emplaced Total		186.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.04
Aluminum-based Metals/Alloys	0.00
Other Metals	0.04
Other Inorganic Materials	329.25
Cellulosics	8.62
Rubber	0.00
Plastics	1.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	36.22
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.69E+00
Np-237	3.01E-06
Pu-238	6.91E-01
Pu-239	9.25E+00
Pu-240	2.11E+00
Pu-241	2.76E+01
Pu-242	1.96E-04
Th-229	1.57E-07
Th-230	3.77E-10
Th-232	5.56E-17
U-233	2.79E-04
U-234	1.29E-05
U-235	2.65E-07
U-236	3.75E-07
U-238	6.00E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 31

Waste Stream ID: **WP-INW276.004**

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW276.004-S	42.4
55-gal Drum Dir Ld w/o Liner	INW276.004-S	4.4
Emplaced Total		46.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.25
Aluminum-based Metals/Alloys	0.00
Other Metals	0.17
Other Inorganic Materials	327.99
Cellulosics	2.14
Rubber	0.00
Plastics	3.07
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	33.55
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.64E+00
Np-237	2.97E-06
Pu-238	5.76E-01
Pu-239	7.84E+00
Pu-240	1.79E+00
Pu-241	2.30E+01
Pu-242	1.63E-04
Th-229	5.45E-07
Th-230	4.32E-10
Th-232	4.71E-17
U-233	9.69E-04
U-234	1.30E-05
U-235	6.52E-07
U-236	3.18E-07
U-238	1.48E-13

Haz. Waste No(s).

D008, D029, D040, F001, F002, F005

TRUCON Code(s)

115/215, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 32

Waste Stream ID: WP-INW296.001

Appendix B

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Lead/Cadmium Metal Wast	**Waste Matrix Code**	S5112	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	INW296.001-S	93.2
55-gal Drum Dir Ld w/o Liner	INW296.001-S	4.6
Emplaced Total		97.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.43
Aluminum-based Metals/Alloys	0.39
Other Metals	220.74
Other Inorganic Materials	11.39
Cellulosics	0.93
Rubber	1.78
Plastics	4.31
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	35.27
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.56E+00
Np-237	2.44E-06
Pu-238	2.94E-01
Pu-239	5.25E+00
Pu-240	1.19E+00
Pu-241	1.34E+01
Pu-242	1.13E-04
Th-229	4.86E-08
Th-230	4.05E-10
Th-232	2.18E-17
U-233	1.04E-04
U-234	1.11E-05
U-235	1.58E-06
U-236	1.76E-07
U-238	4.05E-06

Haz. Waste No(s).

D006, D007, D008, D009, D011, D028, F001, F002, F003, F005, F006, F007, F009

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - IN - 33

Waste Stream ID: WP-LA-MHD01.001

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	LA-MHD01.001-S	186.4
55-gal Drum Dir Ld w/o Liner	LA-MHD01.001-S	215.9
SWB w/ 4 - 55-gal Drums w/ Liners	LA-MHD01.001-S	77.5
SWB w/ 4 - 55-gal Drums w/o Liners	LA-MHD01.001-S	7.6
Emplaced Total		487.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	89.93
Aluminum-based Metals/Alloys	0.32
Other Metals	10.63
Other Inorganic Materials	54.57
Cellulosics	7.46
Rubber	10.79
Plastics	33.73
Cements	0.00
Inorganic Matrix	1.28
Organic Matrix	0.05
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	144.81
Packaging Material, Plastic	16.74
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.99E+00
Am-243	1.73E-03
Cm-244	6.49E-03
Cs-137	1.52E-06
Np-237	3.42E-04
Pu-238	7.98E+00
Pu-239	8.45E+01
Pu-240	3.96E+00
Pu-241	5.51E+02
Pu-242	2.98E-03
Sr-90	2.01E-03
Th-229	9.79E-08
Th-230	1.74E-05
Th-232	9.27E-09
U-233	1.04E-03
U-234	1.47E-03
U-235	4.78E-06
U-236	1.17E-07
U-238	4.51E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F005

TRUCON Code(s)

116/216, 117/217, 123/223, 125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-LA-MHD02.001

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	LA-MHD02.001-S	5.0
55-gal Drum Dir Ld w/o Liner	LA-MHD02.001-S	8.5
Emplaced Total		13.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	78.72
Aluminum-based Metals/Alloys	0.00
Other Metals	3.17
Other Inorganic Materials	17.11
Cellulosics	3.40
Rubber	25.27
Plastics	31.33
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	13.66
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.32E-01
Am-243	2.96E-06
Cs-137	1.80E-07
Np-237	6.12E-06
Pu-238	1.32E+02
Pu-239	1.03E-01
Pu-240	5.19E-02
Pu-241	5.04E-01
Pu-242	5.31E-05
Sr-90	1.81E-07
U-233	1.89E-07
U-234	2.45E-02
U-235	4.68E-08

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F005

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: **WP-LA-MHD03.001**

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	LA-MHD03.001-S	0.2
55-gal Drum Dir Ld w/o Liner	LA-MHD03.001-S	46.8
Emplaced Total		47.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.76
Aluminum-based Metals/Alloys	0.00
Other Metals	1.79
Other Inorganic Materials	29.17
Cellulosics	19.46
Rubber	1.31
Plastics	56.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.16
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.20E-01
Am-243	6.60E-05
Cs-137	4.12E-05
Np-237	6.28E-05
Pu-238	1.20E+00
Pu-239	5.33E-01
Pu-240	1.51E-01
Pu-241	2.41E+00
Pu-242	5.47E-05
Sr-90	4.12E-05
U-234	1.60E-04
U-235	5.30E-07
U-238	3.20E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D026, D027, D028, D029, D030, D035, D036, D037, D038, D039, D040, D043, F001, F002, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-LA-MIN03-NC.001

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	LA-MIN03-NC.001-S	235.5
SWB w/ 4 - 55-gal Drums w/ Liners	LA-MIN03-NC.001-S	13.2
Emplaced Total		248.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.94
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.68
Cellulosics	0.00
Rubber	0.00
Plastics	3.86
Cements	0.00
Inorganic Matrix	718.04
Organic Matrix	1.34
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	135.07
Packaging Material, Plastic	35.90
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.39E-01
Am-243	1.18E-06
Cs-137	1.45E-04
Np-237	7.42E-06
Pu-238	2.44E-02
Pu-239	4.33E-01
Pu-240	6.34E-02
Pu-241	1.03E+00
Pu-242	6.36E-05
Sr-90	1.10E-04
Th-229	7.28E-14
Th-230	3.45E-10
Th-232	4.64E-20
U-233	7.92E-10
U-234	3.84E-05
U-235	9.88E-07
U-236	1.88E-09
U-238	3.19E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D037, F001, F002, F004, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-LA-OS-00-01

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5100
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/o Liner	LA-OS-00-01-S	0.4
Emplaced Total		0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	130.77
Aluminum-based Metals/Alloys	0.00
Other Metals	0.96
Other Inorganic Materials	0.00
Cellulosics	137.50
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.30E+00
Cs-137	6.32E-04
Np-237	3.65E-05
Pu-238	4.20E+00
Pu-239	1.15E+01
Pu-240	1.17E+01
Pu-241	1.41E+01
Pu-242	2.32E-04
Sr-90	5.91E-04
Th-229	9.89E-14
Th-230	2.24E-01
Th-232	1.37E-16
U-233	5.51E-10
U-234	4.84E-05
U-235	4.53E-08
U-236	1.39E-06
U-238	1.40E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

120/220

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-LA-OS-00-01.001

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5100
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	LA-OS-00-01.001-S	60.9
55-gal S100 POC - 6" w/ Liner	LA-OS-00-01.001-S	14.8
Emplaced Total		75.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	18.96
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	487.08
Packaging Material, Plastic	168.86
Packaging Material, Cellulosics	124.28
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.34E+00
Cs-137	2.05E-03
Pu-238	8.56E+01
Pu-239	9.20E+00
Pu-240	2.76E+00
Pu-241	9.30E+00
Pu-242	7.47E-04
Sr-90	1.76E-03
U-233	3.09E-09
U-234	7.17E-03
U-235	3.83E-07
U-238	1.30E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

120/220

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-LA-TA-55-19.01

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	LA-TA-55-19.01-S	0.2
55-gal Drum Dir Ld w/o Liner	LA-TA-55-19.01-S	5.6
SWB Dir Ld w/o Liner	LA-TA-55-19.01-S	75.6
Emplaced Total		81.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	51.12
Aluminum-based Metals/Alloys	0.03
Other Metals	0.10
Other Inorganic Materials	0.27
Cellulosics	6.20
Rubber	2.18
Plastics	26.49
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	151.88
Packaging Material, Plastic	0.09
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.02E-01
Am-243	5.37E-05
Cs-137	1.13E-08
Np-237	4.87E-05
Pu-238	2.49E-01
Pu-239	3.06E+00
Pu-240	7.56E-01
Pu-241	7.48E+00
Pu-242	2.05E-03
Th-229	3.45E-13
Th-230	4.19E-07
Th-232	1.99E-17
U-233	1.23E-09
U-234	1.45E-03
U-235	2.80E-06
U-236	1.34E-07
U-238	4.75E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

116/216, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-LA-TA-55-19.02

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	LA-TA-55-19.02-S	16.0
55-gal Drum Dir Ld w/o Liner	LA-TA-55-19.02-S	171.4
SWB Dir Ld w/o Liner	LA-TA-55-19.02-S	13.2
SWB w/ 4 - 55-gal Drums w/ Liners	LA-TA-55-19.02-S	1.9
SWB w/ 4 - 55-gal Drums w/o Liners	LA-TA-55-19.02-S	26.5
Emplaced Total		229.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.64
Aluminum-based Metals/Alloys	0.02
Other Metals	0.66
Other Inorganic Materials	3.05
Cellulosics	39.08
Rubber	4.67
Plastics	62.20
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.03
Soils/gravel	0.18
Vitrified	0.00
Packaging Material, Steel	142.05
Packaging Material, Plastic	2.72
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.63E+00
Am-243	3.38E-04
Cs-137	2.42E-06
Np-237	9.45E-05
Pu-238	8.91E-01
Pu-239	3.57E+00
Pu-240	9.97E-01
Pu-241	1.39E+01
Pu-242	5.43E-03
Sr-90	2.25E-06
Th-229	7.44E-09
Th-230	7.46E-06
Th-232	8.99E-08
U-233	1.98E-05
U-234	3.52E-03
U-235	4.17E-06
U-236	1.18E-07
U-238	6.67E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

116/216, 125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-LA-TA-55-30

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	LA-TA-55-30-S	10.6
55-gal Drum Dir Ld w/o Liner	LA-TA-55-30-S	79.0
SWB w/ 4 - 55-gal Drums w/o Liners	LA-TA-55-30-S	5.7
Emplaced Total		95.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	213.70
Aluminum-based Metals/Alloys	0.41
Other Metals	2.45
Other Inorganic Materials	18.28
Cellulosics	11.63
Rubber	1.41
Plastics	14.23
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.75
Vitrified	0.00
Packaging Material, Steel	135.58
Packaging Material, Plastic	4.12
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.21E+00
Am-243	6.83E-05
Cs-137	8.63E-05
Np-237	8.27E-05
Pu-238	4.74E-01
Pu-239	2.59E+00
Pu-240	7.30E-01
Pu-241	8.66E+00
Pu-242	6.28E-04
Sr-90	8.60E-05
Th-229	4.67E-08
Th-230	4.69E-09
Th-232	3.44E-07
U-233	9.96E-05
U-234	1.08E-04
U-235	2.28E-06
U-236	1.08E-07
U-238	5.85E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, F003, F005

TRUCON Code(s)

116/216, 117/217, 125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-LA-TA-55-43.01

Appendix B

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB Dir Ld w/o Liner	LA-TA-55-43.01-S	190.9
Emplaced Total		190.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	45.68
Aluminum-based Metals/Alloys	0.11
Other Metals	0.38
Other Inorganic Materials	0.13
Cellulosics	1.22
Rubber	0.19
Plastics	8.86
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.70E-03
Am-243	7.54E-08
Np-237	2.03E-07
Pu-238	2.80E+00
Pu-239	2.44E-03
Pu-240	4.00E-03
Pu-241	2.86E-02
Pu-242	2.79E-06
Th-229	2.56E-15
Th-230	1.50E-08
Th-232	2.40E-08
U-233	6.87E-12
U-234	2.41E-04
U-235	1.93E-11
U-236	9.50E-10
U-238	3.37E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-BLCHDN.001

Appendix B

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	BLCHDN.001-S	0.2
55-gal Drum Dir Ld w/o Liner	BLCHDN.001-S	1.5
Emplaced Total		1.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	61.42
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	13.70
Cellulosics	5.41
Rubber	1.80
Plastics	40.99
Cements	0.00
Inorganic Matrix	11.12
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	4.63
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.58E-02
Am-243	1.34E-03
Cm-244	1.22E-01
Np-237	5.38E-04
Pu-238	5.28E-02
Pu-239	2.19E-07
Pu-240	2.69E-05
Pu-241	1.47E-05
Th-229	4.40E-13
Th-230	2.73E-12
Th-232	2.68E-23
U-233	4.69E-09
U-234	3.02E-07
U-235	2.17E-16
U-236	8.07E-13

Haz. Waste No(s).

F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-LL-M001-S5400

Appendix B

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	LL-M001-S5400-S	136.4
55-gal Drum Dir Ld w/o Liner	LL-M001-S5400-S	2.9
SWB w/ 4 - 55-gal Drums w/ Liners	LL-M001-S5400-S	3.8
Emplaced Total		143.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	88.62
Aluminum-based Metals/Alloys	2.36
Other Metals	3.76
Other Inorganic Materials	7.07
Cellulosics	5.01
Rubber	11.09
Plastics	57.87
Cements	0.00
Inorganic Matrix	14.54
Organic Matrix	3.08
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	132.92
Packaging Material, Plastic	35.70
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.03E+00
Am-243	9.47E-05
Cm-244	2.21E-01
Cs-137	1.47E-07
Np-237	5.10E-04
Pu-238	2.51E+00
Pu-239	4.18E+00
Pu-240	1.17E+00
Pu-241	1.51E+01
Pu-242	2.21E-04
Sr-90	1.45E-07
Th-229	4.16E-13
Th-230	2.48E-09
Th-232	3.44E-18
U-233	4.44E-09
U-234	1.45E-04
U-235	3.47E-06
U-236	6.97E-08
U-238	2.47E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D035, D040, F001, F002, F005

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - LL - 2

Waste Stream ID: WP-NTLBL-S5400

Appendix B

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	NTLBL-S5400-S	1.2
55-gal Drum Dir Ld w/o Liner	NTLBL-S5400-S	0.4
Emplaced Total		1.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	68.85
Aluminum-based Metals/Alloys	0.00
Other Metals	19.04
Other Inorganic Materials	35.81
Cellulosics	8.37
Rubber	4.61
Plastics	18.87
Cements	0.00
Inorganic Matrix	1.74
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	27.75
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.29E-01
Am-243	3.49E-03
Cm-244	5.60E-01
Cs-137	3.18E-05
Np-237	4.06E-04
Pu-238	8.86E-02
Pu-239	4.04E-01
Pu-240	9.15E-02
Pu-241	2.12E+00
Pu-242	1.27E-05
Sr-90	3.18E-05
Th-229	8.30E-14
Th-230	1.14E-12
Th-232	6.70E-20
U-233	1.77E-09
U-234	2.52E-07
U-235	3.99E-10
U-236	2.71E-09
U-238	1.92E-15

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, F001, F002, F003, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - NT - 1

Waste Stream ID: WP-NTLRC-S5400

Appendix B

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	NTLRC-S5400-S	3.1
Emplaced Total		3.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	48.02
Aluminum-based Metals/Alloys	10.80
Other Metals	9.85
Other Inorganic Materials	18.63
Cellulosics	26.85
Rubber	31.38
Plastics	73.04
Cements	0.00
Inorganic Matrix	9.45
Organic Matrix	0.57
Soils/gravel	0.17
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.52E+00
Am-243	1.13E-05
Cs-137	3.68E-07
Np-237	7.83E-05
Pu-238	1.86E-01
Pu-239	2.31E+00
Pu-240	8.47E-01
Pu-241	1.12E+01
Pu-242	9.39E-05
Sr-90	3.67E-07
Th-229	1.59E-14
Th-230	1.28E-08
Th-232	6.20E-19
U-233	3.40E-10
U-234	1.42E-03
U-235	4.74E-05
U-236	2.51E-08
U-238	3.37E-05

Haz. Waste No(s).

D005, D008, D009, D011, D019, D035, D040, F001, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-NT-RF-BERYLLIUM

Appendix B

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	NT-RF-BERYLLIUM-S	29.3
Emplaced Total		29.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.88
Aluminum-based Metals/Alloys	4.01
Other Metals	158.30
Other Inorganic Materials	1.17
Cellulosics	8.92
Rubber	0.09
Plastics	15.77
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.29E-01
Am-243	3.13E-08
Np-237	1.35E-06
Pu-238	3.26E-02
Pu-239	8.28E-01
Pu-240	1.88E-01
Pu-241	1.54E+00
Pu-242	1.47E-05
Th-229	1.90E-08
Th-230	2.77E-10
Th-232	1.38E-19
U-233	2.03E-04
U-234	3.08E-05
U-235	6.11E-07
U-236	5.57E-09
U-238	7.89E-06

Haz. Waste No(s).

D007, F002

TRUCON Code(s)

125/225, 133/233

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-NT-RF-GRAPHITE

Appendix B

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	NT-RF-GRAPHITE-S	3.7
Emplaced Total		3.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.32
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	291.08
Cellulosics	2.30
Rubber	0.61
Plastics	12.55
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.72E-01
Np-237	8.36E-06
Pu-238	3.22E-01
Pu-239	1.04E+01
Pu-240	1.92E+00
Pu-241	1.81E+01
Pu-242	1.40E-04
Th-229	1.67E-15
Th-230	1.41E-10
Th-232	1.41E-18
U-233	3.58E-11
U-234	1.61E-05
U-235	1.02E-08
U-236	5.71E-08
U-238	7.58E-06

Haz. Waste No(s).

D008

TRUCON Code(s)

115/215, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-NT-RF-METAL

Appendix B

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	NT-RF-METAL-S	5.6
55-gal Drum Dir Ld w/o Liner	NT-RF-METAL-S	0.4
Emplaced Total		6.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	166.64
Aluminum-based Metals/Alloys	25.59
Other Metals	4.59
Other Inorganic Materials	0.24
Cellulosics	7.26
Rubber	0.65
Plastics	21.28
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	34.45
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.12E-01
Am-243	4.51E-07
Np-237	1.86E-06
Pu-238	3.56E-02
Pu-239	1.12E+00
Pu-240	2.77E-01
Pu-241	2.65E+00
Pu-242	2.24E-05
Th-229	3.76E-16
Th-230	6.65E-08
Th-232	2.03E-19
U-233	8.05E-12
U-234	7.39E-03
U-235	4.54E-06
U-236	8.21E-09
U-238	3.70E-03

No Hazardous Waste Numbers Provided

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-NTS54332R0

Appendix B

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	NTS54332R0-S	235.0
55-gal Drum Dir Ld w/o Liner	NTS54332R0-S	47.6
SWB w/ 4 - 55-gal Drums w/ Liners	NTS54332R0-S	24.6
Emplaced Total		307.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	45.13
Aluminum-based Metals/Alloys	2.90
Other Metals	3.84
Other Inorganic Materials	6.28
Cellulosics	13.22
Rubber	11.05
Plastics	46.10
Cements	0.00
Inorganic Matrix	10.47
Organic Matrix	3.40
Soils/gravel	0.08
Vitrified	0.00
Packaging Material, Steel	137.22
Packaging Material, Plastic	29.61
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.89E-01
Am-243	4.23E-05
Cm-244	9.95E-03
Cs-137	7.92E-07
Np-237	4.64E-05
Pu-238	8.22E-02
Pu-239	1.20E+00
Pu-240	3.14E-01
Pu-241	3.62E+00
Pu-242	3.38E-05
Sr-90	8.08E-07
Th-229	1.33E-07
Th-230	1.63E-09
Th-232	9.21E-19
U-233	7.08E-04
U-234	9.08E-05
U-235	3.25E-03
U-236	1.86E-08
U-238	3.29E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D040, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-NTS54COMR0

Appendix B

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	NTS54COMR0-S	39.5
55-gal Drum Dir Ld w/o Liner	NTS54COMR0-S	8.9
SWB w/ 4 - 55-gal Drums w/ Liners	NTS54COMR0-S	1.9
Emplaced Total		50.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	50.86
Aluminum-based Metals/Alloys	4.45
Other Metals	5.66
Other Inorganic Materials	8.36
Cellulosics	20.52
Rubber	12.84
Plastics	55.40
Cements	0.00
Inorganic Matrix	3.71
Organic Matrix	0.66
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	133.81
Packaging Material, Plastic	29.65
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.77E-01
Am-243	4.16E-04
Cm-244	5.10E-01
Cs-137	1.68E-06
Np-237	9.65E-05
Pu-238	4.28E-01
Pu-239	1.02E+00
Pu-240	2.42E-01
Pu-241	2.50E+00
Pu-242	3.66E-05
Sr-90	1.68E-06
Th-229	9.73E-07
Th-230	7.46E-10
Th-232	7.10E-19
U-233	5.19E-03
U-234	4.27E-05
U-235	2.62E-07
U-236	1.44E-08
U-238	1.75E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D040, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-NTS54MIX1R0

Appendix B

TRU Waste Inventory Profile Report

Site	Nevada Test Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	NTS54MIX1R0-S	0.4
Emplaced Total		0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	33.89
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	2.40
Cellulosics	38.46
Rubber	41.59
Plastics	38.46
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.14E-03
Am-243	2.30E-04
Cs-137	1.81E-04
Np-237	1.90E-06
Pu-238	9.76E-04
Pu-239	6.96E-02
Pu-240	1.67E-02
Pu-241	5.70E-02
Pu-242	1.64E-06
Th-229	6.03E-15
Th-230	2.03E-13
Th-232	1.96E-19
U-233	3.22E-11
U-234	1.12E-08
U-235	2.74E-10
U-236	1.99E-09
U-238	9.90E-16

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D040, F001, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-RF001.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF001.01-S	745.1
55-gal Drum Dir Ld w/o Liner	RF001.01-S	92.4
SWB Dir Ld w/o Liner	RF001.01-S	100.2
SWB w/ 4 - 55-gal Drums w/ Liners	RF001.01-S	37.8
SWB w/ 4 - 55-gal Drums w/o Liners	RF001.01-S	3.8
Emplaced Total		979.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.08
Aluminum-based Metals/Alloys	0.01
Other Metals	0.24
Other Inorganic Materials	2.65
Cellulosics	27.92
Rubber	0.74
Plastics	78.05
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.02
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	136.53
Packaging Material, Plastic	28.78
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.51E+00
Am-243	1.21E-06
Np-237	5.56E-05
Pu-238	1.49E-01
Pu-239	3.44E+00
Pu-240	7.99E-01
Pu-241	1.18E+01
Pu-242	1.20E-04
Th-229	4.33E-08
Th-230	1.10E-08
Th-232	2.11E-17
U-233	7.70E-05
U-234	2.06E-04
U-235	9.78E-06
U-236	1.42E-07
U-238	2.26E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF002.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF002.01-S	399.4
55-gal Drum Dir Ld w/o Liner	RF002.01-S	32.2
55-gal POC - 12" w/ Liner	RF002.01-S	13.7
SWB Dir Ld w/o Liner	RF002.01-S	984.7
SWB w/ 4 - 55-gal Drums w/ Liners	RF002.01-S	17.0
TDOP w/ 1 SWB w/o Liners	RF002.01-S	14.4
Emplaced Total		1461.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	230.79
Aluminum-based Metals/Alloys	1.27
Other Metals	10.50
Other Inorganic Materials	0.49
Cellulosics	7.19
Rubber	0.20
Plastics	4.84
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	151.65
Packaging Material, Plastic	10.65
Packaging Material, Cellulosics	1.29
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.49E-01
Am-243	7.24E-07
Cs-137	2.18E-07
Np-237	7.96E-06
Pu-238	1.48E-01
Pu-239	3.02E+00
Pu-240	7.10E-01
Pu-241	1.28E+01
Pu-242	8.39E-05
Th-229	7.01E-09
Th-230	4.00E-09
Th-232	1.30E-17
U-233	1.50E-05
U-234	9.01E-05
U-235	4.80E-06
U-236	1.05E-07
U-238	1.94E-04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

117/217, 131/231

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF003.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5126
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF003.01-S	65.9
55-gal Drum Dir Ld w/o Liner	RF003.01-S	0.4
55-gal POC - 12" w/ Liner	RF003.01-S	275.8
SWB w/ 4 - 55-gal Drums w/ Liners	RF003.01-S	9.5
SWB w/ 4 - 55-gal Drums w/o Liners	RF003.01-S	3.8
Emplaced Total		355.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.10
Aluminum-based Metals/Alloys	0.00
Other Metals	0.07
Other Inorganic Materials	70.17
Cellulosics	1.84
Rubber	0.00
Plastics	2.72
Cements	0.00
Inorganic Matrix	0.30
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	441.58
Packaging Material, Plastic	36.01
Packaging Material, Cellulosics	106.71
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.22E+00
Np-237	2.40E-05
Pu-238	1.48E+00
Pu-239	3.57E+01
Pu-240	8.63E+00
Pu-241	1.02E+02
Pu-242	8.25E-04
Th-229	1.60E-08
Th-230	2.99E-09
Th-232	2.28E-16
U-233	2.84E-05
U-234	6.82E-05
U-235	1.61E-06
U-236	1.54E-06
U-238	3.67E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

115/215

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-RF004.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF004.01-S	263.3
55-gal Drum Dir Ld w/o Liner	RF004.01-S	7.9
55-gal POC - 12" w/ Liner	RF004.01-S	2.3
SWB Dir Ld w/o Liner	RF004.01-S	1.9
SWB w/ 4 - 55-gal Drums w/ Liners	RF004.01-S	5.7
SWB w/ 4 - 55-gal Drums w/o Liners	RF004.01-S	1.9
Emplaced Total		283.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.60
Aluminum-based Metals/Alloys	0.02
Other Metals	0.46
Other Inorganic Materials	464.77
Cellulosics	11.91
Rubber	0.00
Plastics	4.75
Cements	0.00
Inorganic Matrix	0.04
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	136.30
Packaging Material, Plastic	35.06
Packaging Material, Cellulosics	1.11
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.20E-01
Am-243	3.12E-09
Np-237	5.12E-06
Pu-238	1.15E-01
Pu-239	2.43E+00
Pu-240	5.62E-01
Pu-241	1.11E+01
Pu-242	6.77E-05
Th-229	1.44E-14
Th-230	2.63E-09
Th-232	6.59E-18
U-233	7.93E-11
U-234	7.37E-05
U-235	2.34E-06
U-236	6.67E-08
U-238	2.66E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF005.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3141
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF005.01-S	119.4
Emplaced Total		119.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	19.04
Aluminum-based Metals/Alloys	0.00
Other Metals	3.07
Other Inorganic Materials	19.27
Cellulosics	0.00
Rubber	0.00
Plastics	1.73
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.43E+01
Np-237	1.36E-04
Pu-238	1.73E+00
Pu-239	4.01E+01
Pu-240	1.03E+01
Pu-241	6.77E+01
Pu-242	8.47E-04
Th-229	7.75E-13
Th-230	1.47E-09
Th-232	4.83E-16
U-233	2.72E-09
U-234	4.05E-05
U-235	9.97E-07
U-236	2.44E-06
U-238	1.02E-12

No Hazardous Waste Numbers Provided

TRUCON Code(s)

124/224

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-RF005.02

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3141
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF005.02-S	78.4
Emplaced Total		78.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.92
Aluminum-based Metals/Alloys	0.00
Other Metals	0.23
Other Inorganic Materials	27.49
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.23E+01
Np-237	2.17E-04
Pu-238	1.55E+00
Pu-239	3.70E+01
Pu-240	9.73E+00
Pu-241	5.68E+01
Pu-242	8.23E-04
Th-229	9.07E-13
Th-230	1.49E-09
Th-232	3.49E-16
U-233	3.70E-09
U-234	3.94E-05
U-235	5.02E-07
U-236	2.02E-06
U-238	2.19E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

124/224

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-RF006.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF006.01-S	2.7
55-gal POC - 12" w/ Liner	RF006.01-S	233.0
Emplaced Total		235.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.48
Aluminum-based Metals/Alloys	0.00
Other Metals	0.06
Other Inorganic Materials	32.83
Cellulosics	0.03
Rubber	0.00
Plastics	0.67
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	522.85
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	135.92
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.26E+00
Np-237	4.31E-05
Pu-238	1.95E+00
Pu-239	3.91E+01
Pu-240	9.45E+00
Pu-241	1.28E+02
Pu-242	1.26E-03
Th-229	9.89E-13
Th-230	7.85E-09
Th-232	1.36E-15
U-233	1.76E-09
U-234	1.03E-04
U-235	1.35E-06
U-236	3.93E-06
U-238	5.89E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-RF008.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF008.01-S	4.4
55-gal Drum Dir Ld w/o Liner	RF008.01-S	0.2
55-gal POC - 12" w/ Liner	RF008.01-S	90.7
SWB w/ 4 - 55-gal Drums w/ Liners	RF008.01-S	1.9
Emplaced Total		97.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.36
Aluminum-based Metals/Alloys	0.10
Other Metals	1.39
Other Inorganic Materials	56.30
Cellulosics	0.36
Rubber	0.00
Plastics	1.05
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	502.57
Packaging Material, Plastic	36.52
Packaging Material, Cellulosics	128.35
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.76E+00
Np-237	1.57E-04
Pu-238	2.03E+00
Pu-239	3.49E+01
Pu-240	9.58E+00
Pu-241	1.11E+02
Pu-242	1.40E-03
Th-229	1.41E-12
Th-230	1.49E-09
Th-232	3.44E-16
U-233	4.39E-09
U-234	4.42E-05
U-235	5.23E-07
U-236	1.99E-06
U-238	7.76E-10

No Hazardous Waste Numbers Provided

TRUCON Code(s)

118/218

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF009.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Salt Waste	**Waste Matrix Code**	S3141	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF009.01-S	3.3
55-gal Drum Dir Ld w/o Liner	RF009.01-S	8.5
55-gal POC - 12" w/ Liner	RF009.01-S	1311.2
SWB w/ 4 - 55-gal Drums w/o Liners	RF009.01-S	3.8
Emplaced Total		1326.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.46
Aluminum-based Metals/Alloys	0.00
Other Metals	4.01
Other Inorganic Materials	17.82
Cellulosics	0.04
Rubber	0.00
Plastics	0.93
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	522.96
Packaging Material, Plastic	36.66
Packaging Material, Cellulosics	135.88
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.05E+01
Np-237	3.62E-04
Pu-238	1.48E+00
Pu-239	4.14E+01
Pu-240	1.03E+01
Pu-241	7.18E+01
Pu-242	1.03E-03
Th-229	2.15E-12
Th-230	1.09E-09
Th-232	2.71E-16
U-233	8.05E-09
U-234	3.29E-05
U-235	4.76E-07
U-236	1.83E-06
U-238	2.05E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

124/224, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF010.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF010.01-S	274.6
55-gal Drum Dir Ld w/o Liner	RF010.01-S	12.9
SWB Dir Ld w/o Liner	RF010.01-S	264.6
SWB w/ 4 - 55-gal Drums w/ Liners	RF010.01-S	62.4
SWB w/ 4 - 55-gal Drums w/o Liners	RF010.01-S	15.1
Emplaced Total		629.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	12.18
Aluminum-based Metals/Alloys	8.77
Other Metals	0.98
Other Inorganic Materials	8.04
Cellulosics	36.45
Rubber	3.69
Plastics	9.49
Cements	0.00
Inorganic Matrix	0.29
Organic Matrix	0.03
Soils/gravel	0.13
Vitrified	0.00
Packaging Material, Steel	150.22
Packaging Material, Plastic	17.75
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.24E+00
Am-243	6.52E-08
Np-237	1.21E-05
Pu-238	4.00E-01
Pu-239	9.94E+00
Pu-240	2.32E+00
Pu-241	2.96E+01
Pu-242	2.53E-04
Th-229	4.91E-14
Th-230	8.97E-09
Th-232	4.25E-17
U-233	2.22E-10
U-234	2.02E-04
U-235	6.38E-06
U-236	3.44E-07
U-238	5.68E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

119/219, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF011.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5129
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF011.01-S	49.5
55-gal Drum Dir Ld w/o Liner	RF011.01-S	1.7
SWB w/ 4 - 55-gal Drums w/ Liners	RF011.01-S	28.4
Emplaced Total		79.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.77
Aluminum-based Metals/Alloys	0.01
Other Metals	0.04
Other Inorganic Materials	17.84
Cellulosics	1.61
Rubber	0.00
Plastics	1.75
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	159.43
Packaging Material, Plastic	28.85
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.74E+00
Np-237	6.89E-06
Pu-238	7.91E-01
Pu-239	1.87E+01
Pu-240	4.50E+00
Pu-241	4.96E+01
Pu-242	3.85E-04
Th-229	1.47E-14
Th-230	4.85E-10
Th-232	5.27E-17
U-233	8.79E-11
U-234	1.80E-05
U-235	3.61E-07
U-236	5.33E-07
U-238	5.29E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF015.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF015.01-S	1.7
Emplaced Total		1.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	19.17
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	5.05
Cellulosics	12.98
Rubber	0.00
Plastics	1.62
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.03E+00
Np-237	5.03E-05
Pu-238	5.72E-01
Pu-239	1.13E+01
Pu-240	2.63E+00
Pu-241	5.84E+01
Pu-242	3.50E-04
Th-229	1.55E-13
Th-230	1.19E-10
Th-232	3.09E-17
U-233	8.33E-10
U-234	6.59E-06
U-235	4.45E-08
U-236	3.12E-07
U-238	2.11E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF029.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF029.01-S	13.9
55-gal Drum Dir Ld w/o Liner	RF029.01-S	2.7
55-gal POC - 12" w/ Liner	RF029.01-S	3.1
SWB Dir Ld w/o Liner	RF029.01-S	4316.8
SWB w/ 4 - 55-gal Drums w/o Liners	RF029.01-S	5.7
TDOP w/ 1 SWB w/o Liners	RF029.01-S	4.8
Emplaced Total		4347.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	168.14
Aluminum-based Metals/Alloys	1.51
Other Metals	0.58
Other Inorganic Materials	13.97
Cellulosics	17.24
Rubber	1.33
Plastics	30.02
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.03
Soils/gravel	0.16
Vitrified	0.00
Packaging Material, Steel	153.83
Packaging Material, Plastic	0.15
Packaging Material, Cellulosics	0.10
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.72E-01
Am-243	3.33E-07
Cs-137	6.15E-09
Np-237	5.57E-06
Pu-238	8.51E-02
Pu-239	1.58E+00
Pu-240	3.80E-01
Pu-241	8.89E+00
Pu-242	5.09E-05
Pu-244	2.38E-21
Sr-90	4.20E-11
Th-229	9.71E-15
Th-230	5.15E-10
Th-232	2.50E-18
U-233	7.00E-11
U-234	1.94E-05
U-235	6.10E-07
U-236	3.38E-08
U-238	2.89E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

121/221, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF031.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5313
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF031.01-S	15.2
55-gal Drum Dir Ld w/o Liner	RF031.01-S	5.0
55-gal POC - 12" w/ Liner	RF031.01-S	0.4
Emplaced Total		20.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.34
Aluminum-based Metals/Alloys	0.00
Other Metals	0.23
Other Inorganic Materials	1.10
Cellulosics	9.68
Rubber	0.00
Plastics	46.42
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	6.07
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	138.81
Packaging Material, Plastic	28.03
Packaging Material, Cellulosics	2.78
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.24E-01
Np-237	2.43E-06
Pu-238	1.13E-01
Pu-239	2.34E+00
Pu-240	5.42E-01
Pu-241	1.17E+01
Pu-242	6.42E-05
Th-229	1.85E-15
Th-230	7.87E-10
Th-232	1.59E-18
U-233	2.01E-11
U-234	4.41E-05
U-235	1.42E-06
U-236	3.21E-08
U-238	1.99E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

121/221, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - RF - 14

Waste Stream ID: WP-RF032.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5129
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF032.01-S	3.1
55-gal POC - 12" w/ Liner	RF032.01-S	206.1
Emplaced Total		209.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.54
Aluminum-based Metals/Alloys	0.00
Other Metals	0.23
Other Inorganic Materials	31.96
Cellulosics	0.04
Rubber	0.00
Plastics	0.06
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	521.49
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	135.45
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.09E+01
Np-237	1.18E-04
Pu-238	1.50E+00
Pu-239	4.12E+01
Pu-240	9.67E+00
Pu-241	9.07E+01
Pu-242	7.24E-04
Th-229	5.32E-13
Th-230	8.70E-10
Th-232	1.77E-16
U-233	2.33E-09
U-234	3.01E-05
U-235	4.75E-07
U-236	1.43E-06
U-238	2.41E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF033.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF033.01-S	12.1
55-gal Drum Dir Ld w/o Liner	RF033.01-S	1.7
55-gal POC - 12" w/ Liner	RF033.01-S	11.9
Emplaced Total		25.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	16.37
Aluminum-based Metals/Alloys	0.00
Other Metals	1.27
Other Inorganic Materials	109.77
Cellulosics	0.20
Rubber	0.00
Plastics	27.33
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.09
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	314.59
Packaging Material, Plastic	34.59
Packaging Material, Cellulosics	63.72
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.33E+00
Np-237	3.00E-05
Pu-238	1.36E+00
Pu-239	3.12E+01
Pu-240	7.29E+00
Pu-241	1.15E+02
Pu-242	7.19E-04
Th-229	8.42E-14
Th-230	7.23E-10
Th-232	8.54E-17
U-233	4.64E-10
U-234	2.79E-05
U-235	5.38E-07
U-236	8.65E-07
U-238	2.34E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF036.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5420
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF036.01-S	44.1
Emplaced Total		44.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.12
Aluminum-based Metals/Alloys	0.79
Other Metals	0.00
Other Inorganic Materials	488.73
Cellulosics	7.07
Rubber	0.00
Plastics	12.67
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.29
Soils/gravel	4.40
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.60E-01
Am-243	1.85E-06
Np-237	7.94E-06
Pu-238	3.08E-01
Pu-239	6.00E+00
Pu-240	1.40E+00
Pu-241	3.42E+01
Pu-242	1.85E-04
Th-229	6.16E-15
Th-230	1.02E-09
Th-232	4.10E-18
U-233	6.66E-11
U-234	5.75E-05
U-235	2.51E-06
U-236	8.31E-08
U-238	6.76E-05

No Hazardous Waste Numbers Provided

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF101.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF101.01-S	114.6
55-gal Drum Dir Ld w/o Liner	RF101.01-S	13.1
SWB Dir Ld w/o Liner	RF101.01-S	24.6
SWB w/ 4 - 55-gal Drums w/ Liners	RF101.01-S	22.7
Emplaced Total		175.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2.53
Aluminum-based Metals/Alloys	0.02
Other Metals	0.39
Other Inorganic Materials	15.34
Cellulosics	62.57
Rubber	1.27
Plastics	30.20
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.84
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	144.40
Packaging Material, Plastic	26.35
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.92E+00
Am-243	6.04E-06
Np-237	1.28E-05
Pu-238	4.64E-01
Pu-239	9.65E+00
Pu-240	2.26E+00
Pu-241	4.07E+01
Pu-242	2.64E-04
Th-229	3.58E-14
Th-230	8.65E-09
Th-232	2.65E-17
U-233	1.97E-10
U-234	2.43E-04
U-235	7.75E-06
U-236	2.68E-07
U-238	4.88E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D043, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF101.29

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF101.29-S	25.4
55-gal Drum Dir Ld w/o Liner	RF101.29-S	3.1
SWB Dir Ld w/o Liner	RF101.29-S	1.9
Emplaced Total		30.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.43
Aluminum-based Metals/Alloys	0.03
Other Metals	0.00
Other Inorganic Materials	12.48
Cellulosics	51.65
Rubber	5.43
Plastics	47.43
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	132.21
Packaging Material, Plastic	30.90
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.98E-01
Np-237	6.11E-06
Pu-238	2.54E-01
Pu-239	5.15E+00
Pu-240	1.20E+00
Pu-241	2.03E+01
Pu-242	1.39E-04
Th-229	2.55E-14
Th-230	8.24E-09
Th-232	2.19E-17
U-233	1.14E-10
U-234	1.85E-04
U-235	5.93E-06
U-236	1.78E-07
U-238	6.71E-06

Haz. Waste No(s).

F001

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF101.30

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF101.30-S	79.5
55-gal Drum Dir Ld w/o Liner	RF101.30-S	5.8
SWB Dir Ld w/o Liner	RF101.30-S	3.8
SWB w/ 4 - 55-gal Drums w/ Liners	RF101.30-S	24.6
SWB w/ 4 - 55-gal Drums w/o Liners	RF101.30-S	3.8
Emplaced Total		117.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.84
Aluminum-based Metals/Alloys	0.00
Other Metals	0.09
Other Inorganic Materials	2.31
Cellulosics	40.50
Rubber	0.80
Plastics	37.94
Cements	0.00
Inorganic Matrix	0.04
Organic Matrix	0.03
Soils/gravel	0.01
Vitrified	0.00
Packaging Material, Steel	150.92
Packaging Material, Plastic	28.45
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.06E+00
Am-243	2.67E-06
Np-237	2.18E-05
Pu-238	3.31E-01
Pu-239	7.49E+00
Pu-240	1.76E+00
Pu-241	2.64E+01
Pu-242	2.16E-04
Th-229	9.28E-14
Th-230	6.40E-09
Th-232	3.22E-17
U-233	4.13E-10
U-234	1.45E-04
U-235	4.55E-06
U-236	2.61E-07
U-238	1.57E-06

Haz. Waste No(s).

F001, F002

TRUCON Code(s)

116/216, 119/219

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF101.31

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF101.31-S	43.9
55-gal Drum Dir Ld w/o Liner	RF101.31-S	5.4
SWB Dir Ld w/o Liner	RF101.31-S	9.5
SWB w/ 4 - 55-gal Drums w/ Liners	RF101.31-S	3.8
Emplaced Total		62.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.86
Aluminum-based Metals/Alloys	0.00
Other Metals	0.12
Other Inorganic Materials	2.09
Cellulosics	65.86
Rubber	0.69
Plastics	43.00
Cements	0.00
Inorganic Matrix	0.02
Organic Matrix	0.02
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	139.09
Packaging Material, Plastic	26.96
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.09E+00
Am-243	2.18E-07
Np-237	5.34E-06
Pu-238	1.69E-01
Pu-239	3.74E+00
Pu-240	8.88E-01
Pu-241	1.26E+01
Pu-242	1.32E-04
Th-229	2.88E-14
Th-230	4.94E-09
Th-232	2.34E-17
U-233	1.11E-10
U-234	9.30E-05
U-235	2.94E-06
U-236	1.58E-07
U-238	1.33E-06

Haz. Waste No(s).

F001, F002, F005

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF101.35

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF101.35-S	51.2
55-gal Drum Dir Ld w/o Liner	RF101.35-S	17.1
SWB Dir Ld w/o Liner	RF101.35-S	3.8
SWB w/ 4 - 55-gal Drums w/ Liners	RF101.35-S	7.6
Emplaced Total		79.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.72
Aluminum-based Metals/Alloys	0.00
Other Metals	0.57
Other Inorganic Materials	2.66
Cellulosics	48.15
Rubber	0.47
Plastics	58.97
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	139.51
Packaging Material, Plastic	25.34
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.97E+00
Np-237	2.53E-05
Pu-238	3.75E-01
Pu-239	8.02E+00
Pu-240	1.87E+00
Pu-241	3.27E+01
Pu-242	2.62E-04
Th-229	1.11E-13
Th-230	4.79E-08
Th-232	3.43E-17
U-233	4.91E-10
U-234	1.07E-03
U-235	3.42E-05
U-236	2.78E-07
U-238	2.75E-06

Haz. Waste No(s).

F005

TRUCON Code(s)

116/216

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF102.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF102.01-S	45.3
55-gal Drum Dir Ld w/o Liner	RF102.01-S	0.6
SWB Dir Ld w/o Liner	RF102.01-S	175.8
SWB w/ 4 - 55-gal Drums w/ Liners	RF102.01-S	1.9
Emplaced Total		223.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	234.12
Aluminum-based Metals/Alloys	0.50
Other Metals	9.83
Other Inorganic Materials	1.88
Cellulosics	6.47
Rubber	0.25
Plastics	4.10
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	149.32
Packaging Material, Plastic	7.64
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.53E-01
Am-243	8.92E-07
Cs-137	4.50E-05
Np-237	6.48E-06
Pu-238	1.33E-01
Pu-239	2.56E+00
Pu-240	6.11E-01
Pu-241	1.32E+01
Pu-242	7.93E-05
Th-229	1.89E-14
Th-230	6.89E-10
Th-232	7.16E-18
U-233	1.03E-10
U-234	1.99E-05
U-235	6.19E-07
U-236	7.24E-08
U-238	1.78E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

117/217

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF102.31

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Lead/Cadmium Metal Wast	**Waste Matrix Code**	S5112	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF102.31-S	22.3
55-gal Drum Dir Ld w/o Liner	RF102.31-S	1.0
55-gal POC - 12" w/ Liner	RF102.31-S	0.6
SWB Dir Ld w/o Liner	RF102.31-S	96.4
SWB w/ 4 - 55-gal Drums w/ Liners	RF102.31-S	3.8
Emplaced Total		124.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	189.33
Aluminum-based Metals/Alloys	0.36
Other Metals	147.87
Other Inorganic Materials	0.16
Cellulosics	5.66
Rubber	1.89
Plastics	3.08
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	152.87
Packaging Material, Plastic	7.32
Packaging Material, Cellulosics	0.69
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.12E+00
Am-243	1.55E-07
Np-237	8.47E-06
Pu-238	1.11E-01
Pu-239	2.21E+00
Pu-240	5.24E-01
Pu-241	1.06E+01
Pu-242	6.82E-05
Th-229	2.40E-14
Th-230	2.32E-09
Th-232	6.14E-18
U-233	1.32E-10
U-234	6.51E-05
U-235	2.23E-06
U-236	6.21E-08
U-238	1.72E-05

Haz. Waste No(s).

D008

TRUCON Code(s)

117/217

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF104.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5122
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF104.01-S	35.2
55-gal Drum Dir Ld w/o Liner	RF104.01-S	2.1
55-gal POC - 12" w/ Liner	RF104.01-S	7.7
SWB Dir Ld w/o Liner	RF104.01-S	5.7
SWB w/ 4 - 55-gal Drums w/ Liners	RF104.01-S	1.9
SWB w/ 4 - 55-gal Drums w/o Liners	RF104.01-S	1.9
Emplaced Total		54.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.65
Aluminum-based Metals/Alloys	0.01
Other Metals	1.43
Other Inorganic Materials	213.89
Cellulosics	7.04
Rubber	0.06
Plastics	5.63
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	194.88
Packaging Material, Plastic	29.72
Packaging Material, Cellulosics	19.46
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.20E+00
Am-243	4.20E-06
Np-237	1.80E-05
Pu-238	2.98E-01
Pu-239	7.52E+00
Pu-240	1.77E+00
Pu-241	2.47E+01
Pu-242	1.72E-04
Th-229	3.05E-14
Th-230	4.52E-10
Th-232	1.17E-17
U-233	2.21E-10
U-234	1.80E-05
U-235	5.44E-07
U-236	1.58E-07
U-238	2.58E-06

Haz. Waste No(s).

D005, D008, D009, D022, F001, F002, F005

TRUCON Code(s)

118/218

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF107.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF107.01-S	63.4
Emplaced Total		63.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.17
Aluminum-based Metals/Alloys	0.00
Other Metals	0.73
Other Inorganic Materials	13.61
Cellulosics	0.00
Rubber	0.00
Plastics	1.11
Cements	0.00
Inorganic Matrix	776.54
Organic Matrix	11.45
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.14E+01
Np-237	2.48E-04
Pu-238	1.50E-01
Pu-239	3.01E+00
Pu-240	6.97E-01
Pu-241	1.68E+01
Pu-242	9.12E-05
Th-229	1.88E-13
Th-230	4.88E-09
Th-232	2.04E-18
U-233	2.05E-09
U-234	2.72E-04
U-235	1.75E-05
U-236	4.14E-08
U-238	9.43E-04

Haz. Waste No(s).

D006, D007, D008, D009, D011

TRUCON Code(s)

132/232

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF107.03

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF107.03-S	60.7
55-gal Drum Dir Ld w/o Liner	RF107.03-S	0.2
Emplaced Total		60.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.45
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	1.09
Cements	0.00
Inorganic Matrix	819.47
Organic Matrix	0.04
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	36.87
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.33E-01
Np-237	1.94E-06
Pu-238	1.92E-02
Pu-239	3.80E-01
Pu-240	8.84E-02
Pu-241	2.14E+00
Pu-242	1.16E-05
Th-229	1.51E-15
Th-230	2.28E-08
Th-232	2.59E-19
U-233	1.63E-11
U-234	1.27E-03
U-235	1.50E-04
U-236	5.24E-09
U-238	1.13E-02

Haz. Waste No(s).

F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211, 127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF107.04

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF107.04-S	100.9
55-gal Drum Dir Ld w/o Liner	RF107.04-S	1.9
SWB w/ 4 - 55-gal Drums w/ Liners	RF107.04-S	7.6
Emplaced Total		110.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.01
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.07
Rubber	0.00
Plastics	1.64
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	954.33
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	136.30
Packaging Material, Plastic	34.95
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.25E-01
Np-237	4.38E-06
Pu-238	3.77E-02
Pu-239	7.55E-01
Pu-240	1.75E-01
Pu-241	4.22E+00
Pu-242	2.29E-05
Th-229	3.40E-15
Th-230	3.46E-10
Th-232	5.13E-19
U-233	3.67E-11
U-234	1.93E-05
U-235	1.91E-06
U-236	1.04E-08
U-238	1.40E-04

Haz. Waste No(s).

D022, D028, D029, D030, D032, D034, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF107.05

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF107.05-S	4.4
Emplaced Total		4.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.63
Cellulosics	8.65
Rubber	0.00
Plastics	2.35
Cements	0.00
Inorganic Matrix	601.28
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.03E+00
Np-237	5.81E-06
Pu-238	2.35E-01
Pu-239	4.67E+00
Pu-240	1.09E+00
Pu-241	2.62E+01
Pu-242	1.42E-04
Th-229	4.40E-15
Th-230	4.06E-08
Th-232	3.18E-18
U-233	4.78E-11
U-234	2.26E-03
U-235	7.28E-05
U-236	6.44E-08
U-238	6.43E-07

Haz. Waste No(s).

D004, D005, D009, D010, D022, D027, D028, D029, D032, D033, D034, D043, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF107.06

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF107.06-S	14.4
Emplaced Total		14.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.49
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	8.25
Cements	0.00
Inorganic Matrix	873.52
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.72E-02
Np-237	5.20E-08
Pu-238	1.06E-02
Pu-239	2.13E-01
Pu-240	4.94E-02
Pu-241	1.19E+00
Pu-242	6.46E-06
Th-229	3.34E-17
Th-230	2.89E-09
Th-232	1.45E-19
U-233	3.80E-13
U-234	1.61E-04
U-235	1.83E-05
U-236	2.93E-09
U-238	1.40E-03

Haz. Waste No(s).

F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF107.07

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF107.07-S	57.0
SWB w/ 4 - 55-gal Drums w/ Liners	RF107.07-S	1.9
Emplaced Total		58.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	3.51
Cements	0.00
Inorganic Matrix	1172.21
Organic Matrix	4.62
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	133.38
Packaging Material, Plastic	36.34
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.72E+00
Am-243	2.88E-05
Np-237	4.01E-05
Pu-238	6.29E-01
Pu-239	1.23E+01
Pu-240	2.87E+00
Pu-241	6.98E+01
Pu-242	3.79E-04
Th-229	3.11E-14
Th-230	4.17E-08
Th-232	8.40E-18
U-233	3.36E-10
U-234	2.32E-03
U-235	7.51E-05
U-236	1.70E-07
U-238	3.74E-05

Haz. Waste No(s).

F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

111/211, 113/213, 126/226

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF110.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF110.01-S	8.3
55-gal Drum Dir Ld w/o Liner	RF110.01-S	0.6
55-gal POC - 12" w/ Liner	RF110.01-S	0.2
Emplaced Total		9.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.57
Aluminum-based Metals/Alloys	5.49
Other Metals	0.08
Other Inorganic Materials	9.72
Cellulosics	50.40
Rubber	4.90
Plastics	26.12
Cements	0.00
Inorganic Matrix	0.07
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	139.81
Packaging Material, Plastic	34.48
Packaging Material, Cellulosics	3.13
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.06E+00
Am-243	1.88E-04
Np-237	2.42E-05
Pu-238	6.81E-01
Pu-239	1.37E+01
Pu-240	3.20E+00
Pu-241	5.77E+01
Pu-242	7.16E-04
Th-229	5.80E-14
Th-230	3.58E-09
Th-232	3.75E-17
U-233	3.34E-10
U-234	1.03E-04
U-235	3.32E-06
U-236	3.79E-07
U-238	2.12E-05

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D029, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

119/219, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF110.05

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF110.05-S	16.6
55-gal Drum Dir Ld w/o Liner	RF110.05-S	1.7
SWB w/ 4 - 55-gal Drums w/ Liners	RF110.05-S	11.3
SWB w/ 4 - 55-gal Drums w/o Liners	RF110.05-S	1.9
Emplaced Total		31.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	7.11
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	7.40
Cellulosics	6.35
Rubber	0.07
Plastics	17.62
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.23
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	164.49
Packaging Material, Plastic	25.39
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.48E+00
Np-237	6.14E-06
Pu-238	6.51E-01
Pu-239	1.46E+01
Pu-240	3.38E+00
Pu-241	3.83E+01
Pu-242	3.25E-04
Th-229	1.79E-14
Th-230	7.25E-09
Th-232	6.19E-17
U-233	8.99E-11
U-234	1.66E-04
U-235	5.12E-06
U-236	5.01E-07
U-238	5.28E-07

Haz. Waste No(s).

D022, F001, F002

TRUCON Code(s)

119/219

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF113.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3114
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF113.01-S	0.4
Emplaced Total		0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	108.89
Cellulosics	0.48
Rubber	0.00
Plastics	12.02
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.35E-01
Np-237	2.36E-06
Pu-238	4.40E-02
Pu-239	8.91E-01
Pu-240	2.07E-01
Pu-241	4.53E+00
Pu-242	2.71E-05
Th-229	7.17E-15
Th-230	9.17E-12
Th-232	2.42E-18
U-233	3.87E-11
U-234	5.07E-07
U-235	3.51E-09
U-236	2.45E-08
U-238	1.64E-14

Haz. Waste No(s).

D007, D010, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF115.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF115.01-S	17.3
55-gal Drum Dir Ld w/o Liner	RF115.01-S	1.5
55-gal POC - 12" w/ Liner	RF115.01-S	86.7
SWB w/ 4 - 55-gal Drums w/ Liners	RF115.01-S	5.7
SWB w/ 4 - 55-gal Drums w/o Liners	RF115.01-S	3.8
Emplaced Total		114.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	16.78
Aluminum-based Metals/Alloys	0.01
Other Metals	11.65
Other Inorganic Materials	53.37
Cellulosics	2.41
Rubber	0.01
Plastics	3.38
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	436.77
Packaging Material, Plastic	34.29
Packaging Material, Cellulosics	103.79
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.09E+00
Np-237	1.40E-05
Pu-238	9.12E-01
Pu-239	2.20E+01
Pu-240	5.13E+00
Pu-241	4.56E+01
Pu-242	4.30E-04
Th-229	3.35E-14
Th-230	4.43E-10
Th-232	6.01E-17
U-233	1.93E-10
U-234	1.75E-05
U-235	3.61E-07
U-236	6.08E-07
U-238	5.44E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF116.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF116.01-S	4.0
Emplaced Total		4.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	19.23
Aluminum-based Metals/Alloys	0.00
Other Metals	16.09
Other Inorganic Materials	32.79
Cellulosics	0.00
Rubber	0.00
Plastics	3.23
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.40E+00
Np-237	3.44E-05
Pu-238	6.49E-01
Pu-239	2.48E+01
Pu-240	5.75E+00
Pu-241	3.32E+01
Pu-242	3.84E-04
Th-229	9.48E-14
Th-230	1.35E-10
Th-232	6.74E-17
U-233	5.25E-10
U-234	7.49E-06
U-235	9.78E-08
U-236	6.82E-07
U-238	2.32E-13

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF117.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF117.01-S	1.7
55-gal Drum Dir Ld w/o Liner	RF117.01-S	0.2
Emplaced Total		1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.50
Aluminum-based Metals/Alloys	0.00
Other Metals	1.28
Other Inorganic Materials	93.11
Cellulosics	8.65
Rubber	0.00
Plastics	8.22
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	32.89
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.49E+00
Np-237	2.11E-05
Pu-238	6.59E-01
Pu-239	1.31E+01
Pu-240	3.04E+00
Pu-241	6.81E+01
Pu-242	3.90E-04
Th-229	3.60E-14
Th-230	2.11E-08
Th-232	2.01E-17
U-233	2.61E-10
U-234	7.86E-04
U-235	2.51E-05
U-236	2.71E-07
U-238	2.22E-07

Haz. Waste No(s).

D007

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF118.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF118.01-S	1.0
55-gal POC - 12" w/ Liner	RF118.01-S	1431.0
55-gal POC - 12" w/o Liner	RF118.01-S	0.2
Emplaced Total		1432.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	11.29
Aluminum-based Metals/Alloys	0.00
Other Metals	1.26
Other Inorganic Materials	16.19
Cellulosics	0.00
Rubber	0.00
Plastics	1.32
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.11
Packaging Material, Plastic	36.99
Packaging Material, Cellulosics	137.40
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.97E+00
Am-243	8.75E-07
Np-237	5.40E-05
Pu-238	2.92E+00
Pu-239	4.66E+01
Pu-240	1.25E+01
Pu-241	1.44E+02
Pu-242	1.52E-03
Th-229	3.12E-13
Th-230	1.18E-08
Th-232	3.31E-16
U-233	1.18E-09
U-234	2.44E-04
U-235	6.48E-06
U-236	2.23E-06
U-238	1.40E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF119.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF119.01-S	19.3
55-gal Drum Dir Ld w/o Liner	RF119.01-S	3.7
55-gal POC - 12" w/ Liner	RF119.01-S	1.0
Emplaced Total		24.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	57.80
Aluminum-based Metals/Alloys	0.02
Other Metals	0.85
Other Inorganic Materials	8.24
Cellulosics	0.30
Rubber	0.00
Plastics	15.73
Cements	0.00
Inorganic Matrix	245.52
Organic Matrix	1.90
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	147.89
Packaging Material, Plastic	31.26
Packaging Material, Cellulosics	5.93
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.42E+00
Np-237	1.11E-05
Pu-238	3.09E-01
Pu-239	6.09E+00
Pu-240	1.44E+00
Pu-241	3.29E+01
Pu-242	1.85E-04
Th-229	8.58E-15
Th-230	3.67E-10
Th-232	4.20E-18
U-233	9.27E-11
U-234	2.13E-05
U-235	7.22E-07
U-236	8.52E-08
U-238	8.83E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

111/211, 127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF121.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF121.01-S	46.0
Emplaced Total		46.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.55
Aluminum-based Metals/Alloys	0.00
Other Metals	6.66
Other Inorganic Materials	11.10
Cellulosics	0.00
Rubber	0.00
Plastics	1.33
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.07E+00
Np-237	5.66E-06
Pu-238	1.40E+00
Pu-239	4.29E+01
Pu-240	1.03E+01
Pu-241	7.13E+01
Pu-242	6.64E-04
Th-229	4.53E-15
Th-230	5.36E-10
Th-232	6.77E-17
U-233	4.26E-11
U-234	2.59E-05
U-235	5.71E-07
U-236	9.14E-07
U-238	3.94E-09

Haz. Waste No(s).

D007, D008

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF122.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF122.01-S	0.2
55-gal Drum Dir Ld w/o Liner	RF122.01-S	1.5
55-gal POC - 12" w/ Liner	RF122.01-S	33.9
Emplaced Total		35.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.47
Aluminum-based Metals/Alloys	0.00
Other Metals	12.08
Other Inorganic Materials	21.10
Cellulosics	0.00
Rubber	0.00
Plastics	2.56
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	508.85
Packaging Material, Plastic	35.49
Packaging Material, Cellulosics	131.07
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.68E+00
Np-237	1.59E-03
Pu-238	1.77E+00
Pu-239	3.86E+01
Pu-240	9.29E+00
Pu-241	8.10E+01
Pu-242	9.78E-04
Th-229	5.04E-12
Th-230	3.69E-10
Th-232	1.09E-16
U-233	2.69E-08
U-234	2.04E-05
U-235	1.52E-07
U-236	1.10E-06
U-238	5.91E-13

Haz. Waste No(s).

D006, D007, D008, D009, F001, F002, F005

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF122.03

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TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF122.03-S	4.4
Emplaced Total		4.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	424.32
Cellulosics	0.00
Rubber	0.00
Plastics	6.64
Cements	0.00
Inorganic Matrix	163.06
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.60E+00
Np-237	9.06E-05
Pu-238	1.62E-01
Pu-239	3.25E+00
Pu-240	7.54E-01
Pu-241	1.81E+01
Pu-242	9.85E-05
Th-229	7.14E-14
Th-230	3.72E-08
Th-232	2.21E-18
U-233	7.69E-10
U-234	2.07E-03
U-235	1.39E-04
U-236	4.47E-08
U-238	7.77E-03

Haz. Waste No(s).

D004, D005, D009, D010, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF122.04

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF122.04-S	54.1
Emplaced Total		54.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	662.72
Cellulosics	0.28
Rubber	0.00
Plastics	8.45
Cements	0.00
Inorganic Matrix	1.50
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.71E+00
Np-237	6.70E-05
Pu-238	1.49E-01
Pu-239	2.98E+00
Pu-240	6.92E-01
Pu-241	1.67E+01
Pu-242	9.06E-05
Th-229	5.28E-14
Th-230	1.10E-08
Th-232	2.03E-18
U-233	5.68E-10
U-234	6.12E-04
U-235	6.47E-05
U-236	4.10E-08
U-238	4.33E-03

Haz. Waste No(s).

D006, D007, D008, D009, D011

TRUCON Code(s)

111/211, 127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF122.05

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF122.05-S	16.2
Emplaced Total		16.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.15
Other Inorganic Materials	519.58
Cellulosics	0.00
Rubber	0.00
Plastics	49.09
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.78E-01
Np-237	7.74E-07
Pu-238	1.70E-02
Pu-239	3.37E-01
Pu-240	7.83E-02
Pu-241	1.90E+00
Pu-242	1.03E-05
Th-229	5.71E-16
Th-230	2.23E-08
Th-232	2.29E-19
U-233	6.25E-12
U-234	1.24E-03
U-235	6.46E-05
U-236	4.64E-09
U-238	2.40E-03

Haz. Waste No(s).

D006, D007, D008, D009, D011, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211, 112/212, 127/227

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF122.06

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3129	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF122.06-S	0.4
55-gal POC - 12" w/ Liner	RF122.06-S	6.9
Emplaced Total		7.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.30
Aluminum-based Metals/Alloys	0.00
Other Metals	12.03
Other Inorganic Materials	48.94
Cellulosics	0.00
Rubber	0.00
Plastics	2.65
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	504.74
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	129.64
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.70E+00
Np-237	5.39E-05
Pu-238	1.38E+00
Pu-239	3.47E+01
Pu-240	8.19E+00
Pu-241	7.15E+01
Pu-242	8.75E-04
Th-229	1.51E-13
Th-230	1.87E-09
Th-232	9.60E-17
U-233	8.32E-10
U-234	5.99E-05
U-235	1.91E-06
U-236	9.72E-07
U-238	3.86E-05

Haz. Waste No(s).

D006, D007, D008, D009, D011

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF123.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF123.01-S	7.5
SWB w/ 4 - 55-gal Drums w/ Liners	RF123.01-S	1.9
Emplaced Total		9.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.09
Aluminum-based Metals/Alloys	0.00
Other Metals	5.89
Other Inorganic Materials	9.14
Cellulosics	0.00
Rubber	0.00
Plastics	1.18
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	463.65
Packaging Material, Plastic	32.83
Packaging Material, Cellulosics	109.79
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.64E+00
Np-237	1.54E-05
Pu-238	1.08E+00
Pu-239	3.23E+01
Pu-240	7.51E+00
Pu-241	6.91E+01
Pu-242	5.30E-04
Th-229	3.12E-14
Th-230	1.55E-09
Th-232	8.80E-17
U-233	1.90E-10
U-234	4.92E-05
U-235	1.54E-06
U-236	8.91E-07
U-238	1.06E-08

Haz. Waste No(s).

D006, D007, D008, D009, D018, D019, D022, D028, D029, D043, F001, F002, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF123.02

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF123.02-S	0.6
55-gal Drum Dir Ld w/o Liner	RF123.02-S	0.2
Emplaced Total		0.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	29.16
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	128.43
Cellulosics	6.49
Rubber	0.00
Plastics	2.51
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	27.75
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.67E-02
Np-237	1.03E-08
Pu-238	5.08E-03
Pu-239	9.99E-02
Pu-240	2.33E-02
Pu-241	5.65E-01
Pu-242	3.07E-06
Th-229	2.72E-18
Th-230	5.05E-09
Th-232	6.81E-20
U-233	4.39E-14
U-234	2.81E-04
U-235	3.24E-05
U-236	1.38E-09
U-238	2.52E-03

Haz. Waste No(s).

D010, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF123.03

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF123.03-S	11.9
55-gal Drum Dir Ld w/o Liner	RF123.03-S	0.2
Emplaced Total		12.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.34
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	25.98
Cellulosics	11.41
Rubber	0.00
Plastics	2.72
Cements	0.00
Inorganic Matrix	0.96
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	36.36
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.47E+01
Np-237	2.08E-04
Pu-238	8.59E-01
Pu-239	1.71E+01
Pu-240	3.97E+00
Pu-241	9.17E+01
Pu-242	5.23E-04
Th-229	3.54E-13
Th-230	4.67E-10
Th-232	2.62E-17
U-233	2.57E-09
U-234	2.10E-05
U-235	1.62E-06
U-236	3.53E-07
U-238	1.22E-04

Haz. Waste No(s).

D006, D007, D008, D009

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF123.04

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF123.04-S	44.5
Emplaced Total		44.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.39
Aluminum-based Metals/Alloys	0.00
Other Metals	0.01
Other Inorganic Materials	17.76
Cellulosics	1.10
Rubber	0.00
Plastics	0.27
Cements	0.00
Inorganic Matrix	0.76
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.96E+00
Np-237	2.14E-05
Pu-238	9.18E-01
Pu-239	1.81E+01
Pu-240	4.23E+00
Pu-241	9.80E+01
Pu-242	5.59E-04
Th-229	3.61E-14
Th-230	5.89E-10
Th-232	2.79E-17
U-233	2.62E-10
U-234	2.58E-05
U-235	6.84E-07
U-236	3.76E-07
U-238	5.86E-06

Haz. Waste No(s).

D007, D008, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF124.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5311
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF124.01-S	91.5
55-gal Drum Dir Ld w/o Liner	RF124.01-S	0.8
SWB Dir Ld w/o Liner	RF124.01-S	1.9
Emplaced Total		94.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.02
Aluminum-based Metals/Alloys	0.01
Other Metals	223.31
Other Inorganic Materials	0.82
Cellulosics	0.75
Rubber	129.33
Plastics	8.27
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	131.26
Packaging Material, Plastic	35.93
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.00E-01
Am-243	4.78E-08
Np-237	1.54E-05
Pu-238	1.20E-01
Pu-239	2.62E+00
Pu-240	6.04E-01
Pu-241	1.14E+01
Pu-242	6.99E-05
Th-229	7.45E-14
Th-230	3.38E-09
Th-232	1.11E-17
U-233	3.20E-10
U-234	7.60E-05
U-235	1.33E-06
U-236	8.95E-08
U-238	1.51E-06

Haz. Waste No(s).

D008

TRUCON Code(s)

116/216, 123/223

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF124.02

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5311
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF124.02-S	13.1
55-gal Drum Dir Ld w/o Liner	RF124.02-S	0.2
Emplaced Total		13.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.26
Aluminum-based Metals/Alloys	0.00
Other Metals	207.17
Other Inorganic Materials	2.78
Cellulosics	0.98
Rubber	123.26
Plastics	8.93
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	36.42
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.07E-01
Np-237	1.06E-05
Pu-238	2.41E-01
Pu-239	5.01E+00
Pu-240	1.15E+00
Pu-241	2.23E+01
Pu-242	1.38E-04
Th-229	4.82E-14
Th-230	1.12E-09
Th-232	2.10E-17
U-233	2.10E-10
U-234	2.66E-05
U-235	7.69E-07
U-236	1.70E-07
U-238	6.59E-09

Haz. Waste No(s).

D008, D022, D028, F001, F002

TRUCON Code(s)

123/223

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF125.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3900
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF125.01-S	3.3
55-gal Drum Dir Ld w/o Liner	RF125.01-S	1.0
55-gal POC - 12" w/ Liner	RF125.01-S	6.2
SWB w/ 4 - 55-gal Drums w/ Liners	RF125.01-S	3.8
Emplaced Total		14.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	10.07
Aluminum-based Metals/Alloys	0.00
Other Metals	2.84
Other Inorganic Materials	2.40
Cellulosics	0.76
Rubber	0.00
Plastics	1.35
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	11.23
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	323.90
Packaging Material, Plastic	28.89
Packaging Material, Cellulosics	59.63
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.53E+01
Np-237	3.13E-04
Pu-238	1.08E+00
Pu-239	2.69E+01
Pu-240	6.22E+00
Pu-241	7.80E+01
Pu-242	5.32E-04
Th-229	5.58E-13
Th-230	1.65E-08
Th-232	4.10E-17
U-233	4.00E-09
U-234	6.16E-04
U-235	2.00E-05
U-236	5.53E-07
U-238	4.37E-05

Haz. Waste No(s).

D004, D005, D009, D010, D022, D027, D028, D029, D032, D033, D034, D043, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF126.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3229
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF126.01-S	1.0
Emplaced Total		1.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.65
Aluminum-based Metals/Alloys	0.00
Other Metals	11.54
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	2.31
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	13.94
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.16E+00
Np-237	3.84E-06
Pu-238	1.46E+00
Pu-239	3.73E+01
Pu-240	8.35E+00
Pu-241	8.55E+01
Pu-242	5.23E-04
Th-229	2.29E-15
Th-230	1.21E-09
Th-232	5.50E-17
U-233	2.47E-11
U-234	5.10E-05
U-235	1.35E-06
U-236	7.43E-07
U-238	1.10E-08

Haz. Waste No(s).

D007

TRUCON Code(s)

126/226

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF126.04

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3229
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF126.04-S	2.1
Emplaced Total		2.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	6.06
Aluminum-based Metals/Alloys	0.00
Other Metals	8.08
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	1.62
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	11.15
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.29E+00
Np-237	4.98E-06
Pu-238	1.21E+00
Pu-239	3.40E+01
Pu-240	7.85E+00
Pu-241	7.25E+01
Pu-242	6.09E-04
Th-229	3.00E-15
Th-230	1.82E-09
Th-232	5.17E-17
U-233	3.22E-11
U-234	7.27E-05
U-235	1.73E-06
U-236	6.98E-07
U-238	1.51E-08

Haz. Waste No(s).

D007, D008, F001, F002

TRUCON Code(s)

126/226

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF128.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF128.01-S	198.2
Emplaced Total		198.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	4.71
Aluminum-based Metals/Alloys	0.00
Other Metals	5.88
Other Inorganic Materials	9.14
Cellulosics	0.00
Rubber	0.00
Plastics	1.18
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.75E+00
Np-237	1.83E-05
Pu-238	1.90E+00
Pu-239	4.29E+01
Pu-240	1.04E+01
Pu-241	9.42E+01
Pu-242	7.61E-04
Th-229	6.75E-14
Th-230	6.47E-10
Th-232	1.90E-16
U-233	3.13E-10
U-234	2.81E-05
U-235	2.28E-07
U-236	1.54E-06
U-238	1.47E-10

Haz. Waste No(s).

D005, D006, D007, D008, D010, D011

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF129.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF129.01-S	8.3
55-gal Drum Dir Ld w/o Liner	RF129.01-S	0.6
55-gal POC - 12" w/ Liner	RF129.01-S	3.3
SWB Dir Ld w/o Liner	RF129.01-S	455.5
Emplaced Total		467.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	151.84
Aluminum-based Metals/Alloys	1.45
Other Metals	23.51
Other Inorganic Materials	20.31
Cellulosics	14.40
Rubber	2.70
Plastics	26.27
Cements	0.00
Inorganic Matrix	0.22
Organic Matrix	0.61
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	155.73
Packaging Material, Plastic	0.92
Packaging Material, Cellulosics	0.98
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.40E-01
Am-243	2.19E-07
Cs-137	2.28E-07
Np-237	4.52E-06
Pu-238	9.75E-02
Pu-239	1.86E+00
Pu-240	4.44E-01
Pu-241	1.00E+01
Pu-242	5.81E-05
Pu-244	9.20E-24
Th-229	7.69E-15
Th-230	2.25E-09
Th-232	2.93E-18
U-233	5.58E-11
U-234	8.39E-05
U-235	2.93E-06
U-236	3.95E-08
U-238	1.33E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D028, D029, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF129.05

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF129.05-S	2.1
55-gal Drum Dir Ld w/o Liner	RF129.05-S	0.2
SWB Dir Ld w/o Liner	RF129.05-S	446.0
Emplaced Total		448.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	182.14
Aluminum-based Metals/Alloys	0.66
Other Metals	61.87
Other Inorganic Materials	6.36
Cellulosics	8.09
Rubber	2.72
Plastics	22.28
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.26
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.38
Packaging Material, Plastic	0.17
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.43E-01
Am-243	7.64E-07
Np-237	2.23E-05
Pu-238	9.17E-02
Pu-239	1.68E+00
Pu-240	4.05E-01
Pu-241	9.67E+00
Pu-242	5.51E-05
Th-229	4.02E-14
Th-230	3.56E-10
Th-232	2.67E-18
U-233	2.87E-10
U-234	1.36E-05
U-235	4.19E-07
U-236	3.60E-08
U-238	1.41E-07

Haz. Waste No(s).

D008

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF130.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF130.01-S	25.4
55-gal Drum Dir Ld w/o Liner	RF130.01-S	1.9
SWB w/ 4 - 55-gal Drums w/ Liners	RF130.01-S	11.3
Emplaced Total		38.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.34
Aluminum-based Metals/Alloys	1.41
Other Metals	6.65
Other Inorganic Materials	8.05
Cellulosics	0.81
Rubber	0.13
Plastics	7.57
Cements	0.00
Inorganic Matrix	2.91
Organic Matrix	7.06
Soils/gravel	0.03
Vitrified	0.00
Packaging Material, Steel	154.40
Packaging Material, Plastic	29.12
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.16E+00
Cm-244	3.61E-09
Cs-137	1.78E-05
Np-237	2.10E-04
Pu-238	6.50E-01
Pu-239	1.28E+01
Pu-240	2.99E+00
Pu-241	6.94E+01
Pu-242	3.95E-04
Pu-244	4.41E-18
Sr-90	8.66E-04
Th-229	3.78E-13
Th-230	1.28E-07
Th-232	1.18E-10
U-233	2.70E-09
U-234	1.05E-03
U-235	4.10E-05
U-236	2.66E-07
U-238	5.93E-05

Haz. Waste No(s).

D004, D005, D008, D009, D010, D022, D027, D028, D029, D032, D033, D034, D043, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF134.02

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Soils	**Waste Matrix Code**	S4200
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB Dir Ld w/o Liner	RF134.02-S	11.3
Emplaced Total		11.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.35
Aluminum-based Metals/Alloys	2.23
Other Metals	0.00
Other Inorganic Materials	0.63
Cellulosics	10.66
Rubber	0.00
Plastics	10.56
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	666.10
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.81E-02
Np-237	1.65E-08
Pu-238	4.08E-03
Pu-239	8.16E-02
Pu-240	1.90E-02
Pu-241	4.37E-01
Pu-242	2.49E-06
Th-229	9.81E-18
Th-230	4.76E-13
Th-232	1.25E-19
U-233	1.06E-13
U-234	3.51E-08
U-235	2.42E-10
U-236	1.69E-09
U-238	1.13E-15

Haz. Waste No(s).

F001, F002, F005

TRUCON Code(s)

121/221

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF135.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3290
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF135.01-S	2.3
Emplaced Total		2.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	5.51
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	802.10
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.18E+00
Np-237	2.19E-05
Pu-238	7.13E-02
Pu-239	1.45E+00
Pu-240	3.36E-01
Pu-241	7.68E+00
Pu-242	4.38E-05
Th-229	3.76E-14
Th-230	3.80E-09
Th-232	2.21E-18
U-233	2.72E-10
U-234	1.41E-04
U-235	1.63E-05
U-236	2.98E-08
U-238	1.26E-03

Haz. Waste No(s).

D022, D026, D027, D029, D030, D032, D034, D036, D037, F001, F002

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF135.02

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3290
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF135.02-S	10.4
Emplaced Total		10.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.82
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.61
Rubber	0.00
Plastics	0.42
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	446.57
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.27E-01
Np-237	1.22E-06
Pu-238	2.97E-02
Pu-239	5.94E-01
Pu-240	1.38E-01
Pu-241	3.32E+00
Pu-242	1.80E-05
Th-229	9.57E-16
Th-230	7.12E-09
Th-232	4.03E-19
U-233	1.03E-11
U-234	3.96E-04
U-235	1.28E-05
U-236	8.17E-09
U-238	1.13E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D022, D026, D027, D028, D029, D030, D032, D034, D036, D043, F001, F002, F005

TRUCON Code(s)

112/212

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF137.01

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TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF137.01-S	0.4
Emplaced Total		0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	29.18
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	240.94
Cellulosics	0.00
Rubber	1.49
Plastics	20.22
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.17E-01
Np-237	8.31E-06
Pu-238	7.98E-02
Pu-239	1.64E+00
Pu-240	3.79E-01
Pu-241	8.62E+00
Pu-242	4.92E-05
Th-229	1.46E-14
Th-230	9.31E-12
Th-232	2.50E-18
U-233	1.05E-10
U-234	6.88E-07
U-235	4.85E-09
U-236	3.37E-08
U-238	2.23E-14

Haz. Waste No(s).

D007, D008

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF139.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3121	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF139.01-S	11.6
Emplaced Total		11.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	44.57
Cellulosics	0.00
Rubber	0.00
Plastics	4.14
Cements	0.00
Inorganic Matrix	744.45
Organic Matrix	14.88
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.13E+01
Np-237	2.76E-04
Pu-238	1.42E-01
Pu-239	2.87E+00
Pu-240	6.66E-01
Pu-241	1.60E+01
Pu-242	8.68E-05
Th-229	2.15E-13
Th-230	3.78E-09
Th-232	1.95E-18
U-233	2.32E-09
U-234	2.10E-04
U-235	1.71E-05
U-236	3.95E-08
U-238	1.11E-03

Haz. Waste No(s).

D004, D005, D009, D010, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

111/211

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF140.01

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TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5420
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RF140.01-S	4.0
SWB Dir Ld w/o Liner	RF140.01-S	168.2
Emplaced Total		172.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	149.72
Aluminum-based Metals/Alloys	2.38
Other Metals	60.72
Other Inorganic Materials	47.21
Cellulosics	4.14
Rubber	1.58
Plastics	5.57
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.02
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	152.98
Packaging Material, Plastic	0.85
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.77E-01
Am-243	7.90E-08
Np-237	2.35E-06
Pu-238	7.87E-02
Pu-239	1.44E+00
Pu-240	3.49E-01
Pu-241	8.28E+00
Pu-242	4.72E-05
Th-229	4.00E-15
Th-230	2.84E-11
Th-232	2.30E-18
U-233	2.90E-11
U-234	1.39E-06
U-235	2.72E-08
U-236	3.10E-08
U-238	2.03E-10

Haz. Waste No(s).

D005, D008, D009, D011, F001, F002, F005, F006, F007, F009

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF141.01

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF141.01-S	45.6
Emplaced Total		45.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	7.30
Aluminum-based Metals/Alloys	0.00
Other Metals	8.83
Other Inorganic Materials	14.35
Cellulosics	0.00
Rubber	0.00
Plastics	1.77
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.64E+00
Np-237	3.31E-06
Pu-238	1.58E+00
Pu-239	3.99E+01
Pu-240	9.36E+00
Pu-241	9.89E+01
Pu-242	6.16E-04
Th-229	1.96E-15
Th-230	1.58E-07
Th-232	6.17E-17
U-233	2.11E-11
U-234	5.86E-03
U-235	1.88E-04
U-236	8.33E-07
U-238	1.66E-06

Haz. Waste No(s).

D006, D007, D008

TRUCON Code(s)

122/222, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RF141.02

Appendix B

TRU Waste Inventory Profile Report

Site	Rocky Flats Environmental Technology Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3119	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RF141.02-S	176.0
Emplaced Total		176.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	5.27
Aluminum-based Metals/Alloys	0.01
Other Metals	6.35
Other Inorganic Materials	11.00
Cellulosics	0.00
Rubber	0.00
Plastics	1.27
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.07E+00
Np-237	1.39E-03
Pu-238	1.59E+00
Pu-239	4.22E+01
Pu-240	1.01E+01
Pu-241	9.35E+01
Pu-242	8.65E-04
Th-229	2.54E-12
Th-230	4.50E-08
Th-232	6.64E-17
U-233	1.81E-08
U-234	1.67E-03
U-235	5.36E-05
U-236	8.97E-07
U-238	4.73E-07

Haz. Waste No(s).

D007, D008

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLCBWD.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	RLCBWD.001-S	4.8
TDOP w/ 10 - 55-gal Drums w/o Liners	RLCBWD.001-S	9.6
Emplaced Total		14.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	14.09
Aluminum-based Metals/Alloys	0.05
Other Metals	0.62
Other Inorganic Materials	30.33
Cellulosics	19.98
Rubber	3.83
Plastics	19.62
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	188.76
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.27E+00
Cs-137	3.31E-08
Np-237	8.06E-06
Pu-238	2.78E-01
Pu-239	1.65E+00
Pu-240	7.79E-01
Pu-241	1.21E+01
Pu-242	1.18E-04
Sr-90	3.01E-08
U-233	3.35E-04
U-234	4.23E-05
U-235	1.36E-06
U-238	1.70E-05

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WP-RLCFFD.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RLCFFD.001-S	198.0
55-gal Drum Dir Ld w/o Liner	RLCFFD.001-S	1.0
TDOP w/ 10 - 55-gal Drums w/ Liners	RLCFFD.001-S	62.3
Emplaced Total		261.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	377.31
Aluminum-based Metals/Alloys	1.97
Other Metals	0.39
Other Inorganic Materials	37.11
Cellulosics	42.04
Rubber	8.98
Plastics	59.65
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.06
Vitrified	0.00
Packaging Material, Steel	151.51
Packaging Material, Plastic	31.87
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.81E+00
Np-237	5.92E-07
Pu-238	3.64E-01
Pu-239	2.22E+00
Pu-240	1.12E+00
Pu-241	1.58E+01
Pu-242	1.71E-04
Th-229	4.14E-17
Th-230	1.39E-10
Th-232	4.99E-09
U-233	1.31E-12
U-234	1.60E-05
U-235	5.00E-07
U-236	3.33E-08
U-238	1.11E-05

Haz. Waste No(s).

D007, D008, D009, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLHMOX.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5120	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RLHMOX.001-S	182.4
55-gal POC - 12" w/o Liner	RLHMOX.001-S	11.2
Emplaced Total		193.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	17.08
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	34.85
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.59E+01
Am-243	2.22E-06
Cs-137	3.27E-06
Np-237	2.12E-03
Pu-238	8.75E+00
Pu-239	4.00E+01
Pu-240	2.03E+01
Pu-241	3.22E+02
Pu-242	1.01E-02
Sr-90	2.94E-06
Th-229	3.84E-12
Th-230	1.05E-07
Th-232	1.34E-16
U-233	2.74E-08
U-234	3.94E-03
U-235	2.50E-04
U-236	1.81E-06
U-238	3.06E-03

Haz. Waste No(s).

D005, D006, D007, D008, D011

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLM308D.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	RLM308D.001-S	4.0
55-gal POC - 12" w/ Liner	RLM308D.001-S	24.8
TDOP w/ 10 - 55-gal Drums w/o Liners	RLM308D.001-S	33.5
Emplaced Total		62.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	43.43
Aluminum-based Metals/Alloys	0.14
Other Metals	7.80
Other Inorganic Materials	7.09
Cellulosics	6.31
Rubber	2.49
Plastics	15.49
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	335.36
Packaging Material, Plastic	14.72
Packaging Material, Cellulosics	54.69
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.03E+01
Am-243	1.74E-05
Cs-137	6.49E-05
Np-237	3.14E-04
Pu-238	8.97E+00
Pu-239	1.48E+01
Pu-240	9.49E+00
Pu-241	1.86E+02
Pu-242	9.25E-03
Sr-90	5.88E-05
Th-229	3.70E-09
Th-230	1.21E-08
Th-232	1.43E-06
U-233	1.97E-05
U-234	6.96E-04
U-235	2.30E-05
U-236	5.63E-07
U-238	3.65E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D011, F001, F002, F003

TRUCON Code(s)

117/217, 125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLMHASH.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RLMHASH.001-S	61.6
55-gal POC - 12" w/o Liner	RLMHASH.001-S	0.2
Emplaced Total		61.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	16.75
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	36.88
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.21E+01
Cs-137	6.07E-08
Np-237	1.97E-05
Pu-238	1.25E+00
Pu-239	3.93E+01
Pu-240	9.73E+00
Pu-241	5.68E+01
Pu-242	1.32E-03
Sr-90	2.87E-08
Th-229	1.31E-08
Th-230	4.09E-10
Th-232	1.78E-16
U-233	2.80E-05
U-234	1.81E-05
U-235	2.04E-07
U-236	1.44E-06
U-238	9.93E-13

Haz. Waste No(s).

D005, D006, D007, D008, D011

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLMPDT.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RLMPDT.001-S	2.1
55-gal Drum Dir Ld w/o Liner	RLMPDT.001-S	260.4
55-gal POC - 12" w/ Liner	RLMPDT.001-S	32.9
SWB Dir Ld w/o Liner	RLMPDT.001-S	168.2
TDOP w/ 10 - 55-gal Drums w/ Liners	RLMPDT.001-S	14.4
TDOP w/ 10 - 55-gal Drums w/o Liners	RLMPDT.001-S	761.6
Emplaced Total		1239.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	40.33
Aluminum-based Metals/Alloys	0.15
Other Metals	2.13
Other Inorganic Materials	8.47
Cellulosics	10.54
Rubber	10.40
Plastics	20.36
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.03
Soils/gravel	0.31
Vitrified	0.00
Packaging Material, Steel	198.80
Packaging Material, Plastic	1.23
Packaging Material, Cellulosics	3.65
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.07E+00
Am-243	7.22E-07
Cs-137	1.77E-05
Np-237	1.04E-05
Pu-238	6.41E-01
Pu-239	3.97E+00
Pu-240	1.29E+00
Pu-241	2.03E+01
Pu-242	2.69E-04
Sr-90	1.60E-05
Th-229	4.89E-09
Th-230	2.96E-10
Th-232	4.11E-10
U-233	2.61E-05
U-234	1.83E-05
U-235	4.83E-07
U-236	7.66E-08
U-238	3.51E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D030

TRUCON Code(s)

125/225, 130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLMPURX.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	RLMPURX.001-S	29.7
TDOP w/ 10 - 55-gal Drums w/o Liners	RLMPURX.001-S	76.6
Emplaced Total		106.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	42.01
Aluminum-based Metals/Alloys	0.20
Other Metals	1.03
Other Inorganic Materials	7.41
Cellulosics	6.40
Rubber	21.91
Plastics	20.79
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.10
Vitrified	0.00
Packaging Material, Steel	193.40
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.17E+00
Am-243	1.09E-06
Cs-137	8.08E-05
Np-237	8.88E-06
Pu-238	1.40E+00
Pu-239	6.91E+00
Pu-240	2.80E+00
Pu-241	8.56E+01
Pu-242	7.33E-04
Sr-90	6.82E-05
Th-229	2.22E-08
Th-230	2.97E-10
Th-232	1.85E-17
U-233	7.91E-05
U-234	1.70E-05
U-235	1.81E-07
U-236	2.49E-07
U-238	2.46E-06

Haz. Waste No(s).

D005, D006, D008, D009, D011

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLMSSC.001

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TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5123	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RLMSSC.001-S	64.7
Emplaced Total		64.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	49.32
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.00E+01
Np-237	1.40E-05
Pu-238	3.30E+00
Pu-239	4.31E+01
Pu-240	9.58E+00
Pu-241	1.74E+02
Pu-242	1.12E-03
Th-229	1.83E-14
Th-230	7.96E-10
Th-232	1.12E-16
U-233	1.32E-10
U-234	4.11E-05
U-235	2.70E-07
U-236	1.14E-06
U-238	6.08E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLNPDT.002

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TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	RLNPDT.002-S	62.4
55-gal Drum Dir Ld w/o Liner	RLNPDT.002-S	267.9
TDOP w/ 10 - 55-gal Drums w/ Liners	RLNPDT.002-S	4.8
TDOP w/ 10 - 55-gal Drums w/o Liners	RLNPDT.002-S	110.2
Emplaced Total		445.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	54.38
Aluminum-based Metals/Alloys	0.91
Other Metals	0.78
Other Inorganic Materials	24.75
Cellulosics	18.89
Rubber	8.30
Plastics	42.29
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.05
Vitrified	0.00
Packaging Material, Steel	153.24
Packaging Material, Plastic	5.36
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.34E+00
Am-243	7.83E-06
Cs-137	3.23E-06
Np-237	5.99E-06
Pu-238	4.50E-01
Pu-239	4.52E+00
Pu-240	1.08E+00
Pu-241	1.65E+01
Pu-242	1.88E-04
Sr-90	2.22E-06
Th-229	2.29E-14
Th-230	5.90E-10
Th-232	1.40E-10
U-233	1.05E-10
U-234	1.64E-05
U-235	3.76E-07
U-236	1.60E-07
U-238	9.76E-07

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLNPURX.001

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TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/o Liner	RLNPURX.001-S	34.3
TDOP w/ 10 - 55-gal Drums w/o Liners	RLNPURX.001-S	4.8
Emplaced Total		39.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	52.15
Aluminum-based Metals/Alloys	1.02
Other Metals	0.99
Other Inorganic Materials	18.19
Cellulosics	5.87
Rubber	8.82
Plastics	25.11
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	141.44
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.74E+00
Am-243	1.06E-06
Cs-137	5.05E-05
Np-237	5.41E-06
Pu-238	2.56E+00
Pu-239	1.05E+01
Pu-240	4.10E+00
Pu-241	1.70E+02
Pu-242	1.28E-03
Sr-90	3.23E-05
Th-229	5.33E-15
Th-230	5.33E-10
Th-232	4.80E-17
U-233	4.37E-11
U-234	2.95E-05
U-235	4.15E-08
U-236	4.86E-07
U-238	7.75E-13

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLRFETS.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal POC - 12" w/ Liner	RLRFETS.001-S	63.4
Emplaced Total		63.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	17.90
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	527.40
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	137.50
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.55E+00
Cs-137	3.07E-07
Np-237	1.33E-05
Pu-238	1.27E+00
Pu-239	5.98E+01
Pu-240	9.92E+00
Pu-241	8.24E+01
Pu-242	1.02E-03
Sr-90	3.14E-08
Th-229	5.55E-08
Th-230	3.93E-09
Th-232	1.82E-16
U-233	1.18E-04
U-234	9.65E-05
U-235	3.04E-06
U-236	1.47E-06
U-238	7.73E-13

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005

TRUCON Code(s)

130/230

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-RLVIPAC.001

Appendix B

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB Dir Ld w/o Liner	RLVIPAC.001-S	28.4
Emplaced Total		28.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.15
Aluminum-based Metals/Alloys	1.68
Other Metals	1.31
Other Inorganic Materials	5.22
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.30E+00
Cs-137	1.29E-05
Np-237	1.95E-05
Pu-238	1.00E+00
Pu-239	6.30E+00
Pu-240	1.87E+00
Pu-241	1.01E+01
Pu-242	5.57E-04
Sr-90	1.18E-05
U-234	3.39E-03
U-235	8.88E-05
U-238	1.70E-03

Haz. Waste No(s).

D005, D006, D007, D008, D011

TRUCON Code(s)

122/222

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-SR2001.001.00

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TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	SR2001.001.00-S	61.2
Emplaced Total		61.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	11.89
Aluminum-based Metals/Alloys	0.00
Other Metals	0.29
Other Inorganic Materials	8.37
Cellulosics	7.74
Rubber	1.00
Plastics	86.03
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.21E-02
Cs-137	8.38E-08
Np-237	1.63E-08
Pu-238	1.77E-02
Pu-239	1.58E-01
Pu-240	3.14E-02
Pu-241	4.66E-01
Pu-242	3.16E-06
Th-229	2.44E-17
Th-230	5.79E-12
Th-232	5.75E-19
U-233	1.62E-13
U-234	2.56E-07
U-235	7.79E-10
U-236	4.66E-09
U-238	2.39E-15

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

B - SR - 1

Waste Stream ID: WP-SR2002.002.00

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TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	SR2002.002.00-S	69.9
Emplaced Total		69.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.65
Aluminum-based Metals/Alloys	0.40
Other Metals	0.32
Other Inorganic Materials	6.82
Cellulosics	6.82
Rubber	1.36
Plastics	81.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.76E-02
Cs-137	2.51E-07
Np-237	5.76E-08
Pu-238	6.72E-03
Pu-239	1.62E-01
Pu-240	3.75E-02
Pu-241	9.72E-01
Pu-242	5.11E-06
Sr-90	2.12E-08
Th-229	4.75E-07
Th-230	1.40E-12
Th-232	4.40E-19
U-233	1.27E-03
U-234	7.75E-08
U-235	6.41E-10
U-236	4.45E-09
U-238	3.09E-15

Haz. Waste No(s).

D008, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-SR-W026-221F-HET

Appendix B

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	SR-W026-221F-HET-S	26.5
SWB w/ 4 - 55-gal Drums w/o Liners	SR-W026-221F-HET-S	3.8
TDOP w/ 10 - 55-gal Drums w/ Liners	SR-W026-221F-HET-S	522.1
Emplaced Total		552.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	28.88
Aluminum-based Metals/Alloys	0.53
Other Metals	0.24
Other Inorganic Materials	5.63
Cellulosics	2.03
Rubber	7.21
Plastics	22.31
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.03
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.34
Packaging Material, Plastic	16.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.27E-01
Am-243	9.56E-08
Cm-244	1.44E-04
Cs-137	4.48E-07
Np-237	8.46E-06
Pu-238	5.49E-01
Pu-239	1.86E+00
Pu-240	5.16E-01
Pu-241	7.95E+00
Pu-242	6.42E-05
Sr-90	4.70E-07
Th-229	6.77E-15
Th-230	3.48E-09
Th-232	6.31E-08
U-233	7.25E-11
U-234	1.95E-04
U-235	2.60E-06
U-236	3.06E-08
U-238	1.63E-05

Haz. Waste No(s).

D006, D007, D008, D009, D022, D028, D029, F001, F002, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-SR-W026-772F-HET

Appendix B

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	SR-W026-772F-HET-S	32.1
TDOP w/ 10 - 55-gal Drums w/ Liners	SR-W026-772F-HET-S	1274.1
Emplaced Total		1306.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.63
Aluminum-based Metals/Alloys	0.31
Other Metals	0.28
Other Inorganic Materials	8.26
Cellulosics	1.89
Rubber	1.33
Plastics	20.51
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.54
Packaging Material, Plastic	16.10
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.07E-02
Am-243	4.98E-07
Cm-244	7.17E-05
Cs-137	2.86E-05
Np-237	5.34E-05
Pu-238	2.10E+00
Pu-239	2.01E-01
Pu-240	5.73E-02
Pu-241	9.57E-01
Pu-242	9.42E-06
Sr-90	2.31E-05
Th-229	9.72E-09
Th-230	6.33E-09
Th-232	3.03E-07
U-233	5.18E-05
U-234	3.58E-04
U-235	7.69E-07
U-236	3.40E-09
U-238	5.99E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D028, D029, F002, F003, F005

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-SR-W027-221F-HETA

Appendix B

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	SR-W027-221F-HETA-	164.9
SWB w/ 4 - 55-gal Drums w/ Liners	SR-W027-221F-HETA-	213.6
SWB w/ 4 - 55-gal Drums w/o Liners	SR-W027-221F-HETA-	1.9
TDOP w/ 10 - 55-gal Drums w/ Liners	SR-W027-221F-HETA-	1700.5
Emplaced Total		2080.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.18
Aluminum-based Metals/Alloys	0.42
Other Metals	0.07
Other Inorganic Materials	3.48
Cellulosics	4.68
Rubber	3.26
Plastics	32.87
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.01
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	210.13
Packaging Material, Plastic	17.76
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.55E-01
Am-243	2.14E-09
Cs-137	2.29E-04
Np-237	4.00E-06
Pu-238	9.60E-02
Pu-239	8.13E-01
Pu-240	2.67E-01
Pu-241	5.10E+00
Pu-242	4.46E-05
Sr-90	6.21E-08
Th-229	2.35E-09
Th-230	3.23E-09
Th-232	4.78E-08
U-233	8.33E-06
U-234	1.20E-04
U-235	5.94E-08
U-236	2.38E-08
U-238	1.04E-06

Haz. Waste No(s).

D008, F001, F002, F003, F005

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-SR-W027-221H-HET

Appendix B

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	SR-W027-221H-HET-S	313.7
TDOP w/ 10 - 55-gal Drums w/ Liners	SR-W027-221H-HET-S	2203.4
TDOP w/ 10 - 55-gal Drums w/o Liners	SR-W027-221H-HET-S	4.8
Emplaced Total		2521.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	8.00
Aluminum-based Metals/Alloys	0.45
Other Metals	0.14
Other Inorganic Materials	3.16
Cellulosics	2.45
Rubber	6.57
Plastics	23.47
Cements	0.00
Inorganic Matrix	0.01
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	216.88
Packaging Material, Plastic	16.09
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.99E-02
Am-243	8.11E-06
Cs-137	4.23E-06
Np-237	8.24E-05
Pu-238	1.51E+01
Pu-239	5.17E-02
Pu-240	2.03E-02
Pu-241	2.02E+00
Pu-242	9.72E-06
Sr-90	4.22E-06
Th-229	6.73E-09
Th-230	4.92E-08
Th-232	1.08E-06
U-233	3.59E-05
U-234	2.78E-03
U-235	6.16E-07
U-236	1.21E-09
U-238	9.86E-07

Haz. Waste No(s).

D006, D008, D009, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U133

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-SR-W027-235F-HET

Appendix B

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	SR-W027-235F-HET-S	18.9
TDOP w/ 10 - 55-gal Drums w/ Liners	SR-W027-235F-HET-S	282.6
Emplaced Total		301.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	15.31
Aluminum-based Metals/Alloys	0.22
Other Metals	0.19
Other Inorganic Materials	2.81
Cellulosics	3.52
Rubber	6.47
Plastics	24.93
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.29
Packaging Material, Plastic	16.11
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.58E-02
Am-243	3.70E-08
Cs-137	5.33E-07
Np-237	1.19E-04
Pu-238	7.14E+00
Pu-239	3.20E-02
Pu-240	2.17E-02
Pu-241	1.30E+00
Pu-242	1.11E-05
Sr-90	5.33E-07
Th-229	2.43E-14
Th-230	1.25E-08
Th-232	8.33E-07
U-233	5.19E-10
U-234	1.40E-03
U-235	2.49E-06
U-236	6.43E-10
U-238	2.99E-07

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D035, F002, F003

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-SR-W027-773A-HET

Appendix B

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	N/A	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	N/A					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
SWB w/ 4 - 55-gal Drums w/ Liners	SR-W027-773A-HET-S	3.8
TDOP w/ 10 - 55-gal Drums w/ Liners	SR-W027-773A-HET-S	340.1
TDOP w/ 10 - 55-gal Drums w/o Liners	SR-W027-773A-HET-S	14.4
Emplaced Total		358.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	14.48
Aluminum-based Metals/Alloys	0.25
Other Metals	0.54
Other Inorganic Materials	7.37
Cellulosics	3.81
Rubber	2.40
Plastics	15.49
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	217.63
Packaging Material, Plastic	15.46
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.45E-02
Am-243	6.96E-04
Cm-244	3.69E-02
Cs-137	6.16E-05
Np-237	9.53E-05
Pu-238	5.15E+00
Pu-239	2.52E-01
Pu-240	6.16E-02
Pu-241	1.24E+00
Pu-242	6.62E-06
Sr-90	6.16E-05
Th-229	1.95E-14
Th-230	8.32E-09
Th-232	3.67E-07
U-233	4.15E-10
U-234	9.32E-04
U-235	4.72E-07
U-236	1.83E-09
U-238	4.18E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WP-SR-W027-FB-PRE86-C

Appendix B

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5300
Source Cat.	N/A	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	N/A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Emplaced Volumes		
Container Type	**Ref. Waste Stream**	**Volume**
55-gal Drum Dir Ld w/ Liner	SR-W027-FB-PRE86-C-	175.8
SWB w/ 4 - 55-gal Drums w/ Liners	SR-W027-FB-PRE86-C-	264.6
TDOP w/ 10 - 55-gal Drums w/ Liners	SR-W027-FB-PRE86-C-	1944.7
Emplaced Total		2385.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	9.99
Aluminum-based Metals/Alloys	0.10
Other Metals	0.05
Other Inorganic Materials	2.84
Cellulosics	4.18
Rubber	3.45
Plastics	30.25
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	210.56
Packaging Material, Plastic	17.66
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.12E-01
Am-243	4.74E-08
Cm-244	4.19E-05
Cs-137	7.22E-08
Np-237	3.21E-06
Pu-238	6.71E-02
Pu-239	1.39E+00
Pu-240	1.87E-01
Pu-241	2.93E+00
Pu-242	9.24E-05
Sr-90	5.85E-08
Th-229	4.19E-10
Th-230	1.28E-09
Th-232	2.61E-08
U-233	1.49E-06
U-234	4.76E-05
U-235	4.85E-08
U-236	1.67E-08
U-238	1.16E-07

Haz. Waste No(s).

D005, D006, D007, D008, D009, D011, D018, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005, U002, U151

TRUCON Code(s)

125/225, 154

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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APPENDIX C
Potential TRU Waste

The following waste stream profiles contain information on waste streams that cannot be shipped to WIPP at the time of this inventory update for various reasons, as stated in section 4.0 of this report. These reasons include: waste stream contents that are not allowed, radiological composition, lack of characterization information, or estimates of radiological activities that may exceed regulatory limits, to name a few. As reported in section 4.0 of this report, some of these waste streams may be treated or otherwise reworked to allow shipment to WIPP in the future.

The TRU waste sites that have reported potential TRU waste streams are:

Argonne National Laboratory – West (currently MFC)	AW
Bettis Atomic Power Laboratory	BT
Framatome (Richland)	FR
Idaho National Laboratory	IN
Los Alamos National Laboratory	LA
Lawrence Berkeley Laboratory	LB
Lawrence Livermore National Laboratory	LL
U.S. Army Material Command	MC
Paducah Gaseous Diffusion Plant	PA
Hanford (Richland Operations)	RL
Hanford (Office of River Protection)	RP
Separations Process Research Unit	SP
Savannah River Site	SR
General Electric Vallecitos Nuclear Center	VN
West Valley Demonstration Project	WV

Waste Stream ID: AW-IN-TRA-BE-01

Appendix C

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5000
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	TRA Beryllium Blocks			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2001

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Beryllium Reflector Block	9.0	7.2	16.2
Shim Control Cylinder	6.2	3.6	9.7
Current Form Total	15.2	10.8	25.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	15.1	10.7	25.8
Final Form Total	15.1	10.7	25.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	429.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.89E-02
Cs-137	6.11E+00
Pu-238	2.95E-02
Pu-239	5.90E-03
Pu-240	1.54E-02
Pu-241	1.97E+00
Pu-242	3.23E-04
Sr-90	1.80E+00
U-233	2.15E-05
U-234	5.50E-06
U-238	1.88E-06

No Hazardous Waste Numbers Provided

TRUCON Code(s)

317

Waste Stream Description

This waste stream consists of beryllium reflector blocks and outer shim control cylinders (OSCCs) removed from the Advanced Test Reactor (ATR) at INL.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

C - AW - 1

Waste Stream ID: AW-W018

Appendix C

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	X7520	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SODIUM - TRU					**Activity Concentrations Decayed to CY**	1996

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Liner - RSWF	0.6	0.0	0.6
Liner - RSWF	3.4	0.0	3.4
Current Form Total	4.0	0.0	4.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	4.5	0.0	4.5
Final Form Total	4.5	0.0	4.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2035.00
Aluminum-based Metals/Alloys	0.00
Other Metals	254.40
Other Inorganic Materials	127.20
Cellulosics	127.20
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.45E+02
Cs-137	6.71E+04
Pu-238	3.61E+02
Pu-239	6.41E+03
Pu-240	1.08E+03
Pu-241	2.67E+04
Sr-90	2.74E+04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

317

Waste Stream Description

Sodium was used as a primary and secondary coolant for the EBR-II reactor. Waste sodium metal is a hazardous constituent of some of the TRU waste stored at the ANL-W Radioactive Scrap and Waste Facility (RSWF). The waste was generated during maintenance and operational activities. The sodium typically coats waste metal equipment, experiments, and components removed during reactor operations and maintenance activities or is contained in blanket elements. This waste will require treatment prior to disposal at WIPP. Final waste form has not been determined yet, but the sodium will be removed from the waste. Once removed, the resulting waste may not be considered TRU, especially in the case of sodium-bonded blanket fuels.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W019

Appendix C

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	X7520	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Likely Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	SODIUM POTASSIUM -NaK- TRU			**Activity Concentrations Decayed to CY**	1996		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Liner - RSWF	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2077.60
Aluminum-based Metals/Alloys	0.00
Other Metals	259.70
Other Inorganic Materials	130.00
Cellulosics	130.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.81E+02
Cs-137	8.37E+04
Pu-238	4.51E+02
Pu-239	7.99E+03
Pu-240	1.34E+03
Pu-241	3.33E+04
Sr-90	3.42E+04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

317

Waste Stream Description

Sodium potassium alloy (NaK) was used as a coolant for some components of the EBR-II Reactor. Waste NaK metal is a hazardous constituent of some transuranic wastes stored at the ANL-W Radioactive Scrap and Waste Facility (RSWF). The remote-handled NaK waste at RSWF is contained in stainless steel capsules or tubing and placed inside carbon steel waste cans which then are placed in stainless steel outer cans. The entire package is then stored in RSWF storage liners (carbon steel soil storage vaults). The NaK was generated during maintenance and operational activities. NaK waste is in canisters with TRU waste metal pieces and rods from reactor experiments. This waste will require treatment prior to disposal at WIPP. Final waste form has not been determined yet.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W029

Appendix C

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Likely Defense-Related	**Handling**	RH
Stream Name	RSWF TRANSURANIC WASTE			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	1996

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Liner - RSWF	1.5	0.0	1.5
Liner - RSWF	2.1	0.0	2.1
Liner - RSWF	8.5	0.0	8.5
Current Form Total	12.1	0.0	12.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	12.5	0.0	12.5
Final Form Total	12.5	0.0	12.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	126.90
Aluminum-based Metals/Alloys	2.40
Other Metals	266.50
Other Inorganic Materials	14.60
Cellulosics	8.30
Rubber	0.50
Plastics	5.40
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.79E+02
Cs-137	8.28E+04
Pu-238	4.46E+02
Pu-239	7.92E+03
Pu-240	1.33E+03
Pu-241	3.30E+04
Sr-90	3.39E+04

No Hazardous Waste Numbers Provided

TRUCON Code(s)

317

Waste Stream Description

Radioactive Scrap and Waste Facility (RSWF) Waste containers storing TRU waste from various facilities. Waste includes analytical samples, EBR-I waste and subassembly hardware.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: AW-W048

Appendix C

TRU Waste Inventory Profile Report

Site	Argonne National Laboratory - West	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Likely Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	FCF Indirect RH-MTRU Waste			**Activity Concentrations Decayed to CY**	2006		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Canister - (MFC) o/p 45-gal Drums	2.0	4.1	6.1
Liner - RSWF	0.2	0.0	0.2
Current Form Total	2.2	4.1	6.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	1.8	4.5	6.2
Final Form Total	1.8	4.5	6.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	526.00
Aluminum-based Metals/Alloys	42.30
Other Metals	472.70
Other Inorganic Materials	44.00
Cellulosics	49.30
Rubber	13.70
Plastics	51.80
Cements	0.00
Inorganic Matrix	73.90
Organic Matrix	0.60
Soils/gravel	2.30
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Cs-137	8.98E+02
Pu-239	4.15E-01
Sr-90	9.76E+02
U-235	1.28E-04

Haz. Waste No(s).

D006

TRUCON Code(s)

325

Waste Stream Description

FCF Argon cell RH-MTRU waste - rags, plastic, glass, rubber, paper, cardboard, aluminum foil, metal, brushes, copper, bolts, smears, nylon sling, insulation, o-rings, etc.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: BT-T006

Appendix C

TRU Waste Inventory Profile Report

Site	Bettis Atomic Power Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Discarding Excess/Expired Materials	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Neutron Sources			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	1967

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Shipping Assembly	49.1	0.0	49.1
Current Form Total	49.1	0.0	49.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SLB2 (5' x 5' x 8) Dir Ld	50.9	0.0	50.9
Final Form Total	50.9	0.0	50.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	373.00
Aluminum-based Metals/Alloys	0.37
Other Metals	501.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.12
Plastics	353.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	216.30
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	9.77E-02
Cm-244	2.26E-11
Cs-137	1.89E-08
Pu-238	7.08E+01
Pu-239	6.27E-02
Pu-240	4.07E-03
Pu-241	1.52E+00
Sr-90	1.87E-08
U-234	4.89E-03
U-235	1.63E-09

Haz. Waste No(s).

D008

TRUCON Code(s)

320

Waste Stream Description

Neutron sources--(current form Source Capsule)

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: FR-MOX-MT02

Appendix C

TRU Waste Inventory Profile Report

Site	Framatome	**Final Waste Form**	Heterogeneous	**Waste Matrix Code** S5400	**Handling** CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination	**Inventory Date**	12/31/2006
Stream Name	Framatome MOX Fuel Plant D&D TRU Heterogeneous Mixed Debris Waste			**Activity Concentrations Decayed to CY**	1986

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
85-gal Drum w/ 1 - 55-gal Drum w/o Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	305.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	56.00
Rubber	21.00
Plastics	4.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.43E-06
Pu-238	1.48E-06
Pu-239	7.20E-07
Pu-240	4.30E-07
Pu-241	6.07E-05
Pu-242	1.00E-08

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

This waste is from the D&D of a Mixed Oxide fuel fabrication plant. Wastes consist of discarded equipment (motors, grinders, scales, etc.) and decontamination wastes (rags, protective clothing, sweeps, etc.) from the D&D of the facility. The 6 M container includes 85 mixed oxide pellets.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: FR-MOX-T01

Appendix C

TRU Waste Inventory Profile Report

Site	Framatome	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	Framatome MOX Fuel Plant D&D TRU Heterogeneous Debris Waste					**Activity Concentrations Decayed to CY**	1986

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
85-gal Drum w/ 1 - 55-gal Drum w/o Liner	8.4	0.0	8.4
85-gal Drum w/ Dot 6-M	0.3	0.0	0.3
Current Form Total	8.7	0.0	8.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	5.6	0.0	5.6
Final Form Total	5.6	0.0	5.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	305.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	56.00
Rubber	21.00
Plastics	4.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.43E-06
Pu-238	1.48E-06
Pu-239	7.20E-07
Pu-240	4.30E-07
Pu-241	6.07E-05
Pu-242	1.00E-08

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

This waste is from the D&D of a Mixed Oxide fuel fabrication plant. Wastes consist of discarded equipment (motors, grinders, scales, etc.) and decontamination wastes (rags, protective clothing, sweeps, etc.) from the D&D of the facility. The 6 M container includes 85 mixed oxide pellets.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-ID-RTC-S5000

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	RH TRU Debris waste from Reactor Technology Complex at THE INL					**Activity Concentrations Decayed to CY**	2009

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	104.0	104.0
Current Form Total	0.0	104.0	104.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	0.0	148.6	148.6
Final Form Total	0.0	148.6	148.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, F002, F005, U134

No TRUCON Codes Provided

Waste Stream Description

This is new waste stream and was never reported in TWBIR. AK report is being preapred to assure that the newly generated waste stream meets WIPP requirements. The waste is planned to be packaged in future (2009-2010). Approximately 500 drums (55 gallon) will be generated from this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-SBW-01A

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	SBW Treatment - Steam Reforming - Carbonate Waste Form			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	3520.0	0.0	3520.0
Current Form Total	3520.0	0.0	3520.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	534.0	0.0	534.0
Final Form Total	534.0	0.0	534.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1360.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.52E-01
Am-243	1.74E-04
Cm-244	1.59E-02
Cs-137	4.62E+02
Np-237	1.64E-02
Pu-238	7.00E+00
Pu-239	9.71E-01
Pu-240	1.05E-01
Pu-241	5.16E+00
Pu-242	8.18E-05
Pu-244	1.17E-12
Sr-90	2.70E+02
Th-230	8.70E-06
U-233	6.69E-07
U-234	1.04E-02
U-235	5.50E-04
U-236	5.55E-05
U-238	2.14E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005, U134

No TRUCON Codes Provided

Waste Stream Description

The liquid SBW would be transferred from the storage tanks to the steam reforming process over a 1.0-year period. The steam reforming process is a fluidized bed reactor that converts the metals dissolved in the nitric acid into a dry granular powder. The fluidized bed operates at temperature between 600 and 1000 degrees centigrade. The carbonate waste form would be removed from the fluidized bed and transferred to the canning facility and placed by 90% loading in to 72-B canisters (direct loaded). The carbonate waste form would be RH-TRU waste, dried to 1% moisture, and would generate approximately 600 canisters with a surface dose rate <100 Rem/hr.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-SBW-01B

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TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SBW Treatment - Steam Reforming Process - Debris					**Activity Concentrations Decayed to CY**	2010

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	0.0	89.0	89.0
Current Form Total	0.0	89.0	89.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	0.0	89.0	89.0
Final Form Total	0.0	89.0	89.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	700.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	2.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.52E-03
Am-243	8.04E-07
Cm-244	1.59E-04
Cs-137	4.62E+00
Np-237	1.64E-04
Pu-238	7.00E-02
Pu-239	9.71E-03
Pu-240	1.05E-03
Pu-241	5.16E-02
Pu-242	8.18E-07
Pu-244	2.00E-14
Sr-90	8.70E+00
Th-230	8.70E-08
U-233	6.69E-09
U-234	1.04E-04
U-235	5.50E-06
U-236	5.55E-06
U-238	2.14E-06

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005, U134

No TRUCON Codes Provided

Waste Stream Description

The debris from the steam reforming process would include spent HEPA filters and other failed equipment.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W146.699

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	TRU HEAVY METAL SLUDGE					**Activity Concentrations Decayed to CY**	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.1	0.0	2.1
Current Form Total	2.1	0.0	2.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	2.3	0.0	2.3
Final Form Total	2.3	0.0	2.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	394.20
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	399.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	3.24E-01
Cm-244	4.06E-01
Cs-137	3.07E+01
Pu-238	3.70E-01
Pu-239	3.03E-01
Sr-90	4.18E+01

Haz. Waste No(s).

D006, D007, D008, D009, D011

No TRUCON Codes Provided

Waste Stream Description

The waste stream was sludge generated from four catch tanks that were removed from service. The sludge was generated from activitiy in the TRA Hot Cell and the TRA Chemistry Laboratories. This was generated only "one time."

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W159.1072

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TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3125
Source Cat.	Pollution Control or Waste Treatment Process	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	EVAPORATOR AND DISSOLVER SLUDGE:Direct Ship			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
Current Form Total	0.8	0.0	0.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	0.00E+00
Pu-238	7.88E+02
Pu-239	5.85E+00
Pu-240	0.00E+00
Pu-241	0.00E+00
Pu-242	0.00E+00

Haz. Waste No(s).

D001, D009

No TRUCON Codes Provided

Waste Stream Description

This waste stream, generated at Mound Laboratory, consists of dry evaporator and dissolver sludge and insoluble residue. The consistency ranges from powder to sand-like particles. Limited amounts of other noncombustible wastes including Content Codes 803, 805, 810, 813, 814, 826, and 832 may be included. A few containers may have limited amounts of beryllium-contaminated wastes including glass, paper, gloves, and sample precipitates.

There is a potential for and lack of information on fines. In addition the drums may contain free liquids. The expected organic content in the drums is less than 14lb/ft3. No explosive, pyrophoric, or corrosive materials should be in the waste.

After removal from the bottom of dissolver pots, the dried sludge is rinsed with nitric acid and dried on a hotplate. Dried sludges are packaged in 1/2-gallon metal cans and sealed in a PE bag, or else packed in 1/2-gallon plastic-coated cardboard cartons and sealed in a PE bag. Each container is assayed and placed in PVC or PE sleeve bags. Sleeve bags can hold up to 5 containers per bag. Up to 8 sleeve bags are placed in each prepared 55-gallon drum. Drums are prepared according to post-1972 procedures, with plywood spacers as needed between on top of the rigid drum liner lid.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W325.1076

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S9000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Cert-repack			**Activity Concentrations Decayed to CY**	1989		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.30
Other Inorganic Materials	11.10
Cellulosics	63.00
Rubber	19.30
Plastics	191.80
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	3.23E+01

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no content information for this waste stream, which was generated at Mound Laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: IN-W325.679

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S9000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Direct Ship					**Activity Concentrations Decayed to CY**	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
SWB w/ 4 - 55-gal Drums w/ Liners	5.7	0.0	5.7
Final Form Total	5.9	0.0	5.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.17
Other Inorganic Materials	6.44
Cellulosics	36.55
Rubber	11.20
Plastics	111.27
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	208.26
Packaging Material, Plastic	17.03
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	3.23E+01

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no content information for this waste stream, which was generated at Mound Laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W341.671

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	ANL-W HFEF ANALYTICAL CHEMISTRY AND META:Cert-repack					**Activity Concentrations Decayed to CY**	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Insert	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	9.39E+00
U-235	1.33E-03

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This wastestream, which was generated at ANL-W was generated during analytical chemistry and metallography operations. Item Description Code (IDC) 153 was replaced by IDC 160, ANL-W HFEF Analytical Chemistry and Metallographic Combsutibles. The waste package contains lead as shielding.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W341.954

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5440	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	ANL-W HFEF ANALYTICAL CHEMISTRY AND META:Direct Ship					**Activity Concentrations Decayed to CY**	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Insert	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB w/ 4 - 55-gal Drums w/ Liners	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	211.10
Packaging Material, Plastic	16.30
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	3.10E+00
U-235	4.38E-04

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This wastestream, which was generated at ANL-W was generated during analytical chemistry and metallography operations. Item Description Code (IDC) 153 was replaced by IDC 160, ANL-W HFEF Analytical Chemistry and Metallographic Combsutibles. The waste package contains lead as shielding.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W350.650

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S9000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SPECIAL SOURCE MATERIAL:Direct Ship					**Activity Concentrations Decayed to CY**	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	5.74E+01
Pu-240	1.76E+02

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at ANL-E.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W350.923

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S9000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	SPECIAL SOURCE MATERIAL: Cert-repack			**Activity Concentrations Decayed to CY**	1989		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-239	5.74E+01
Pu-240	1.76E+02

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at ANL-E.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W353.859

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	SOLIDIFIED SOLUTIONS:Direct Ship					**Activity Concentrations Decayed to CY**	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Np-237	3.33E-04
Pu-239	1.20E-01

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream is from Bettis Atomic Power Laboratory. It consists of a single drum of TRU. No more information is available, but the waste is thought to be solidified inorganic solutions.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W359.853

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S9000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	NEUTRON SOURCES					**Activity Concentrations Decayed to CY**	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	0.0	0.8
Final Form Total	0.8	0.0	0.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	1.41E+02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

111/211

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W360.852

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S9000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	MISCELLANEOUS SOURCES:RH Direct Ship					**Activity Concentrations Decayed to CY**	1989

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: IN-W360.912

Appendix C

TRU Waste Inventory Profile Report

Site	Idaho National Laboratory	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S9000	**Handling**	CH
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	MISCELLANEOUS SOURCES:Cert-repack			**Activity Concentrations Decayed to CY**	1989		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-LA238HOR

Appendix C

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Pu-238 Homogeneous, Hazardous			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	7.9	8.7
Current Form Total	0.8	7.9	8.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.8	7.9	8.7
Final Form Total	0.8	7.9	8.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.03
Cements	0.00
Inorganic Matrix	4.77
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.88E-02
Pu-238	2.18E+02
Pu-239	1.31E-01
Pu-240	6.67E-02
Pu-241	4.89E+00
Pu-242	5.36E-05

Haz. Waste No(s).

D005, D006, D007, D008, D009, D010, D011

TRUCON Code(s)

111/211

Waste Stream Description

Pu-238 Homogeneous, Hazardous

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-03-17

Appendix C

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Hepa Filters					**Activity Concentrations Decayed to CY**	1972

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
Box - Crate	19.2	0.0	19.2
Current Form Total	20.2	0.0	20.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	1.0	0.0	1.0
SWB Dir Ld w/ Liner	20.8	0.0	20.8
Final Form Total	21.8	0.0	21.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	90.43
Aluminum-based Metals/Alloys	0.00
Other Metals	30.09
Other Inorganic Materials	145.73
Cellulosics	116.97
Rubber	11.83
Plastics	344.25
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	152.42
Packaging Material, Plastic	2.91
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	0.00E+00
Pu-238	0.00E+00
Pu-239	0.00E+00
U-235	0.00E+00
U-238	0.00E+00

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Hepa Filters

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LA-TA-55-52

Appendix C

TRU Waste Inventory Profile Report

Site	Los Alamos National Laboratory	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3200	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Likely Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Oil on vermiculite, corrosive waste not for disposal at WIPP (mixed).					**Activity Concentrations Decayed to CY**	1998

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.18
Aluminum-based Metals/Alloys	0.18
Other Metals	0.18
Other Inorganic Materials	0.18
Cellulosics	0.18
Rubber	0.18
Plastics	0.18
Cements	0.00
Inorganic Matrix	165.82
Organic Matrix	828.39
Soils/gravel	110.61
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.02E+00
Pu-238	5.98E+01
Pu-239	7.18E+00
Pu-240	2.14E+00
Pu-241	3.80E+01
Pu-242	2.52E-04
U-235	4.42E-05
U-238	3.69E-06

Haz. Waste No(s).

D019

TRUCON Code(s)

112/212

Waste Stream Description

Solidified Organic Oil on vermiculite, corrosive waste not for disposal at WIPP (mixed).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

C - LA - 3

Waste Stream ID: LB-T002

Appendix C

TRU Waste Inventory Profile Report

Site	Lawrence Berkeley Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	LBL - Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	1992

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
12.2-gal Drum	0.2	0.0	0.2
2.5-gal Drum	0.0	0.0	0.0
30-gal Drum	0.1	0.0	0.1
5-gal Drum	0.3	0.0	0.3
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Final Form Total	0.4	0.0	0.4

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.38
Aluminum-based Metals/Alloys	0.00
Other Metals	5.89
Other Inorganic Materials	23.40
Cellulosics	7.90
Rubber	0.03
Plastics	6.60
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.70E-01
Am-243	2.60E-04
Cm-244	1.70E-03
Cs-137	5.00E-09
Np-237	4.00E-03
Pu-238	7.10E-03
Pu-239	5.50E-02
Pu-240	9.00E-05
Pu-241	3.60E-02
U-235	4.10E-07

Haz. Waste No(s).

D005, D006, D007, D008, D009, D010, D011, D018, D022, D028, D035, D039, F003, F005

TRUCON Code(s)

125/225

Waste Stream Description

Heterogeneous transuranic mixed waste

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LL-T001

Appendix C

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	R&D Glovebox Waste (Form 1)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	229.2	229.2
55-gal POC - 12" w/o Liner	0.0	4.0	4.0
SWB Dir Ld w/o Liner	0.0	35.9	35.9
Current Form Total	0.0	269.1	269.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	229.2	229.2
55-gal POC - 12" w/o Liner	0.0	4.0	4.0
SWB Dir Ld w/o Liner	0.0	35.9	35.9
Final Form Total	0.0	269.1	269.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	139.65
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	2.02
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Specific waste items in this waste stream may include paper cartons, cardboard, Kimwipes, cotton swabs, tissues, cheesecloth, grinding paper, plastic (e.g., bags, sheet, tape, containers, pipette tips, and glovebox windows), Neoprene and Hypalon gloves (non-leaded), aluminum foil, tin cans, hardware (e.g., nuts, bolts, washers, fittings, gauges, fixtures, thermocouples), metal tools (e.g., screwdrivers and pliers), metal parts, equipment (without circuit boards), copper (wire, tubing, flanges, rods, and molds), sealed sources, aerosol cans, glass (e.g., beakers, vials, and ion exchange columns with resin), graphite molds , crucibles (magnesium oxide, tantalum), epoxy resin chunks, and small quantities of pyrochemical salts and solidified aqueous or organic liquids (individual drums contain less than 50 percent, by volume, solidified liquids, and/or salts).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: LL-T003

Appendix C

TRU Waste Inventory Profile Report

Site	Lawrence Livermore National Laboratory	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5100
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Combined metal scrap & incidental combust (Form 3)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SLB2 (5' x 5' x 8) Dir Ld	0.0	283.0	283.0
SWB Dir Ld w/o Liner	0.0	192.8	192.8
Current Form Total	0.0	475.8	475.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SLB2 (5' x 5' x 8) Dir Ld	0.0	283.0	283.0
SWB Dir Ld w/o Liner	0.0	192.8	192.8
Final Form Total	0.0	475.8	475.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	190.85
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste steram is composed primarily of objects which, because of physical size, cannot be packaged in a 55-gallon drum. Typical objects include decommissioned gloveboxes, hoods, and large pieces of equipment (lathes, mills, etc.). The void space in boxes may be filled with other TRU waste items or with foam in plastic bags.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

C - LL - 2

Waste Stream ID: MC-W002

Appendix C

TRU Waste Inventory Profile Report

Site	U.S. Army Materiel Command	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5110	**Handling**	CH
Source Cat.	Discarding Excess/Expired Materials	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	USAMC TRU Waste					**Activity Concentrations Decayed to CY**	1995

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.1	0.0	0.1
Current Form Total	0.1	0.0	0.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal S100 POC - 6" w/ Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	190.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	320.70
Packaging Material, Plastic	713.00
Packaging Material, Cellulosics	69.70
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.40E+00

Haz. Waste No(s).

D003

TRUCON Code(s)

120/220

Waste Stream Description

Army sealed sources

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

C - MC - 1

Waste Stream ID: PA-A015

Appendix C

TRU Waste Inventory Profile Report

Site	Paducah Gaseous Diffusion Plant	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	S3129	**Handling**	CH
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	Transuranic - Solid			**Activity Concentrations Decayed to CY**	1989		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
110-gal Drum w/ 1 - 85-gal Drum w/ 1 55-gal Dru	0.8	0.0	0.8
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	1.9	0.0	1.9
Current Form Total	2.8	0.0	2.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.00E-02
Np-237	1.80E-02
Pu-238	1.60E-03
Pu-239	1.90E-01
Th-230	4.90E-03

Haz. Waste No(s).

D007

TRUCON Code(s)

112/212

Waste Stream Description

Transuranic Waste Class C, andTransuranic Waste Basic, class C filter/White Powder

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: PA-W014

Appendix C

TRU Waste Inventory Profile Report

Site	Paducah Gaseous Diffusion Plant	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	L1220
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Transuranic Waste Liquid/Solids			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	1990

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
30-gal Drum	0.3	0.0	0.3
55-gal Drum Dir Ld w/ Liner	0.2	0.0	0.2
5-gal Drum	0.0	0.0	0.0
85-gal Drum w/ 1 - 55-gal Drum w/ Liner	2.9	0.0	2.9
Current Form Total	3.5	0.0	3.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	5.70E-02
Np-237	7.10E-01
Pu-239	5.50E-02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

114/214

Waste Stream Description

Transuranic Waste Basic class C

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL105-09A

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	105KE knockout pots TRU RH mixed solidified inorganics					**Activity Concentrations Decayed to CY**	2001

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	0.4	0.0	0.4
Current Form Total	0.4	0.0	0.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	0.9	0.0	0.9
Final Form Total	0.9	0.0	0.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	212.02
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	7.91
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	778.27
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.67E+03
Cs-137	6.56E+04
Pu-238	5.04E+02
Pu-239	9.97E+02
Pu-240	6.48E+02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

311

Waste Stream Description

The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REACTOR FACILITY.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL618-01

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	618 - 10&11 Burial Grounds TRU Mixed Debris			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	837.5	0.0	837.5
Uncontained	8341.0	0.0	8341.0
Current Form Total	9178.5	0.0	9178.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	829.5	0.0	829.5
SWB Dir Ld w/ Liner	8297.1	0.0	8297.1
Final Form Total	9126.6	0.0	9126.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	13.39
Aluminum-based Metals/Alloys	0.00
Other Metals	24.10
Other Inorganic Materials	23.22
Cellulosics	1.79
Rubber	3.57
Plastics	3.57
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	8.93
Soils/gravel	8.93
Vitrified	0.00
Packaging Material, Steel	151.44
Packaging Material, Plastic	4.45
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.98E-01
Cs-137	3.09E+02
Pu-238	2.73E-03
Pu-239	1.09E+01
Pu-240	1.04E+00
Pu-241	8.39E-01
Pu-242	6.26E-06
Sr-90	2.81E+02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

Retrieved containerized debris waste from Burial Grounds 618 - 10 and 11

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RL618-07

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	618 - 10&11 Burial Grounds TRU RH Non-mixed Debris					**Activity Concentrations Decayed to CY**	2006

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	8.3	0.0	8.3
Uncontained	83.2	0.0	83.2
Current Form Total	91.5	0.0	91.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/ Liner	130.8	0.0	130.8
Final Form Total	130.8	0.0	130.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	184.11
Aluminum-based Metals/Alloys	0.00
Other Metals	332.00
Other Inorganic Materials	356.00
Cellulosics	24.55
Rubber	49.10
Plastics	49.10
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	122.74
Soils/gravel	122.74
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	26.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.85E+00
Cs-137	4.25E+03
Pu-238	3.76E-02
Pu-239	1.50E+02
Pu-240	1.42E+01
Pu-241	1.15E+01
Pu-242	8.60E-05
Sr-90	3.87E+03

No Hazardous Waste Numbers Provided

TRUCON Code(s)

325

Waste Stream Description

Retrieved containerized debris waste from Burial Grounds 618 - 10 and 11.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLCH2-08

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Tank Farms TRU RH Mixed Debris					**Activity Concentrations Decayed to CY**	2001

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	294.0	0.0	294.0
Current Form Total	294.0	0.0	294.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	293.7	0.0	293.7
Final Form Total	293.7	0.0	293.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	2.99
Aluminum-based Metals/Alloys	0.00
Other Metals	362.87
Other Inorganic Materials	7.16
Cellulosics	0.00
Rubber	44.56
Plastics	12.39
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	8.20E-02
Pu-238	5.30E-02
Pu-239	3.77E-03
Pu-240	2.93E-03
Pu-241	6.26E-03
Pu-242	8.41E-09

No Hazardous Waste Numbers Provided

TRUCON Code(s)

112/212

Waste Stream Description

Equipment removed from waste tanks (instrument trees, pumps, circulators, agitators, heaters, sluicers, steam coils, air lances, cameras). The waste stream ranges from contaminated clothing to process equipment contaminated with RCRA constituents.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RLRFET-01

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (Richland) Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Rocky Flats TRU Mixed Debris					**Activity Concentrations Decayed to CY**	1984

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	202.6	0.0	202.6
Current Form Total	202.6	0.0	202.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	245.2	0.0	245.2
Final Form Total	245.2	0.0	245.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	552.00
Aluminum-based Metals/Alloys	87.00
Other Metals	0.00
Other Inorganic Materials	43.00
Cellulosics	105.00
Rubber	45.00
Plastics	107.00
Cements	0.00
Inorganic Matrix	15.00
Organic Matrix	0.00
Soils/gravel	18.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.19E+00
Cs-137	5.21E-03
Pu-238	2.39E+00
Pu-239	3.02E+01
Pu-240	7.44E+00
Pu-241	1.44E+02
Pu-242	6.40E-04
Sr-90	4.77E-03
U-234	1.90E-01
U-235	3.54E-04
U-238	2.12E-02

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RP-TFC001

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (River Protection) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Bismuth Phosphate Process TRU Solids			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2004

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	1200.0	0.0	1200.0
Current Form Total	1200.0	0.0	1200.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	438.7	0.0	438.7
Final Form Total	438.7	0.0	438.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.60
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	7.37E-02
Cs-137	6.11E-01
Np-237	1.22E-05
Pu-238	6.60E-03
Pu-239	5.16E-01
Pu-240	6.23E-02
Pu-241	1.89E-01
Pu-242	3.08E-06
Sr-90	7.98E+00
U-233	1.10E-09
U-234	1.68E-03
U-235	5.42E-05
U-236	1.62E-05
U-238	1.24E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D030, D033, D034, D035, D036, D038, D039, D040, D041, D043, F001, F002, F003, F004, F005

No TRUCON Codes Provided

Waste Stream Description

Solidified aqueous waste slurry

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

C - RP - 1

Waste Stream ID: RP-TFC002

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (River Protection) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	RH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Bismuth Phosphate Process TRU Solids mixed with Fission Product Waste					**Activity Concentrations Decayed to CY**	2004

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	3040.0	0.0	3040.0
Current Form Total	3040.0	0.0	3040.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	1918.8	0.0	1918.8
Final Form Total	1918.8	0.0	1918.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.37
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.50E-01
Cs-137	1.05E+02
Np-237	1.31E-04
Pu-238	6.07E-03
Pu-239	3.64E-01
Pu-240	4.17E-02
Pu-241	1.11E-01
Pu-242	9.86E-07
Sr-90	2.46E+02
U-233	6.57E-04
U-234	1.81E-03
U-235	8.00E-05
U-236	2.16E-05
U-238	1.83E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D030, D033, D034, D035, D036, D038, D039, D040, D041, D043, F001, F002, F003, F004, F005

No TRUCON Codes Provided

Waste Stream Description

Solidified aqueous waste slurry

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RP-TFC003

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (River Protection) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	RH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	Bismuth Phosphate Process TRU Solids mixed with Fission Product Waste					**Activity Concentrations Decayed to CY**	2004

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	370.0	0.0	370.0
Current Form Total	370.0	0.0	370.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	258.1	0.0	258.1
Final Form Total	258.1	0.0	258.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.37
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.36E-01
Cs-137	2.15E+01
Np-237	1.39E-06
Pu-238	4.87E-03
Pu-239	6.46E-01
Pu-240	6.85E-02
Pu-241	1.94E-01
Pu-242	3.40E-06
Sr-90	1.21E+02
U-233	1.42E-09
U-234	1.80E-03
U-235	7.49E-05
U-236	1.89E-05
U-238	1.69E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D030, D033, D034, D035, D036, D038, D039, D040, D041, D043, F001, F002, F003, F004, F005

No TRUCON Codes Provided

Waste Stream Description

Solidified aqueous waste slurry

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RP-W013

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (River Protection) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100	**Handling**	RH
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related			**Inventory Date**	12/31/2006
Stream Name	PFP TRU Solids					**Activity Concentrations Decayed to CY**	2004

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	270.0	0.0	270.0
Current Form Total	270.0	0.0	270.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	410.3	0.0	410.3
Final Form Total	410.3	0.0	410.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.37
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	6.05E+01
Cs-137	1.95E+02
Np-237	2.21E-03
Pu-238	6.58E-01
Pu-239	1.40E+01
Pu-240	3.23E+00
Pu-241	3.25E+01
Pu-242	2.58E-04
Sr-90	4.37E+02
U-233	5.17E-03
U-234	2.62E-03
U-235	1.09E-04
U-236	6.33E-05
U-238	2.44E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D030, D033, D034, D035, D036, D038, D039, D040, D041, D043, F001, F002, F003, F004, F005

No TRUCON Codes Provided

Waste Stream Description

Solidified aqueous waste slurry.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RP-W016

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (River Protection) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	RH
Stream Name	PUREX TRU Cladding Removal Solids			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2004

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	2030.0	0.0	2030.0
Current Form Total	2030.0	0.0	2030.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	1277.2	0.0	1277.2
Final Form Total	1277.2	0.0	1277.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.37
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	4.69E-01
Cs-137	5.47E+01
Np-237	1.10E-05
Pu-238	9.11E-02
Pu-239	9.17E-01
Pu-240	2.58E-01
Pu-241	6.62E+00
Pu-242	3.27E-05
Sr-90	3.63E+01
U-233	1.60E-07
U-234	1.28E-02
U-235	4.91E-04
U-236	1.24E-03
U-238	8.82E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D030, D033, D034, D035, D036, D038, D039, D040, D041, D043, F001, F002, F003, F004, F005

No TRUCON Codes Provided

Waste Stream Description

Solidified aqueous waste slurry

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RP-W754

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (River Protection) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	224 Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2004

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	1079.0	0.0	1079.0
Current Form Total	1079.0	0.0	1079.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	323.2	0.0	323.2
Final Form Total	323.2	0.0	323.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.60
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.20E-01
Cs-137	1.66E-01
Np-237	1.62E-06
Pu-238	1.11E-02
Pu-239	1.55E+00
Pu-240	1.29E-01
Pu-241	2.16E-01
Pu-242	4.91E-06
Sr-90	3.36E+00
U-233	1.24E-10
U-234	1.79E-04
U-235	7.25E-06
U-236	1.75E-06
U-238	1.64E-04

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D030, D033, D034, D035, D036, D038, D039, D040, D041, D043, F001, F002, F003, F004, F005

No TRUCON Codes Provided

Waste Stream Description

Solidified aqueous waste slurry.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: RP-W755

Appendix C

TRU Waste Inventory Profile Report

Site	Hanford (River Protection) Site	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3100
Source Cat.	Materials Production/Recovery Effluents	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Bismuth Phosphate Process TRU Solids			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2004

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	3090.0	0.0	3090.0
Current Form Total	3090.0	0.0	3090.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	793.5	0.0	793.5
Final Form Total	793.5	0.0	793.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.60
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.41E-01
Cs-137	3.32E-01
Np-237	8.04E-05
Pu-238	2.97E-03
Pu-239	5.40E-01
Pu-240	4.38E-02
Pu-241	6.82E-02
Pu-242	5.51E-07
Sr-90	1.20E+01
U-233	3.11E-09
U-234	3.61E-03
U-235	1.60E-04
U-236	2.90E-05
U-238	3.67E-03

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D028, D029, D030, D033, D034, D035, D036, D038, D039, D040, D041, D043, F001, F002, F003, F004, F005

No TRUCON Codes Provided

Waste Stream Description

Solidified aqueous waste slurry

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SP-T001

Appendix C

TRU Waste Inventory Profile Report

Site	Separations Process Research Unit	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3120	**Handling**	CH
Source Cat.	R&D/R&D Laboratory Waste	**Defense Determination**	Defense-Related	**Inventory Date**	12/31/2006		
Stream Name	N/A			**Activity Concentrations Decayed to CY**	N/A		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Tank(s)	50.0	0.0	50.0
Current Form Total	50.0	0.0	50.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	49.9	0.0	49.9
Final Form Total	49.9	0.0	49.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	0.00E+00
Cs-137	0.00E+00
Pu-239	0.00E+00
Sr-90	0.00E+00

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Separations Process Research Unit.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-T001-773A-CLAS

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Other/Multiple Sources	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH TRU - Waste from 773A			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	1990

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
Box - Steel	28.2	0.0	28.2
SWB Dir Ld w/ Liner	5.7	0.0	5.7
Current Form Total	34.3	0.0	34.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.4	0.0	0.4
SLB2 (5' x 5' x 8) Dir Ld	118.9	0.0	118.9
SWB Dir Ld w/o Liner	5.7	0.0	5.7
Final Form Total	124.9	0.0	124.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	129.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	32.10
Cellulosics	26.70
Rubber	0.00
Plastics	5.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	213.17
Packaging Material, Plastic	0.12
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

Haz. Waste No(s).

D004, D005, D006, D007, D008, D009, D010, D011, D019, D022, D027, D028, D029, D043, F002, F003, F004, F005

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is defense related, contact handled TRU waste and is composed of metal equipment and debris

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

C - SR - 1

Waste Stream ID: SR-T001-WSB-1

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Unknown	**Waste Matrix Code**	N/A
Source Cat.	Source Unknown	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	UNKNOWN			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2015

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	0.0	4910.2	4910.2
Current Form Total	0.0	4910.2	4910.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SWB Dir Ld w/ Liner	0.0	4910.2	4910.2
Final Form Total	0.0	4910.2	4910.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	2300.00
Inorganic Matrix	720.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	153.50
Packaging Material, Plastic	1.20
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.99E+02
Pu-238	6.77E-03
Pu-239	4.44E-02
Pu-240	1.69E-02
Pu-241	8.17E+00
U-234	1.32E-03
U-235	4.25E-05
U-236	6.83E-07
U-238	3.84E-07

Haz. Waste No(s).

D008, D009

No TRUCON Codes Provided

Waste Stream Description

This waste stream is defense related, contact handled TRU and is a neutralized aqueous stream solidified in an inorganic matrix (cement).

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-T001-WSB-3

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Unknown	**Waste Matrix Code**	N/A
Source Cat.	Source Unknown	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	UNKNOWN			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2015

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	143.9	143.9
Current Form Total	0.0	143.9	143.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	143.9	143.9
Final Form Total	0.0	143.9	143.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	250.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	2.99E+02
Pu-238	6.15E-01
Pu-239	4.04E+00
Pu-240	1.48E+00
Pu-241	7.45E+00
U-234	4.51E-03
U-235	1.45E-04
U-238	1.31E-06

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream is defense related, contact handled TRU and is a neutralized aqueous stream in an inorganic sorbent.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

C - SR - 3

Waste Stream ID: SR-W026-MFFF-1

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	UNKNOWN			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2015

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	3504.2	3504.2
Current Form Total	0.0	3504.2	3504.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	3504.2	3504.2
Final Form Total	0.0	3504.2	3504.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.13
Aluminum-based Metals/Alloys	0.07
Other Metals	0.04
Other Inorganic Materials	1.24
Cellulosics	2.20
Rubber	0.26
Plastics	15.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Pu-238	4.11E-01
Pu-239	2.69E+00
Pu-240	9.86E-01
Pu-241	4.95E+00
U-234	3.00E-06
U-235	9.66E-07
U-236	1.58E-08
U-238	8.75E-09

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is defense related, contact handled TRU and is composed of heterogeneous debris which can include HEPA filters, plastic, protective clothing, metal, gloves, lead lined gloves and sludges.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W026-PDCF-1

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	N/A
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	UNKNOWN			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2017

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	2146.6	2146.6
Current Form Total	0.0	2146.6	2146.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	2146.6	2146.6
Final Form Total	0.0	2146.6	2146.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.13
Aluminum-based Metals/Alloys	0.07
Other Metals	0.04
Other Inorganic Materials	1.24
Cellulosics	2.20
Rubber	0.26
Plastics	15.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is defense related, contact handled TRU and is composed of heterogeneous debris which can include HEPA filters, plastic, protective clothing, metal ingots including beryllium, gloves, lead lined gloves and sludges.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

C - SR - 5

Waste Stream ID: SR-W026-WSB-2

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	UNKNOWN			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2015

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	625.9	625.9
Current Form Total	0.0	625.9	625.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	0.0	625.9	625.9
Final Form Total	0.0	625.9	625.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	3.13
Aluminum-based Metals/Alloys	0.07
Other Metals	0.04
Other Inorganic Materials	1.24
Cellulosics	2.20
Rubber	0.26
Plastics	15.30
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	1.32E+02
Pu-238	9.66E-06
Pu-239	1.98E-01
Pu-240	9.86E-02
Pu-241	1.98E-01
Pu-242	7.54E-06
U-234	3.00E-04
U-235	9.66E-06
U-236	1.56E-07
U-238	9.08E-08

Haz. Waste No(s).

D008

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream is defense related, contact handled TRU and is composed of heterogeneous debris with can include HEPA filters, plastic, protective clothing, metal, gloves, lead lined gloves, and sludges.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-221H-HET-B

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Discarding Excess/Expired Materials	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	Heterogeneous debris from 221H			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	2004

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	14.8	0.0	14.8
Current Form Total	14.8	0.0	14.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	14.8	0.0	14.8
Final Form Total	14.8	0.0	14.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

TRUCON Code(s)

125/225

Waste Stream Description

This waste stream has been seperated from it's parent waste stream SR-W027-221H-HET.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-HBL-Box-B

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000
Source Cat.	Discarding Excess/Expired Materials	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH mixed TRU from 221H			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	1990

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - SRS Black Box	128.1	0.0	128.1
Current Form Total	128.1	0.0	128.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
SLB2 (5' x 5' x 8) Dir Ld	101.9	0.0	101.9
Final Form Total	101.9	0.0	101.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	216.30
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream has been seperated from it's parent waste stream SR-W027-HBL-Box.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: SR-W027-SRSG-SOIL

Appendix C

TRU Waste Inventory Profile Report

Site	Savannah River Site	**Final Waste Form**	Soils	**Waste Matrix Code**	S4000
Source Cat.	Source Information Not Compiled	**Defense Determination**	Defense-Related	**Handling**	CH
Stream Name	CH Mixed TRU Soil / Gravel (S4000)			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	1977

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.3	0.0	3.3
Current Form Total	3.3	0.0	3.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/ Liner	3.3	0.0	3.3
Final Form Total	3.3	0.0	3.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	2162.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	37.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m^3)
Am-241	0.00E+00
Am-243	0.00E+00
Cm-244	0.00E+00
Cs-137	0.00E+00
Pu-238	0.00E+00
Pu-239	0.00E+00
Pu-240	0.00E+00
Pu-241	0.00E+00
Pu-242	0.00E+00
Sr-90	0.00E+00

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

Mixed TRU Soil and Gravel from spill clean up.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: VN-CHT001

Appendix C

TRU Waste Inventory Profile Report

Site	GE - Vallecitos Nuclear Center	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	Heterogeneous debris					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Hot Cell	20.2	0.0	20.2
Current Form Total	20.2	0.0	20.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	20.2	0.0	20.2
Final Form Total	20.2	0.0	20.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste will be generated from refurbishment of an alpha high-level hot cell.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: VN-RHT001

Appendix C

TRU Waste Inventory Profile Report

Site	GE - Vallecitos Nuclear Center	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	Heterogeneous debris					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Hot Cell	12.5	0.0	12.5
Current Form Total	12.5	0.0	12.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid - Dir Ld	12.5	0.0	12.5
Final Form Total	12.5	0.0	12.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	560.60
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

The waste will be generated from the refurbishment of an alpha high-level hot cell.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-M005

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	TRU Filters			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	2.9	0.0	2.9
Box - Misc	4.1	0.0	4.1
Box - Misc	8.3	0.0	8.3
Box - Misc	10.2	0.0	10.2
Box - Misc	12.7	0.0	12.7
Box - Misc	14.7	0.0	14.7
Box - Misc	19.0	0.0	19.0
Box - Misc	23.8	0.0	23.8
Box - Misc	23.8	0.0	23.8
Current Form Total	119.4	0.0	119.4

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	119.8	0.0	119.8
Final Form Total	119.8	0.0	119.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of filters generated from normal site operations. The specific contents include pre-filters, High Efficiency Particulate Air (HEPA) filters, and roughing filters.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-M007

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Unknown	**Waste Matrix Code**	U9999	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	TRU General Waste					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	10.8	0.0	10.8
Current Form Total	10.8	0.0	10.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	10.8	0.0	10.8
Final Form Total	10.8	0.0	10.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

Haz. Waste No(s).

D007, D008

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of uncharacterized (i.e., requires hazardous characterization) general site waste generated from normal site operations. The specific contents of this waste stream are unknown.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-M008

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3150
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	TRU Concrete			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.2	0.0	0.2
Current Form Total	0.2	0.0	0.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.2	0.0	0.2
Final Form Total	0.2	0.0	0.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of samples solidified with cement generated from the on-site A&PC laboratory.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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Waste Stream ID: WV-M010

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3190	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	TRU Spent Absorbents					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.8	0.0	0.8
Current Form Total	0.8	0.0	0.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.8	0.0	0.8
Final Form Total	0.8	0.0	0.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of spent absorbents generated from site operations. The media absorbed is not known for this waste stream.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-M013

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3131	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	Sweeping Compound					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1.9	0.0	1.9
Current Form Total	1.9	0.0	1.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1.9	0.0	1.9
Final Form Total	1.9	0.0	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

Haz. Waste No(s).

D007, D008

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of sweeping compound generated from normal site operations. The specific contents include grid and floor debris. This waste stream is considered as hazardous/radioactively contaminated based on the assumption that the waste contains lead and chromium contaminated paint chips.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-M015

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5420	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination	**Inventory Date**	12/31/2006		
Stream Name	Chemical Process Cell General Waste			**Activity Concentrations Decayed to CY**	N/A		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.6	0.0	0.6
Box - Misc	2.0	0.0	2.0
Box - Misc	10.5	0.0	10.5
Current Form Total	13.1	0.0	13.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	13.1	0.0	13.1
Final Form Total	13.1	0.0	13.1

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated as a result of the decommissioning and decontamination of the Chemical Process Cell (CPC). The CPC was previously used to reprocess spent fuel rods. The specific contents of this container include vacuum lines, air lines, floor debris, pipe, & hoses.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T001

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	Fissile Material - Solids			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	8.1	0.0	8.1
Box - Misc	15.3	0.0	15.3
Box - Misc	15.8	0.0	15.8
Current Form Total	39.3	0.0	39.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	31.2	0.0	31.2
Final Form Total	31.2	0.0	31.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of solid fissile material generated from previous decontamination and decommissioning activities. The specific contents include CUNO filters, vacuum cans, glove box debris, piping, hoses, pumps, etc

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T004

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Unknown	**Waste Matrix Code**	U9999
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	Fissile Material - Other			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.6	0.0	0.6
Current Form Total	0.6	0.0	0.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.6	0.0	0.6
Final Form Total	0.6	0.0	0.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	1.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of liquid waste with associated fissile material generated from previous decontamination and decommissioning activities. The specific contents are unknown.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T006

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5490	**Handling**	CH
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	TRU General Waste					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	10.4	10.2	20.6
Current Form Total	10.4	10.2	20.6

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	10.4	10.2	20.6
Final Form Total	10.4	10.2	20.6

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	1.00
Plastics	1.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of radiologically and hazardous general site waste generated from normal site operations. The specific contents include but are not limited to anticontamination clothing, hoses, glove bags, and tools.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T009

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5420	**Handling**	CH
Source Cat.	Analytical Laboratory Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	TRU General Laboratory Waste					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	10.0	21.2	31.2
Current Form Total	10.0	21.2	31.2

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	10.0	21.2	31.2
Final Form Total	10.0	21.2	31.2

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of general laboratory waste generated on-site. The specific contents include anticontamination clothing, bags, wipes, samples, etc.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T011

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	TRU Glove Boxes			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.2	0.0	0.2
Box - Misc	33.9	0.0	33.9
Current Form Total	34.1	0.0	34.1

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	33.9	0.0	33.9
Final Form Total	33.9	0.0	33.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of radiologically and hazardous glove boxes generated from decommissioning and decontamination activities. The specific contents include glove boxes and tools.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T014

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	Chemical Process Cell Vessels					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	270.0	0.0	270.0
Current Form Total	270.0	0.0	270.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	270.0	0.0	270.0
Final Form Total	270.0	0.0	270.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated as a result of the decommissioning and decontamination of the Chemical Process Cell. The specific contents of these containers include evaporators, dissolvers, tanks, condensers, etc. These vessels were previously used to reprocess spent fuel rods.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T016

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Uncategorized Metal	**Waste Matrix Code**	S5111	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	Chemical Process Cell Miscellaneous Equipment					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	146.8	0.0	146.8
Current Form Total	146.8	0.0	146.8

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	146.8	0.0	146.8
Final Form Total	146.8	0.0	146.8

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	1.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream was generated as a result of the decommissioning and decontamination of the Chemical Process Cell (CPC). The specific contents of these containers include various jumpers and miscellaneous equipment, etc. The CPC was previously used to reprocess spent fuel rods.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T017

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3115
Source Cat.	Facility/Equipment Operation and Maintenance Waste	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	Spent Filter Media			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	2.3	0.0	2.3
Current Form Total	2.3	0.0	2.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	2.3	0.0	2.3
Final Form Total	2.3	0.0	2.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of spent filter media generated from filtration of the Fuel Receiving & Storage pool where the remaining spent fuel rods are stored.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T018a

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	RH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	Head End Cell Debris					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Box - Misc	19.5	0.0	19.5
Current Form Total	19.5	0.0	19.5

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	28.5	0.0	28.5
Final Form Total	28.5	0.0	28.5

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of debris generated as a result of decommisioning and decontaminating of head end cells. These cells were used to prep the fuel for reprocessing. Waste from the waste tank farm is also included.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T018b

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5400	**Handling**	CH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	Head End Cell Debris					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	5.0	27.5	32.4
Box - Misc	146.9	0.0	146.9
Current Form Total	151.9	27.5	179.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	151.8	27.5	179.3
Final Form Total	151.8	27.5	179.3

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	1.00
Other Inorganic Materials	0.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of debris generated as a result of decommisioning and decontaminating of head end cells. These cells were used to prep the fuel for reprocessing. Waste from the waste tank farm is also included. This portion of the waste stream is CH.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T019

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	FRS Pool Filters			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	1.9	1.9
Current Form Total	0.0	1.9	1.9

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	1.9	1.9
Final Form Total	0.0	1.9	1.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of cartridge filters stored in sheild boxes

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T020

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Unknown	**Waste Matrix Code**	S5400
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	PPC/XC2 PPE and DAW			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	226.7	226.7
Current Form Total	0.0	226.7	226.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	226.7	226.7
Final Form Total	0.0	226.7	226.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	1.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of PPE, piping, vessels, hoses, and other DAW.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-T021

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Heterogeneous	**Waste Matrix Code**	S5000	**Handling**	RH
Source Cat.	Remediation/D&D Waste	**Defense Determination**	Pending Determination	**Inventory Date**	12/31/2006		
Stream Name	RHWF Process			**Activity Concentrations Decayed to CY**	N/A		

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	0.0	80.7	80.7
Current Form Total	0.0	80.7	80.7

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
RH Can w/ Remov Lid w/ 3 - 55-gal w/o Liner	0.0	115.7	115.7
Final Form Total	0.0	115.7	115.7

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	10.00
Other Inorganic Materials	10.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	652.20
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

This waste consists of misc. metals, filters and plastics.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-W024

Appendix C

TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Lead/Cadmium Metal Wast	**Waste Matrix Code**	S5112	**Handling**	CH
Source Cat.	Discarding Excess/Expired Materials	**Defense Determination**	Pending Determination			**Inventory Date**	12/31/2006
Stream Name	TRU Lead					**Activity Concentrations Decayed to CY**	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1.7	0.0	1.7
Box - Misc	5.1	0.0	5.1
Box - Misc	12.6	0.0	12.6
Current Form Total	19.3	0.0	19.3

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	17.9	0.0	17.9
Final Form Total	17.9	0.0	17.9

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	11340.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

Haz. Waste No(s).

D006, D008

No TRUCON Codes Provided

Waste Stream Description

This waste stream consists of transuranic lead in the following configurations: lead bricks and lead shielding. Note: The size of the waste stream components may be highly variable. In addition to the lead materials listed above, the following wastes are also part of the contents of the containers included in this waste stream: glassware, bags, bottles. oven, ultrasonic chiller, and an old style 8D-2 sample cask. The wastes included in this stream are characterized as mixed because they exhibit the characteristic of toxicity for lead.

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

Waste Stream ID: WV-Z001

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TRU Waste Inventory Profile Report

Site	West Valley Demonstration Project	**Final Waste Form**	Unknown	**Waste Matrix Code**	U9999
Source Cat.	N/A	**Defense Determination**	Pending Determination	**Handling**	CH
Stream Name	West Valley Buried TRU Waste			**Inventory Date**	12/31/2006
				Activity Concentrations Decayed to CY	N/A

Waste Volume Detail (m^3)

Current Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
Uncontained	1353.0	0.0	1353.0
Current Form Total	1353.0	0.0	1353.0

Final Form Volumes			
Container Type	**Stored**	**Proj.**	**Total**
55-gal Drum Dir Ld w/o Liner	1353.0	0.0	1353.0
Final Form Total	1353.0	0.0	1353.0

Waste Material Parameters

Material Parameter	Average Density (kg/m^3)
Iron-based Metals/Alloys	0.00
Aluminum-based Metals/Alloys	0.00
Other Metals	0.00
Other Inorganic Materials	10.00
Cellulosics	0.00
Rubber	0.00
Plastics	0.00
Cements	0.00
Inorganic Matrix	0.00
Organic Matrix	0.00
Soils/gravel	0.00
Vitrified	0.00
Packaging Material, Steel	130.80
Packaging Material, Plastic	0.00
Packaging Material, Cellulosics	0.00
Packaging Material, Lead	0.00

No Final Form Radionuclides Provided

No Hazardous Waste Numbers Provided

No TRUCON Codes Provided

Waste Stream Description

N/A

Comprehensive Inventory Database ver. ***1.00*** *Data ver.* ***D.6.06***

NOTE: Actual numerical values have been rounded for presentation purposes.

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APPENDIX D

Inventory Comparisons

D-1 Introduction

This appendix presents transuranic (TRU) waste inventory comparisons for volumes, waste material parameters, scaling factors, and radionuclide data between the Waste Isolation Pilot Plant (WIPP) Compliance Certification Application (CCA), the Compliance Recertification Application 2004 (CRA) Performance Baseline Calculation (PABC), and this report. The data for the CCA are reported in the Transuranic Waste Baseline Inventory Report (TWBIR), Revision 2 (DOE 1995b), and TWBIR, Revision 3 (DOE 1996a). Data reported for the CRA are from Appendix DATA, Attachment F, of the CRA (DOE 2004) and the TWBIR-2004 DOE (2006c). The TWBIR-2004 is the most recent inventory report prior to this report. The TWBIR-2004 report was prepared to include updated information for EPA's approval of the CRA-2004 and is referred to as the PABC-2004 inventory in this document. This 2007 annual report documents the TRU waste inventory information based on a cutoff date of December 31, 2006. The inventory in this report is referred to as the 2006 Inventory throughout this appendix.

Each TRU generator waste site has provided the WIPP with their best estimates for the volumes, physical characteristics, waste material parameters (WMPs), and radiological characteristics of the individual TRU waste streams that are stored on or projected for their site. Since the TWBIR-2004 was prepared, a number of significant developments have occurred that can change the volume, physical characteristics, or radiological characteristics of TRU waste streams as they were reported by the sites for the 2006 Inventory. These developments include:

- Regulations and decisions at the federal and state level. For example, Idaho National Laboratory (INL) has begun preparations to ship pre-1970 buried waste to the WIPP, as mandated by a federal court decision (Wasden 2003). Shipment of pre-1970 buried waste has increased the volume of stored waste at INL because this type of waste is generally not planned for disposal at the WIPP;

- Waste program management decisions. All waste streams from the Hanford Office of River Protection (RP) and two sodium-bearing waste streams from INL have been re-categorized as potential WIPP waste pending finalization of the U.S. Department of Energy's (DOE's) TRU waste determination process. This change significantly reduced the volume of stored remote-handled (RH) TRU waste in the 2006 Inventory;

- Availability and confidence in supplemental characterization information or process knowledge. For example, waste streams stored at the Los Alamos National Laboratory (LANL) have a significant increase in curies in the 2006 Inventory because of improvements in LANL's methodology for tracking and characterizing TRU waste;

- Site estimates of projected TRU waste stream volumes. Changes in projected waste streams directly affect the contact-handled (CH) and RH waste scaling factors that determine the disposal inventory for performance assessment (PA);

- Continuing waste emplacement at the WIPP. As of December 31, 2006, 44,687 cubic meters (m^3) of waste have been emplaced at the WIPP, reducing the volumes of stored waste at the sites by an equal amount;

- Methodology enhancements. The 2006 Inventory incorporates standardized masses for packaging material for each type of waste container (Crawford 2007). This approach provides a consistent and conservative representation of packaging materials over all waste streams. This approach has increased the masses of cellulosics and plastics in the 2006 Inventory; and

- Enhanced Data Checks. Several data checks were performed on the data collected from the sites to ensure all radionuclides were reported in which, for example, a few mixed fission products were typically reported and radionuclides in secular equilibrium were reported. The results of these checks were discussed with the TRU waste sites and data were changed, as necessary, under the site's direction. In addition, cement data were rechecked and included in the inventory whenever the presence of cement was reported in a comment field for a waste stream.

The WIPP has been open and operating for nearly nine years. The large quantity TRU waste sites are all actively preparing acceptable knowledge (AK) and are characterizing waste for shipment to and emplacement in the WIPP. The characterization data for this emplaced waste are documented in the WIPP Waste Information System (WWIS) database. As time progresses, the data in the WWIS and TRU waste characterization by the sites are used to update the TRU waste inventory and continue to provide a more accurate representation of the expected inventory at closure of the WIPP.

D-2 Volumetric Comparisons

The largest reported volume change occurred at the RP when the DOE Carlsbad Field Office (CBFO) requested that all of the reported TRU waste from the RP tanks be re-categorized as "potential" WIPP-bound waste (Moody 2007b). These waste streams have been removed from the 2006 Inventory for PA and are reported as potential waste in section 4.0 of this report. The final form volume of CH-TRU waste reported by the RP is 1,117 m^3 (RP-W754 and RP-W755) and the RH-TRU waste final form volume is 1,687 m^3 (RP-W013 and RP-W016). These CH and RH volumes are less than the volumes reported for the RP site in the PABC, 3,932 m^3 and 4,469 m^3, respectively. These changes are based on changes to tank waste processing estimates and direct packaging of dried tank waste in RH canisters.

Oak Ridge National Laboratory (ORNL) reported all of their TRU waste as projected waste with a final form volume of 450 m^3 of CH and 660 m^3 of RH for the PABC inventory because all of this waste was going to be treated and re-packaged in their TRU Waste Processing Facility. For the 2006 Inventory, the ORNL waste has been re-categorized as stored and projected waste, where the new final form projected volumes are 340 m^3 of CH and 360 m^3 RH wastes. These changes significantly decreased the volume of projected waste for the 2006 Inventory. In addition, ORNL developed a new scenario for processing Melton Valley and other tank wastes (OR-W215) that increased the RH-TRU final form waste volume for ORNL by 698 m^3 (890 m^3 reported in 2006 vs. 192 m^3 reported in the PABC).

Tables D-1, D-2, D-3, and D-4 show the final form anticipated (stored + projected) volumes of small quantity site CH- and RH-TRU waste, and CH- and RH-TRU waste for large quantity sites

with the small quantity site volumes totaled. The tables compare the 2006 Inventory volumes with the volumes reported for the CCA and PABC.

Table D-1. Small Quantity Site CH-TRU Waste Anticipated Volumes

Site	CCA (m^3)	PABC (m^3)	2006 Inventory (m^3)
Ames Laboratory-Iowa State University (AL)	4.2E-01	0.0E+00	0.0E+00
Argonne National Laboratory - East (ANL-E)	1.4E+02	1.9E+02	8.8E+01
Argonne National Laboratory - West (MFC)	7.5E+02	4.4E+01	3.7E+01
Battelle Columbus Laboratories (BC)	0.0E+00	5.2E+00	0.0E+00
Bettis Atomic Power Laboratory (BAPL)	1.2E+02	1.9E+01	1.9E+01
Energy Technology Engineering Center (ETEC)	1.7E+00	2.3E+00	0.0E+00
Knolls Atomic Power Laboratory - NFS (KAPL-NFS)	0.0E+00	2.3E+02	1.3E+02
Lawrence Berkley Laboratory (LBL)	0.0E+00	0.0E+00	4.2E-01
Lawrence Livermore National Laboratory (LLNL)	9.4E+02	2.4E+03	3.8E+02
Mound Plant (MD)	2.7E+02	0.0E+00	0.0E+00
Nevada Test Site (NTS)	6.3E+02	1.1E+03	6.7E+02
Paducah Gaseous Diffusion Plant (PA)	1.9E+00	1.1E+01	0.0E+00
Pantex Plant (PX)	6.2E-01	0.0E+00	0.0E+00
Sandia National Laboratories – Albuquerque (SNL-A)	1.4E+01	2.4E+01	2.9E+01
Teledyne Brown Engineering (TB)	2.1E-01	0.0E+00	0.0E+00
U.S. Army Materiel Command (Army)	2.5E+00	2.5E+00	2.1E-01
University of Missouri Research Reactor (MU)	1.0E+00	1.5E+00	0.0E+00
Total	**2.9E+03**[1]	**4.0E+03**[1]	**1.3E+03**[2]

[1]Volumes may differ with summation of small quantity site volumes because sites that have been dispositioned are not included in the table.
[2]Additional precision is reflected in changed value.

Table D-2. Small Quantity Site RH-TRU Waste Anticipated Volumes

Site	CCA (m^3)	PABC (m^3)	2006 Inventory (m^3)
Argonne National Laboratory - East (ANL-E)	0.0E+00	1.2E+02	4.3E+01
Argonne National Laboratory - West (MFC)	1.3E+03	9.3E+01	4.1E+01
Battelle Columbus Laboratories (BC)	5.8E+02	4.6E+01	0.0E+00
Bettis Atomic Power Laboratory (BAPL)	6.7E+00	2.0E+00	3.6E+00
Energy Technology Engineering Center (ETEC)	8.9E-01	5.0E+00	0.0E+00
Knolls Atomic Power Laboratory-Schenectady (KAPL-S)	0.0E+00	1.4E+02	1.1E+02
Sandia National Laboratories-Albuquerque (SNL-A)	0.0E+00	4.6E+00	2.0E+01
Total	**1.9E+03**[1]	**4.0E+02**[1, 2]	**2.2E+02**

[1]Volumes may differ with summation of small quantity site volumes because sites that have been dispositioned are not included in the table.
[2]Additional precision is reflected in changed value.

Table D-3. WIPP Total CH-TRU Waste Anticipated Volumes by Site

Site	CCA (m^3)	PABC (m^3)	2006 Inventory (m^3)
Hanford Office of River Protection (RP)	0.0E+00	3.9E+03	0.0E+00
Hanford Richland Operations (RL)	4.6E+04	1.8E+04	1.4E+04
Idaho National Laboratory (INL)	2.9E+04	7.8E+04	5.9E+04
Los Alamos National Laboratory (LANL)	1.8E+04	1.5E+04	1.6E+04
Oak Ridge National Laboratory (ORNL)	1.6E+03	4.5E+02	1.0E+03
Rocky Flats Environmental Technology Site (RFETS)	5.1E+03	8.1E+03	0.0E+00
Savannah River Site (SRS)	9.6E+03	1.5E+04	1.1E+04
Total of Small Quantity Sites	2.9E+03	4.0E+03	1.3E+03[2]
Total	**1.1E+05**[1]	**1.4E+05**[1]	**1.0E+05**

[1]Volumes may differ with summation of small quantity site volumes because sites that have been dispositioned are not included in the table.
[2]Additional precision is reflected in changed value.

Table D-4. WIPP Total RH-TRU Waste Anticipated Volumes by Site

Site	CCA (m^3)	PABC (m^3)	2006 Inventory (m^3)
Hanford Office of River Protection (RP)	0.0E+00	4.5E+03	0.0E+00
Hanford Richland Operations (RL)	2.2E+04	1.5E+03	1.3E+03
Idaho National Laboratory (INL)	2.2E+02	2.2E+02	3.7E+02
Los Alamos National Laboratory (LANL)	1.9E+02	1.2E+02[2]	9.8E+01
Oak Ridge National Laboratory (ORNL)	2.9E+03	6.6E+02	1.3E+03
Rocky Flats Environmental Technology Site (RFETS)	0.0E+00	0.0E+00	0.0E+00
Savannah River Site (SRS)	0.0E+00	2.3E+01	7.8E+01
Total of Small Quantity Sites	1.9E+03	4.0E+02[2]	2.2E+02
Total	**2.7E+04**[1]	**7.4E+03**[1]	**3.3E+03**[2]

[1]Volumes may differ with summation of small quantity site volumes because sites that have been dispositioned are not included in the table.
[2]Additional precision is reflected in changed values.

Figures D-1 and D-2 are graphical representations of the volume changes from the CCA, PABC for the CRA-2004, and the 2006 Inventory. In Figure D-1, it is apparent that in most cases, with the exception of BAPL and SNL, the CH-TRU waste inventory has decreased from the volume reported in the PABC. In some cases (such as BCL, ETEC, Mound, and the University of Missouri Research Reactor), all TRU waste has either been dispositioned at the WIPP or transferred to another site to facilitate certification and shipment of the waste to the WIPP. This behavior is consistent with the sites shipping waste to the WIPP, thereby reducing their volume of stored waste.

Figure D-2 shows an increase in ORNL RH-TRU waste volume due to changes in volume expected from processing of Melton Valley and other tank waste mentioned previously. BAPL and SNL also reported increases in RH waste volume in the 2006 Inventory. All other small quantity sites show a decrease due to either transfer of waste to other sites (as is the case for BCL and ETEC) or better understanding of waste volumes being managed at the sites.

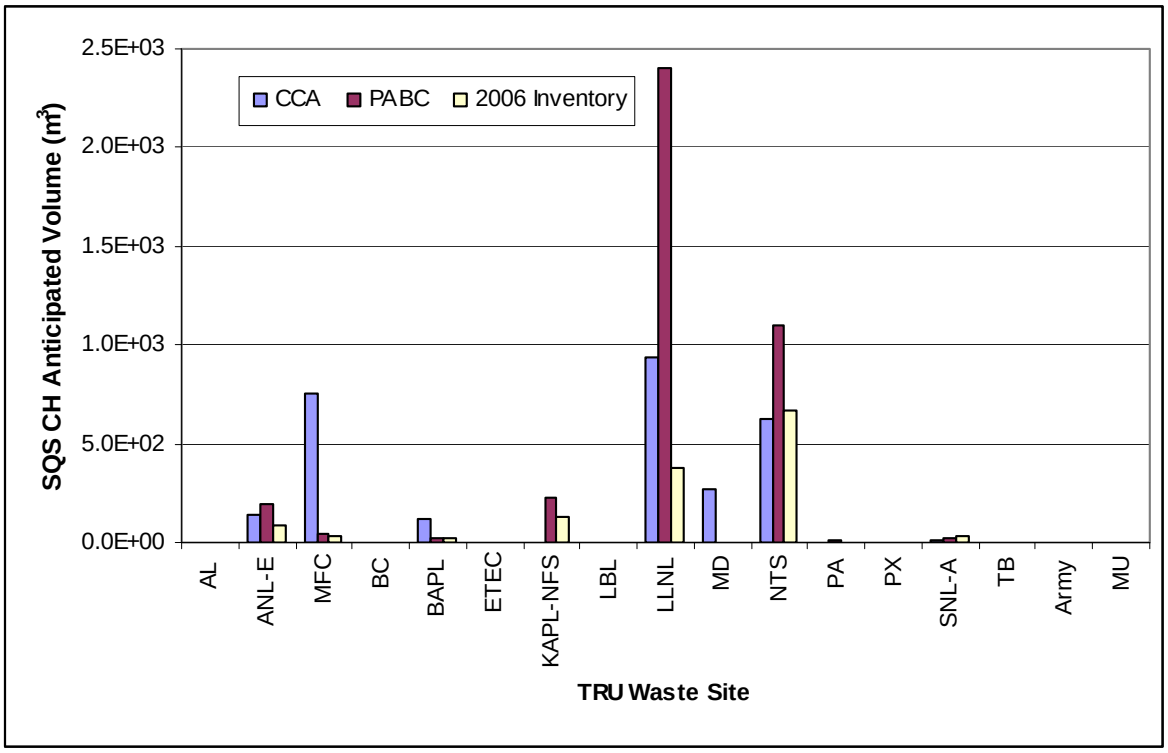

Figure D-1. Small Quantity Site CH-TRU Waste Anticipated Volumes

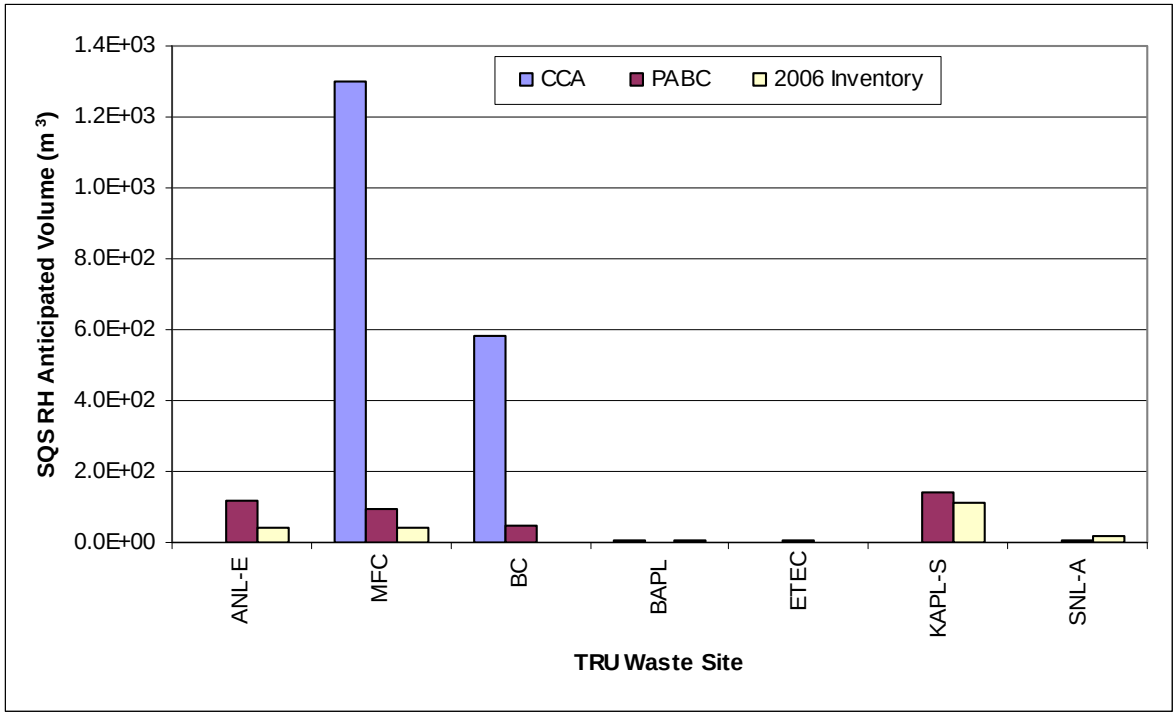

Figure D-2. Small Quantity Site RH-TRU Waste Anticipated Volumes

Figures D-3 and D-4 are graphical representations of the volumes shown in Tables D-3 and D-4. The figures clearly illustrate where volumetric changes have occurred over time. Decreases in site CH-TRU volume are attributable to shipments made to the WIPP and to other DOE TRU waste sites. The estimations of waste volumes at Hanford RL have improved as the site is beginning to locate and characterize waste for shipment to the WIPP. Figure D-4 also shows a decrease in RH-TRU waste volume based on the re-categorization of RP tank waste (1,687 m^3) as potential WIPP waste (Moody 2007b) and a slight increase in waste at INL due to transfer of some waste from MFC to INL.

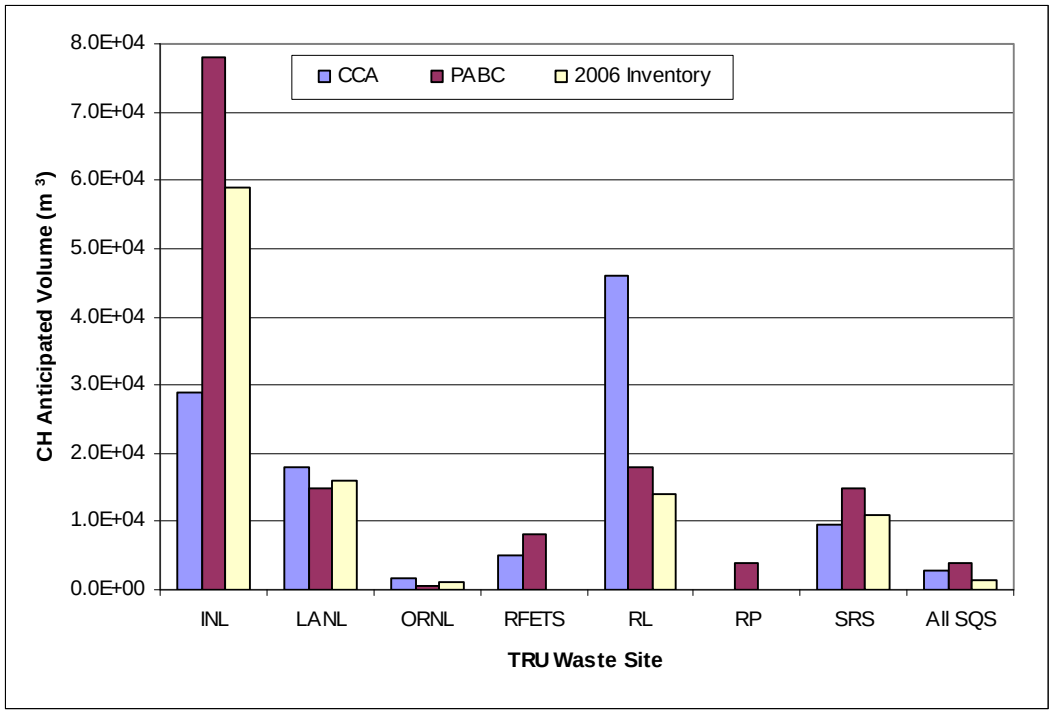

Figure D-3. Total CH-TRU Waste Anticipated Volumes by Site

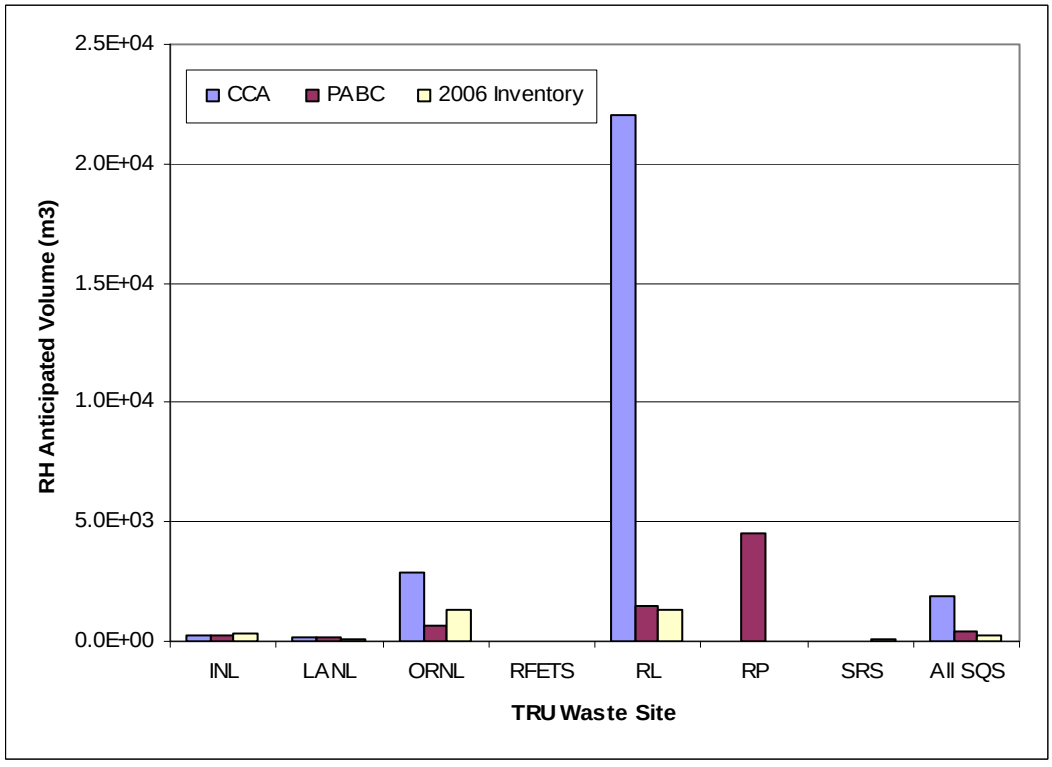

Figure D-4. Total RH-TRU Waste Anticipated Volumes by Site

D-3 Waste Material Parameter Comparisons

Changes have occurred in the waste material parameters (WMPs) for several reasons:

1) Additional waste streams added to the inventory. For example INL and SRS added waste streams while AK was developed on site that includes waste parameters that match the waste as it is being characterized. Examples of new waste streams added to inventory are LA-LAMHD01 (constructed from containers from TWBIR waste streams LA-T004, LA-T005, LA-T009, LA-W001, LA-W004, LA-W005, and LA-W009) and LA-LAMHD03 (constructed from containers from TWBIR waste streams LA-T004, LA-T005, LA-T007, LA-T009, LA-W004, and LA-W005). Typically, when waste is assigned to these waste streams, the waste material parameters are refined without changes to the volume of the containers managed at the site.
2) Presence of more characterization data. This means as more characterization data real-time radiography (RTR) or visual examination (VE) become available at the sites (SRS being a site with approximately 80% of their TRU waste in drums characterized, as an example), the information reported includes that characterization data in the estimate. Therefore, a better estimate of the WMPs is reported each year.
3) Removal of waste from the 2006 Inventory as other disposition paths is found. As an example, Hanford RL and ORNL both dispositioned nearly 50% of the TRU waste streams managed on-site as low-level waste (LLW) or mixed low-level waste (MLLW) and adjusted their inventory accordingly. Other sites typically identify some fraction of their waste as LLW/MLLW after characterization. Disposition of waste streams as LLW/MLLW removes waste from the TRU inventory, changing the WMPs for the waste stream.
4) The 2006 Inventory has standardized container material densities across the waste streams.

Tables D-5 and D-6 show the WMPs for CH- and RH-TRU waste, respectively. The waste and packaging material parameters are reported directly from the CCA, PABC, and the 2006 Inventory.

Table D-5. CH-TRU Average Waste Material and Packaging Parameters

Waste Material Parameters	CCA (kg/m^3)	PABC (kg/m^3)	2006 Inventory (kg/m^3)
Iron-Based Metal/Alloys	1.7E+02	1.1E+02	1.8E+02
Aluminum-Based Metal/Alloys	1.8E+01	1.4E+01	1.5E+01
Other Metal/Alloys	6.7E+01	3.2E+01	1.1E+01
Other Inorganic Materials	3.1E+01	4.0E+01	3.4E+01
Vitrified	5.5E+01	5.8E+00	0.0E+00
Cellulosics	5.4E+01	6.0E+01	7.3E+01
Rubber	1.0E+01	1.3E+01	6.6E+00
Plastics	3.4E+01	4.3E+01	8.2E+01
Solidified Inorganic Material	5.4E+01	1.1E+02	1.1E+02
Solidified Organic Material	5.6E+00	3.3E+01	4.6E+01
Cements	5.0E+01	3.9E+01	6.8E+01
Soils/Gravels	4.4E+01	1.1E+02	9.1E+00
Packaging Materials			
Steel	1.4E+02	1.7E+02	1.8E+02
Plastic	2.6E+01	1.7E+01	1.9E+01
Lead	0.0E+00	1.3E-02	0.0E+00
Cellulosics	0.0E+00	0.0E+00	4.7E+00

Table D-6. RH-TRU Average Waste Material and Packaging Parameters

Waste Material Parameters	CCA (kg/m^3)	PABC (kg/m^3)	2006 Inventory (kg/m^3)
Iron-Based Metal/Alloys	1.0E+02	5.9E+01	1.9E+02
Aluminum-Based Metal/Alloys	7.1E+00	5.0E+00	1.0E+01
Other Metal/Alloys	2.5E+02	5.7E+01	4.5E+01
Other Inorganic Materials	6.4E+01	1.6E+01	2.3E+01
Vitrified	4.7E+00	1.2E-01	7.2E-02
Cellulosics	1.7E+01	9.3E+00	1.4E+01
Rubber	3.3E+00	6.7E+00	4.7E+00
Plastics	1.5E+01	8.0E+00	1.8E+01
Solidified Inorganic Material	2.2E+01	6.2E+01	5.9E+02
Solidified Organic Material	9.3E-01	8.3E-01	7.1E-01
Cements	1.9E+01	1.9E+00	1.2E+01
Soils/Gravel	1.0E+00	5.0E+01	7.7E+01
Packaging Materials			
Steel	4.5E+02	5.4E+02	6.1E+02
Steel Plug	2.2E+03	0.0E+00	0.0E+00
Plastic	3.1E+00	3.1E+00	1.1E+01
Lead	4.7E+02	4.2E+02	5.4E+00
Cellulosics	0.0E+00	0.0E+00	0.0E+00

Figure D-5 is a graphical representation of the changes that have occurred in waste material parameters since the CCA, for the CH-TRU waste inventory. The 2006 Inventory shows a marked increase in iron-based metal/alloys and plastic for CH-TRU waste. The increase in iron-based metal is inconsequential for PA because the repository exceeds the lower limit of iron required for compliant repository performance with the steel from containers alone (DOE 2004c). In other words, the lower limit for iron-based materials is already exceeded, and any further increase in the mass of iron-based materials has no significant impact on repository performance.

Cellulose, plastic and rubber are tracked because these waste materials and packaging materials contribute to gas generation in the repository. Increases observed in waste material densities for plastic and cellulosics were partially offset by a decrease in rubber. Plastic material density increased by 91 percent, while cellulose increased by 22 percent as determined by the difference of the PABC density from the 2006 density divided by the PABC density multiplied by 100. The decrease in rubber was 49 percent. The increase in plastic waste materials at SRS was most pronounced based on underestimation of the presence of plastic huts in the reported waste streams at the site. In addition, increases in both plastic and cellulose were observed as the packaging materials for the inventory were standardized for WIPP-approved container configurations.

Other notable changes in CH-TRU waste material parameters include increased cement content and a decrease in soils/gravel. Using the same algorithm stated above, the increase in cement density was 74 percent and the decrease in soils/gravel was 92 percent with respect to the densities reported in the PABC. The cement density increased as a result of a concerted focus on obtaining this information as part of the waste material parameters for all waste streams and all sites. In the PABC, cement content was reported in various comments and as other inorganic material, if reported at all. The decrease in density of soils/gravel is primarily due to better characterization data from projects such as the Idaho Closure Project (ICP), where previous inventories assumed larger amounts of soils would be present in the CH-TRU waste being retrieved at INL.

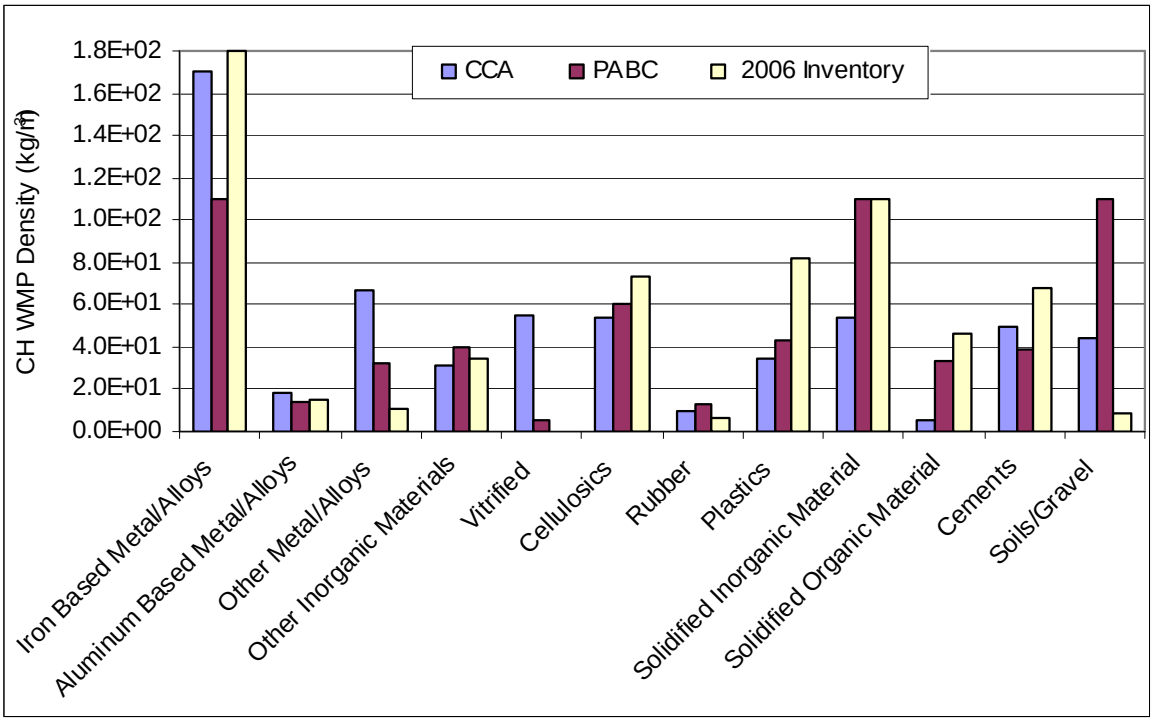

Figure D-5. CH-TRU Waste Material Parameters

Figure D-6 is a graphical representation of the changes that have occurred in waste material parameters from the CCA through the 2006 Inventory, for the RH-TRU waste. The increase in the solidified inorganic material comes from the increase in ORNL tank sludge (OR-W215) and Hanford uncontained solids from K-East (RL105-09) based on process knowledge obtained in 2006 (LANL 2008). The increase in iron-based metal/alloys is inconsequential for the same reason described for CH-TRU waste.

Cellulose and plastics increased by 51 percent and 125 percent, respectively, while rubber decreased by 30 percent in the RH-TRU waste inventory, using the algorithm stated above. The increase in cellulose was due to debris and filter waste at SRS and the increase in plastic was the result of liners identified as standard packaging material in drums packed in RH canisters. Other notable increases in the RH-TRU waste inventory include an increase of 229 percent for iron-based metal/alloys and an 851 percent increase for solidified inorganic material. The iron-based metal increased in waste streams from K-basin and the 300 areas at Hanford RL and from associated container packaging in those waste streams. The pronounced change in solidified inorganic material was the result of addition of North Load Out Pit sludge from K-basin at Hanford RL and from re-categorizing vitrified waste identified in the IN-W219.110 waste stream at INL to solidified inorganic material, as vitrification was not performed on site.

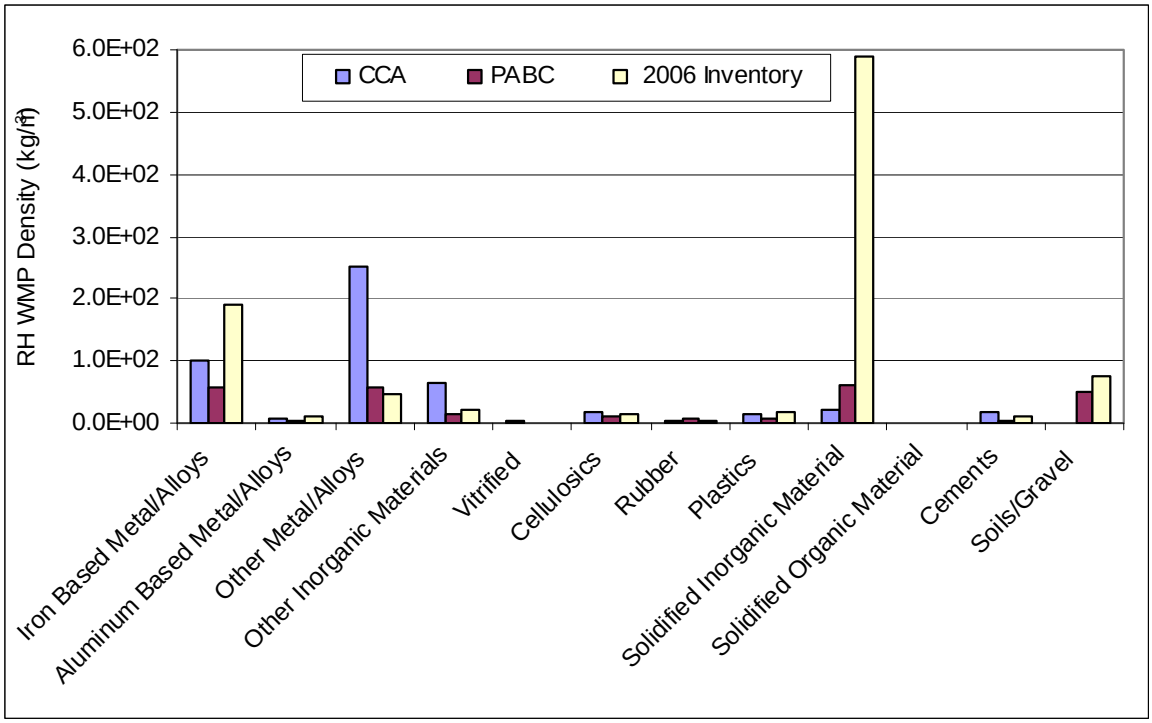

Figure D-6. RH-TRU Waste Material Parameters

D-4 Scaling Factor Comparisons

The current CH and RH scaling factors are applied to the projected components of the waste to determine the disposal inventory. The scaling factors for CH- and RH-TRU wastes are larger now as compared to the CCA or CRA-2004, particularly for the RH waste. A large volume of RH waste from the RP has been re-categorized from the projected category to potential WIPP-bound waste, thereby reducing the volume of projected waste and increasing the corresponding scaling factor. The detailed method used for determination of the scaling factor is presented in section 2.2.1 of this report, Volume and Scaling Calculations.

Table D-7 shows how the scaling factors have changed as reported in the CCA, PABC, and the 2006 Inventory. The scaling factor for CH-TRU waste in the 2006 Inventory has increased significantly because of a decrease in the projected component of the inventory. The scaling factor for RH-TRU waste reported in the 2006 Inventory has also increased significantly because of a decrease in the volumes of both stored and projected RH-TRU waste at the sites. All scaling factors assume a full repository, where the CH- and RH-TRU waste volumes are 168,485 and 7,079 m^3, respectively.

Table D-7. CH and RH Scaling Factors Used to Generate Disposal Inventory

	CCA	PABC	2006 Inventory
CH-TRU Waste Scaling Factor	2.05	1.48	7.74
RH-TRU Waste Scaling Factor	NA[1]	0.861	6.56

[1]RH-TRU waste scaling factor was not applied to RH-TRU waste in the CCA.

D-5 Total Unscaled Curies Radionuclide Comparisons

Radionuclide total unscaled curie comparisons are presented by site in Tables D-8 and D-9 for CH- and RH-TRU waste, respectively. The unscaled curies in these tables include curie activity from all TRU waste (emplaced, stored, and projected) for a given site. Additional characterization data since the PABC led to better information for the 2006 Inventory. The increase in CH-TRU unscaled curies between CRA-2004 (shown in the table as PABC) and the 2006 Inventory is due to increases at LANL, SRS, and RFETS. Both CH- and RH-TRU waste streams at LANL had increased in CH-TRU curies because of changes in the methodology used for tracking and characterization of TRU waste. The TRU waste inventory at LANL has been tied directly to the site container database. This database includes characterization data on radionuclides and AK information about waste material parameters. Both CH- and RH-TRU waste streams at SRS had a significant increased in total curies after receiving waste from BCL. RFETS data shown in these tables come from WWIS data for emplaced waste and show increased activity over that reported for the PABC. Finally, RH-TRU waste streams at Hanford RL, INL, and the small quantity sites have increased in activity. The increase in RH waste activity at Hanford RL is from increased Cs-137 and Sr-90 reported for the Waste Treatment Plant debris waste stream and Pu-241 reported in K-basin sludge. The increase in RH-TRU activity from INL is from increased Cs-137, Sr-90 and Pu-241 reported for the waste originating from the Alpha Gamma Hot Cells and is based on new AK information. Slight increases in RH-TRU activity have been noted for small quantity sites where data checks were performed and discussed with the sites on a case-by-case basis and radionuclides were revised accordingly.

The total activity for CH-TRU waste at small quantity sites, as shown in Tables D-8 and D-10, has diminished since the PABC inventory because of disposal of their waste in the WIPP and because waste has been moved to other DOE TRU waste sites for characterization. Figures D-7 and D-8 graphically depict the data in Tables D-8 and D-9.

Table D-8. Contact Handled Unscaled Curies by Site

Site[1]	CCA[2] (Ci)	PABC[3] (Ci)	2006 Inventory[4] (Ci)
Los Alamos National Laboratory (LANL)	2.03E+05	1.10E+05	7.23E+05
Hanford Richland Operations (RL)	1.62E+05	1.17E+06	5.11E+05
Hanford Office of River Protection (RP)	--	1.13E+05	--
Savannah River Site (SRS)	5.65E+05	1.33E+06	2.21E+06
Rocky Flats Environmental Technology Site (RFETS)	1.16E+06	8.70E+05	1.02E+06
Idaho National Laboratory (INL)	3.51E+05	5.85E+05	4.83E+05
Oak Ridge National Laboratory (ORNL)	6.38E+04	6.68E+04	5.00E+04
Total of Small Quantity Sites (SQS)	8.01E+03	6.22E+04	9.20E+04
Grand Totals	**2.51E+06**	**4.30E+06**	**5.09E+06**

[1]Only considers WIPP-bound waste.
[2]Decayed through 1995; [3]Decayed through 2001, value reflects emplaced activity not addressed in Revision 0;
[4]Decayed through 2006.

Table D-9. Remote Handled Unscaled Curies by Site

Site[1]	CCA[2] (Ci)	PABC[3] (Ci)	2006 Inventory[4] (Ci)
Los Alamos National Laboratory (LANL)	6.30E+02	6.38E+01	6.21E+03
Hanford Richland Operations (RL)	3.23E+04	1.01E+06	1.60E+06
Hanford Office of River Protection (RP)	0.00E+00	4.27E+05	0.00E+00
Savannah River Site (SRS)	4.20E+01	3.50E+02	7.44E+03
Rocky Flats Environmental Technology Site (RFETS)	--	--	--
Idaho National Laboratory (INL)	7.39E+03	3.26E+03	1.52E+04
Oak Ridge National Laboratory (ORNL)	9.81E+04	1.48E+05	5.08E+05
Total of Small Quantity Sites (SQS)	5.78E+02	8.85E+04	9.74E+04
Grand Totals	**1.39E+05**	**1.68E+06**	**2.24E+06**

[1]Only considers WIPP-bound waste.
[2]Decayed through 1995.
[3]Decayed through 2001, value reflects emplaced activity not addressed in Revision 0.
[4]Decayed through 2006.

Table D-10. 2006 Small Quantity Site Unscaled Curie Inventory

Site[1]	Total CH Curies[2]	Total RH Curies[2]
Argonne National Laboratory East (ANLE)	7.36E+02	6.97E+01
Argonne National Laboratory West (MFC)	2.48E+02	4.08E+04
Bettis Atomic Power Laboratory (BAPL)	8.49E+01	4.86E+04
Knolls Atomic Power Laboratory-NFS (KAPL-NFS)	3.00E+02	--
Knolls Atomic Power Laboratory-Schenectady (KAPL-S)	--	3.18E+02
Lawrence Berkley Laboratory (LBL)	2.72E-02	--
Lawrence Livermore National Laboratory (LLNL)	8.54E+04	--
Nevada Test Site (NTS)	4.94E+03	--
Sandia National Laboratories – Albuquerque (SNL-A	3.09E+02	7.62E+03
U.S. Army Materiel Command (Army)	5.13E-03	--
Grand Totals	**9.20E+04**	**9.74E+04**

[1]Only considers WIPP-bound waste.
[2]Decayed through 2006.

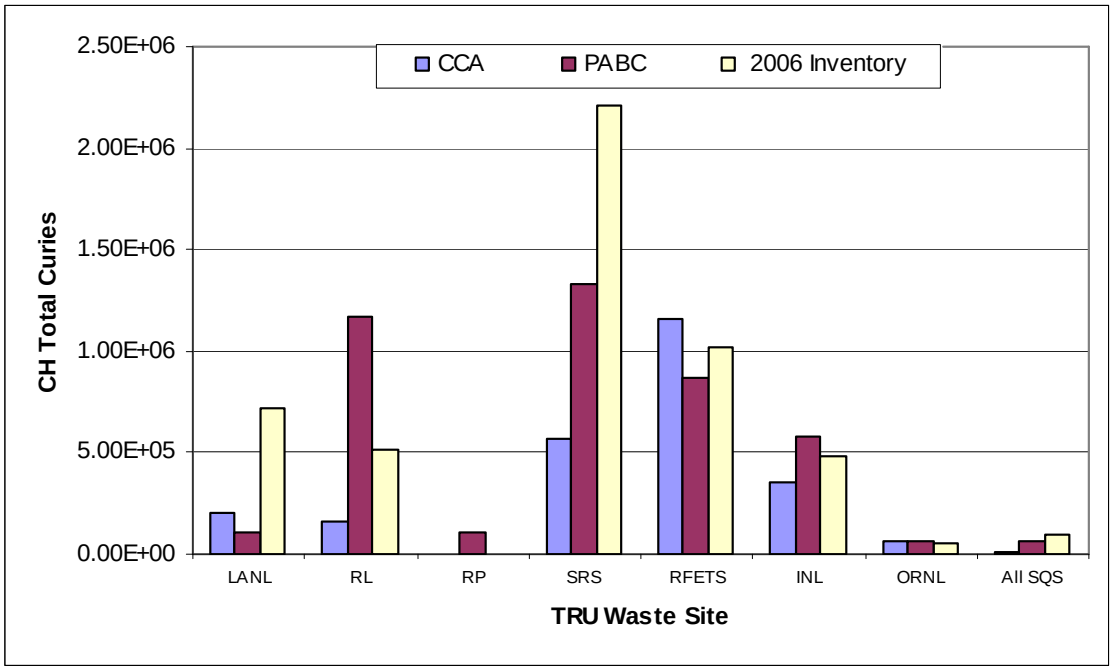

Figure D-7. Comparison of Contact Handled Unscaled Curie Inventory by Site

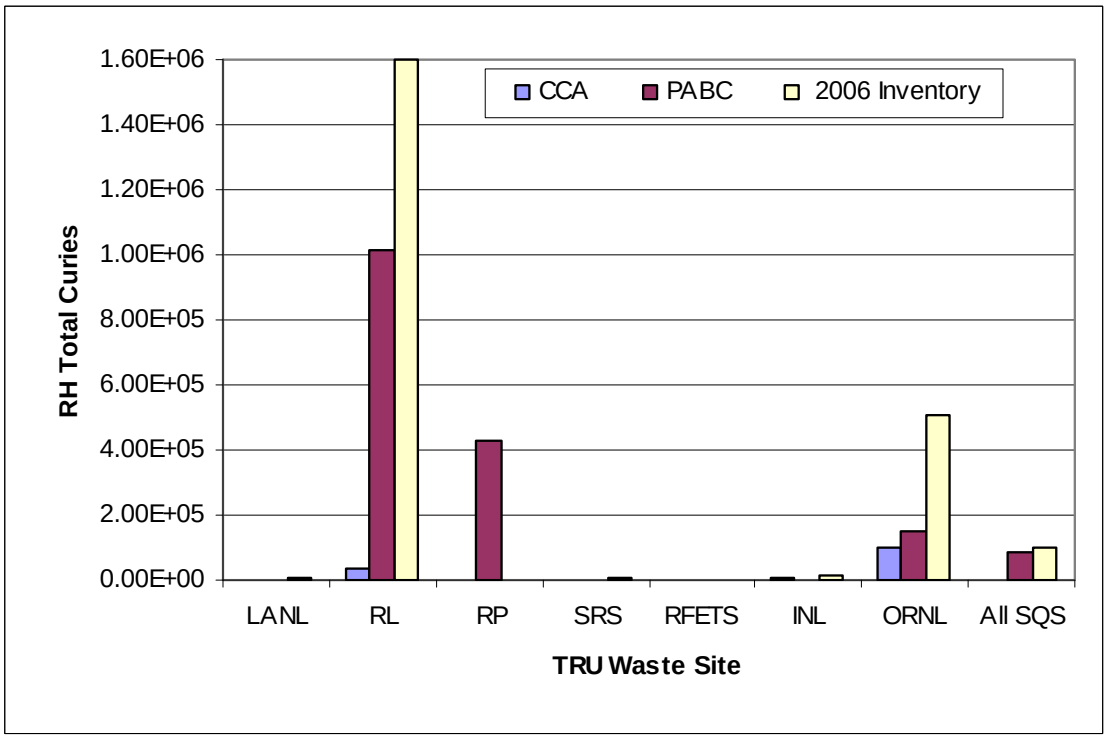

Figure D-8. Comparison of Remote Handled Unscaled Curie Inventory by Site

Tables D-11 and D-12 compare the highest radionuclide disposal activity concentrations of the 2006 Inventory to the CCA and the PABC for CH- and RH-TRU radionuclides, respectively. The data presented in the table are presented graphically in Figures D-9 and D-10 for CH- and RH-TRU radionuclides, respectively. Generally, the radionuclide activity concentration for the majority of the radionuclides reported in the 2006 Inventory is higher than in the CCA and PABC due to a concerted effort to obtain more information on radionuclides for the 2006 Inventory by performing data checks on radionuclides reported by the sites.

Table D-11. Comparison of CH-TRU Highest Radionuclide Disposal Activity Concentrations for the 2006 Inventory to CCA and PABC Radionuclides

Radionuclide	CCA[1] (Ci/m^3)	PABC[2] (Ci/m^3)	2006 Inventory[3] (Ci/m^3)
Am-241	2.62E+00	2.82E+00	2.76E+00
Ba-137m	4.53E-02	4.11E-02	4.50E-02
Cm-244	1.87E-01	3.66E-02	4.53E-02
Cs-137	4.78E-02	4.38E-02	4.84E-02
Eu-154	6.80E-06	9.38E-06	1.91E+00
Eu-155	5.62E-06	2.88E-07	1.29E+01
Pu-238	1.55E+01	8.60E+00	1.26E+01
Pu-239	4.66E+00	3.43E+00	3.19E+00
Pu-240	1.25E+00	5.59E-01	7.79E-01
Pu-241	1.37E+01	1.16E+01	1.13E+01

[1]Decayed through 1995.
[2]Decayed through 2001, additional precision is reflected in value.
[3]Decayed through 2006.

Table D-12. Comparison of RH-TRU Highest Radionuclide Disposal Activity Concentrations for the 2006 Inventory to CCA and PABC Radionuclides

Radionuclide	CCA[1] (Ci/m^3)	PABC[2] (Ci/m^3)	2006 Inventory[3] (Ci/m^3)
Am-241	8.42E-01	1.95E+00	3.94E+00
Ba-137m	2.89E+01	5.56E+01	5.26E+01
Cm-244	4.45E-02	1.54E-01	1.23E+00
Cs-137	3.05E+01	6.02E+01	4.79E+02
Eu-152	1.73E-01	3.34E-01	3.20E+00
Pu-238	2.05E-01	5.38E-01	1.32E+00
Pu-239	1.45E+00	7.41E-01	1.10E+00
Pu-241	2.00E+01	1.84E+01	3.23E+01
Sr-90	2.95E+01	4.55E+01	3.78E+02
Y-90	2.95E+01	4.48E+01	7.84E+01

[1]Decayed through 1995.
[2]Decayed through 2001, additional precision is reflected in value.
[3]Decayed through 2006.

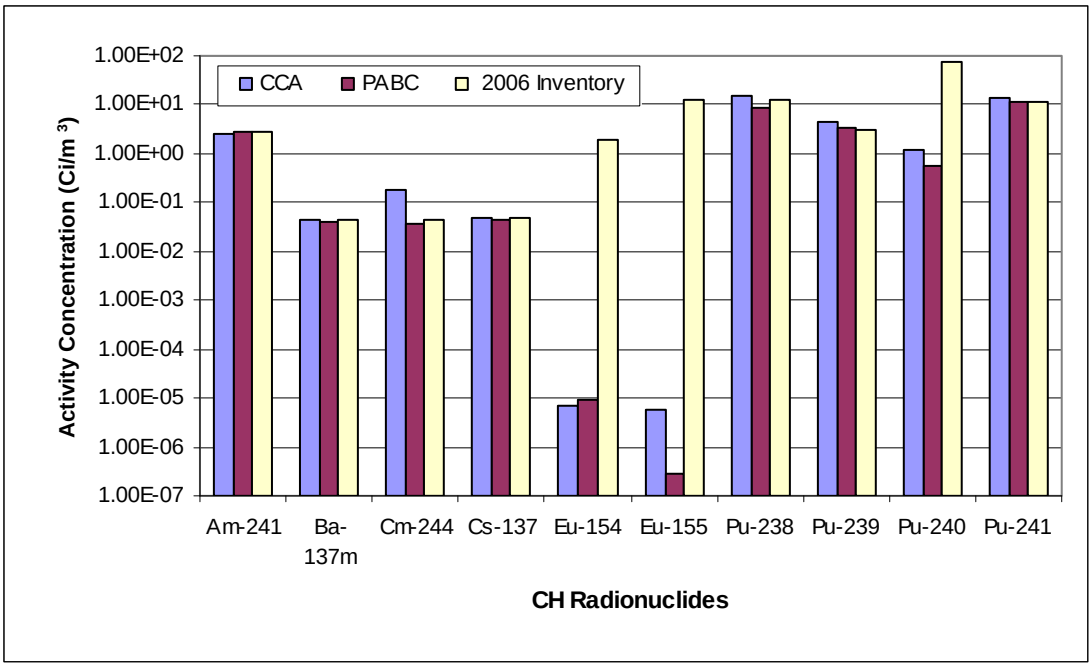

Figure D-9. Comparison of CH-TRU Highest Radionuclide Disposal Activity Concentrations for the 2006 Inventory to CCA and PABC Radionuclides

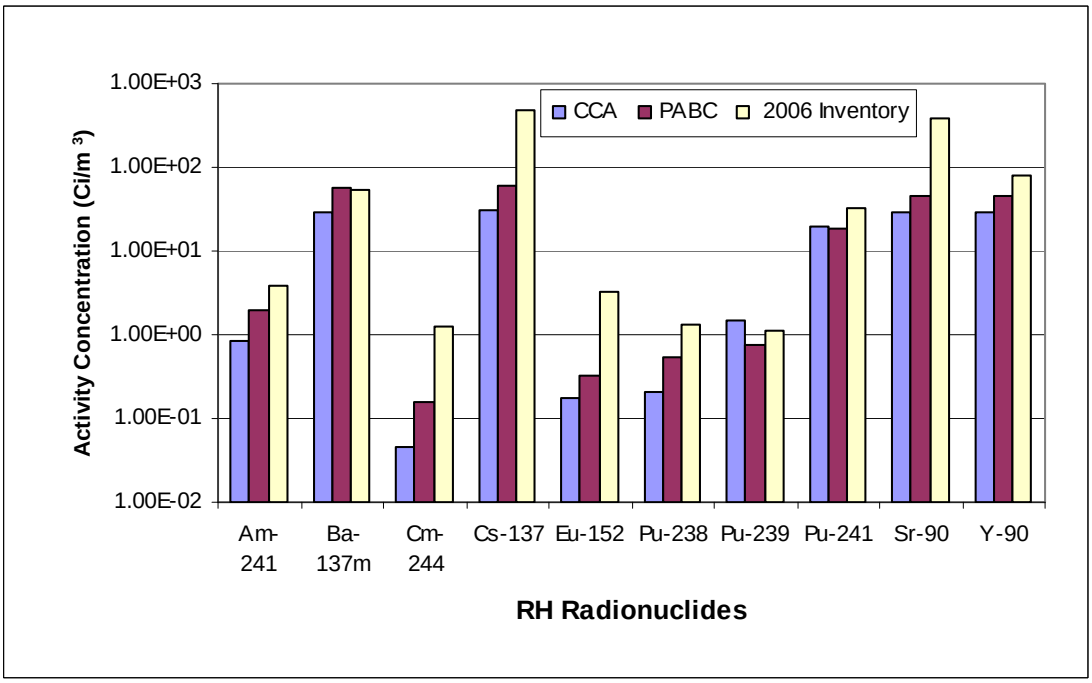

Figure D-10. Comparison of RH-TRU Highest Radionuclide Disposal Activity Concentrations (Ci/m^3) for the 2006 Inventory to CCA and PABC Radionuclides

Table D-13 presents a comparison of the total unscaled activity (CH and RH) of 29 PA radionuclides decayed through 2033, the closure year of the WIPP. The data for the CCA and PABC are obtained from Table 14 of Leigh, et al. (2005a). Eight radionuclides with 1000 Ci or greater increases since the PABC are Am-241, Cs-137, Pu-238, Pu-239, Pu-240, Pu-241, Pu-244, and Sr-90. The increases in Am-241 come primarily from the Rocky Flats and Idaho CH waste streams and the Hanford RL 325 RH laboratory waste stream. The Pu isotopes come from LANL Technical Area 55 operations, Pu-238 comes from SRS W027 waste streams, and the Cs137/Sr-90 primarily comes from the treatment of RH waste at the Hanford RL Waste Treatment Plant.

Table D-13. Comparison of the Unscaled Activity of 29 PA Radionuclides Decayed through 2033 WIPP Closure

Radionuclide	CCA (Ci)	PABC (Ci)	2006 Inventory (Ci)[1]
Ac-227	5.05E-01	6.86E-01	1.84E+01
Am-241	4.88E+05	5.17E+05	4.39E+05
Am-243	3.25E+01	7.87E+01	6.75E+01
C-14	1.28E+01	2.41E+00	3.81E+00
Cm-243	2.07E+01	4.14E-01	4.99E+01
Cm-244	7.44E+03	2.13E+03	2.58E+03
Cm-245	1.15E-02	1.71E-02	6.62E-01
Cm-248	3.72E-02	7.43E-02	4.88E-02
Cs-137	9.31E+04	2.07E+05	4.00E+05
Np-237	6.49E+01	1.22E+01	2.56E+01
Pa-231	4.67E-01	8.69E-01	3.98E-01
Pb-210	8.75E+00	3.59E+00	1.53E+00
Pu-238	1.94E+06	1.13E+06	1.20E+06
Pu-239	7.95E+05	5.82E+05	4.78E+05
Pu-240	2.14E+05	9.54E+04	1.13E+05
Pu-241	3.94E+05	4.48E+05	4.91E+05
Pu-242	1.17E+03	1.27E+01	3.96E+01
Pu-244	1.51E-06	5.53E-03	3.03E-04
Ra-226	1.14E+01	4.56E+00	1.89E+00
Sr-90	8.73E+04	1.76E+05	3.39E+05
Th-229	9.97E+00	5.21E+00	9.38E+00
Th-230	3.06E-01	1.80E-01	2.04E-01
Th-232	1.01E+00	3.42E+00	4.98E+00
U-232	1.79E+01	1.02E+01	2.91E+01
U-233	1.95E+03	1.23E+03	1.06E+03
U-234	7.51E+02	3.44E+02	2.92E+02
U-235	1.75E+01	5.01E+00	1.01E+01
U-236	6.72E-01	2.87E+00	1.53E+00
U-238	5.01E+01	2.17E+02	1.14E+02

[1]Data Source: CID Data Version D.6.06_0Y.

Table D-14 lists the TRU alpha radionuclides, their respective atomic numbers, and their associated half-lives. A TRU radionuclide, as defined by the LWA (U.S. Congress 1992), is an alpha-emitting radionuclide with an atomic number greater than 92 and half-life greater than 20 years.

Table D-14. TRU Alpha Radionuclides

TRU Radionuclide	Atomic Number	Alpha Emitter	Half-Life (Years)		TRU Radionuclide	Atomic Number	Alpha Emitter	Half-Life (Years)
Am-241	95	Yes	4.32E+02		Cm-247	96	Yes	1.56E+07
Am-242m	95	Yes	1.52E+02		Cm-248	96	Yes	3.39E+05
Am-243	95	Yes	7.38E+03		Cm-250	96	Yes	6.90E+03
Bk-247	97	Yes	1.38E+03		Np-237	93	Yes	2.14E+06
Cf-249	98	Yes	3.51E+02		Pu-238	94	Yes	8.78E+01
Cf-251	98	Yes	9.00E+02		Pu-239	94	Yes	2.41E+04
Cm-243	96	Yes	2.85E+01		Pu-240	94	Yes	6.57E+03
Cm-245	96	Yes	8.50E+03		Pu-242	94	Yes	3.76E+03
Cm-246	96	Yes	4.75E+03		Pu-244	94	Yes	8.26E+07

The sites reported 17 of the 18 TRU alpha radionuclides listed in Table D-14 for the 2006 Inventory (LANL 2008). The sites with the highest total unscaled TRU alpha activity are Hanford RL, INL, LANL, and ORNL (RFETS is entirely emplaced in the WIPP and also showed some increased activity). Table D-15 gives the sum of all TRU alpha radionuclides by site. Figure D-11 is a graphical representation of the total TRU alpha curies at each of the sites for both CH- and RH-TRU waste.

Table D-15. 2006 Unscaled CH- and RH-TRU Alpha Radionuclides Curies by Site

Site[1]	CH Activity[2] (Ci)	RH Activity[2] (Ci)	Total Activity[2] (Ci)
Argonne National Laboratory - East (ANL-E)	5.22E+02	1.45E+01	5.37E+02
Argonne National Laboratory - West (MFC)	1.99E+02	2.39E+01	2.23E+02
U.S. Army Materiel Command (Army)	5.09E-03	--	5.09E-03
Bettis Atomic Power Laboratory (BAPL)	9.27E-01	2.94E+02	2.94E+02
Hanford Richland Operations (RL)	2.13E+05	2.00E+04	2.33E+05
Idaho National Laboratory (INL)	3.58E+05	7.57E+03	3.66E+05
Knolls Atomic Power Laboratory - NFS (KAPL-NFS)	1.71E+02	--	1.71E+02
Knolls Atomic Power Laboratory-Schenectady (KAPL-S)	--	3.25E+00	3.25E+00
Los Alamos National Laboratory (LANL)	3.63E+05	2.51E+02	3.63E+05
Lawrence Berkley Laboratory (LBL)	1.99E-02	--	1.99E-02
Lawrence Livermore National Laboratory (LLNL)	7.89E+03	--	7.89E+03
Nevada Test Site (NTS)	2.51E+03	--	2.51E+03
Oak Ridge National Laboratory (ORNL)	8.11E+03	3.64E+03	1.18E+04
Rocky Flats Environmental Technology Site (RFETS)	4.06E+05	--	4.06E+05
Sandia National Laboratories-Albuquerque (SNL-A)	2.08E+01	1.22E+02	1.43E+02
Savannah River Site (SRS)	1.10E+06	1.69E+02	1.10E+06
Totals	**2.46E+06**	**3.21E+04**	**2.49E+06**

[1]Only considers WIPP-bound waste.
[2]Decayed through 2006.

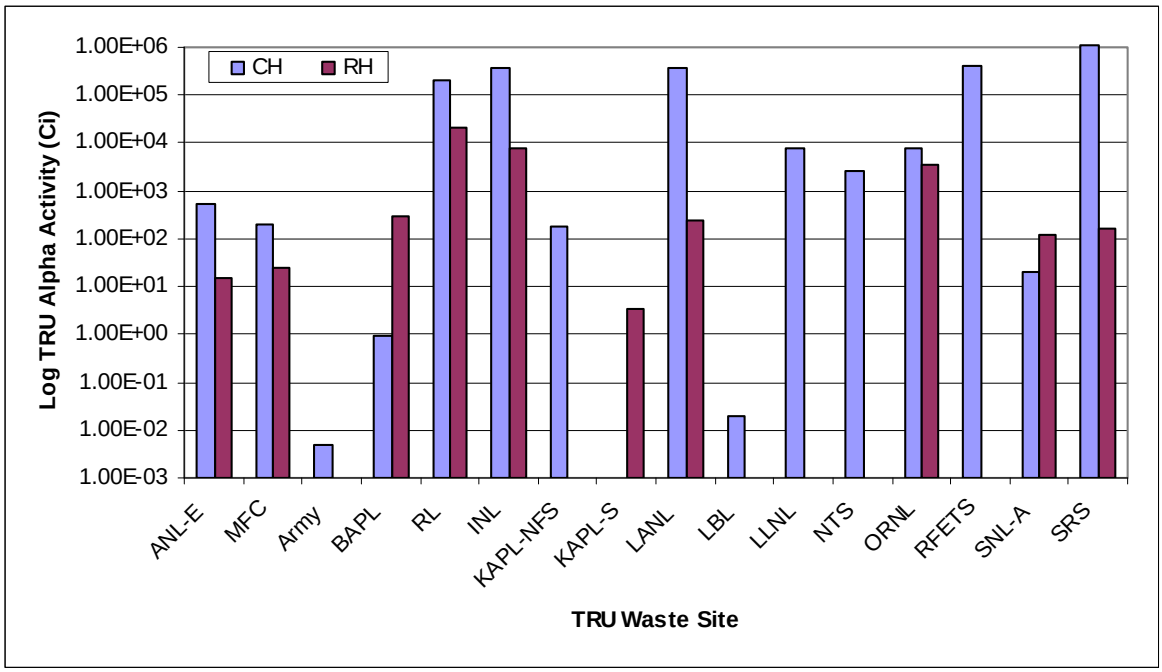

Figure D-11. 2006 Unscaled CH- and RH-TRU Alpha Radionuclides Curies by Site

Tables D-16 and D-17 compare the unscaled TRU alpha radionuclide activities of the 2006 Inventory to the CCA and the PABC. The data presented in the tables are presented graphically in Figures D-12 and D-13 for CH- and RH-TRU radionuclides, respectively. The CH- and RH-TRU alpha curies are higher for LANL because of new characterization data and restructuring of database information. Increases in total TRU curies at Hanford RL are due to the use of production (characterization) data. The RFETS waste streams have increased CH-TRU curies, based on the waste characterization data reported in WWIS. All of the RFETS CH-TRU waste has been emplaced at the WIPP.

Table D-16. Unscaled CH-TRU Alpha Radionuclide Curie Comparisons

Site[1]	CCA[2] (Ci)	PABC[3] (Ci)	2006 Inventory[4] (Ci)
Los Alamos National Laboratory (LANL)	2.02E+05	1.07E+05	3.63E+05
Hanford Richland Operations (RL)	1.18E+05	2.00E+05	2.13E+05
Hanford Office of River Protection (RP)	--	4.06E+03	--
Savannah River Site (SRS)	5.02E+05	1.23E+06	1.10E+06
Rocky Flats Environmental Technology Site (RFETS)	3.82E+05	3.69E+05	4.06E+05
Idaho National Laboratory (INL)	2.00E+05	4.39E+05	3.58E+05
Oak Ridge National Laboratory (ORNL)	7.08E+03	1.04E+04	8.11E+03
All SQS	5.93E+03	1.39E+04	1.13E+04
Total	**1.42E+06**	**2.37E+06**	**2.46E+06**

[1]Only considers WIPP-bound waste.
[2]Decayed through 1995.
[3]Decayed through 2001, value reflects emplaced activity not addressed in Revision 0.
[4]Decayed through 2006.

Table D-17. Unscaled RH-TRU Alpha Radionuclide Curie Comparisons

Site[1]	CCA[2] (Ci)	PABC[3] (Ci)	2006 Inventory[4] (Ci)
Los Alamos National Laboratory (LANL)	9.67E+01	2.59E+00	2.51E+02
Hanford Richland Operations (RL)	7.42E+02	3.92E+03	2.00E+04
Hanford Office of River Protection (RP)	--	1.66E+04	--
Savannah River Site (SRS)	8.91E+00	5.86E+01	1.69E+02
Rocky Flats Environmental Technology Site (RFETS)	--	--	--
Idaho National Laboratory (INL)	1.49E+02	2.80E+03	7.57E+03
Oak Ridge National Laboratory (ORNL)	5.25E+02	7.44E+02	3.64E+03
All SQS	2.49E+01	6.09E+02	4.57E+02
Total	**1.55E+03**	**2.48E+04**	**3.21E+04**

[1]Only considers WIPP-bound waste.
[2]Decayed through 1995.
[3]Decayed through 2001, value reflects emplaced activity not addressed in Revision 0.
[4]Decayed through 2006.

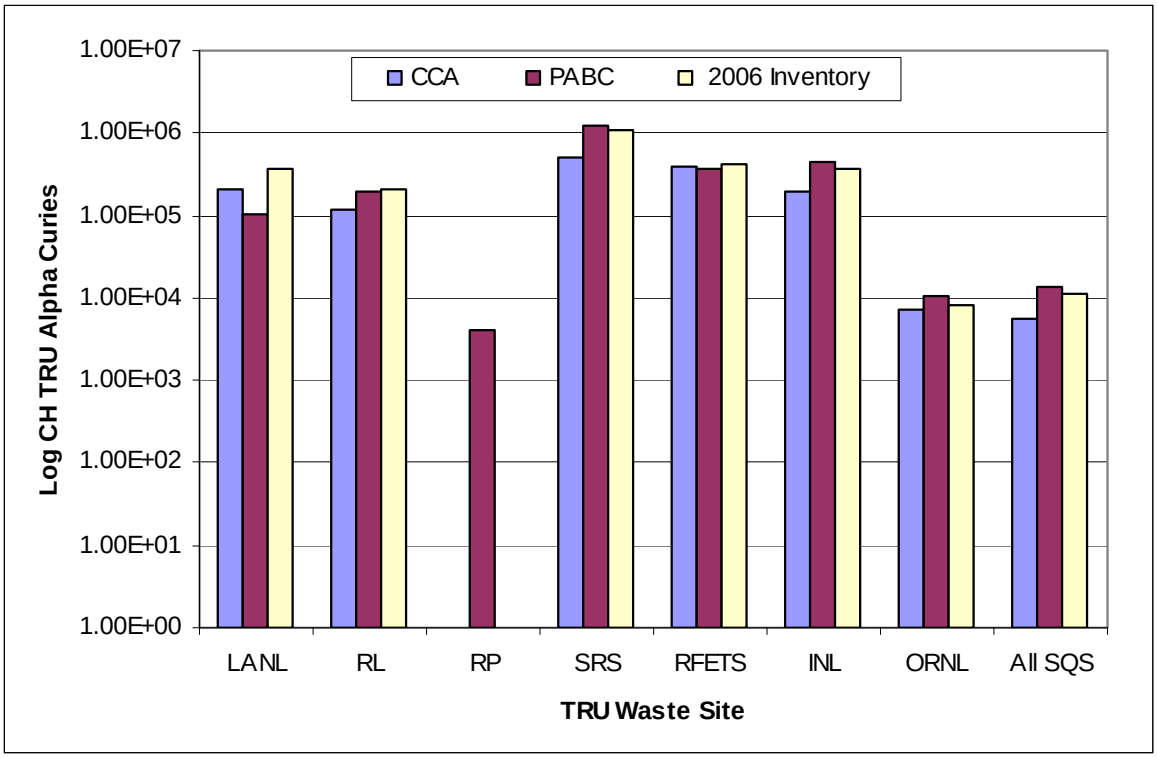

Figure D-12. Unscaled CH-TRU Alpha Radionuclide Curie Comparisons

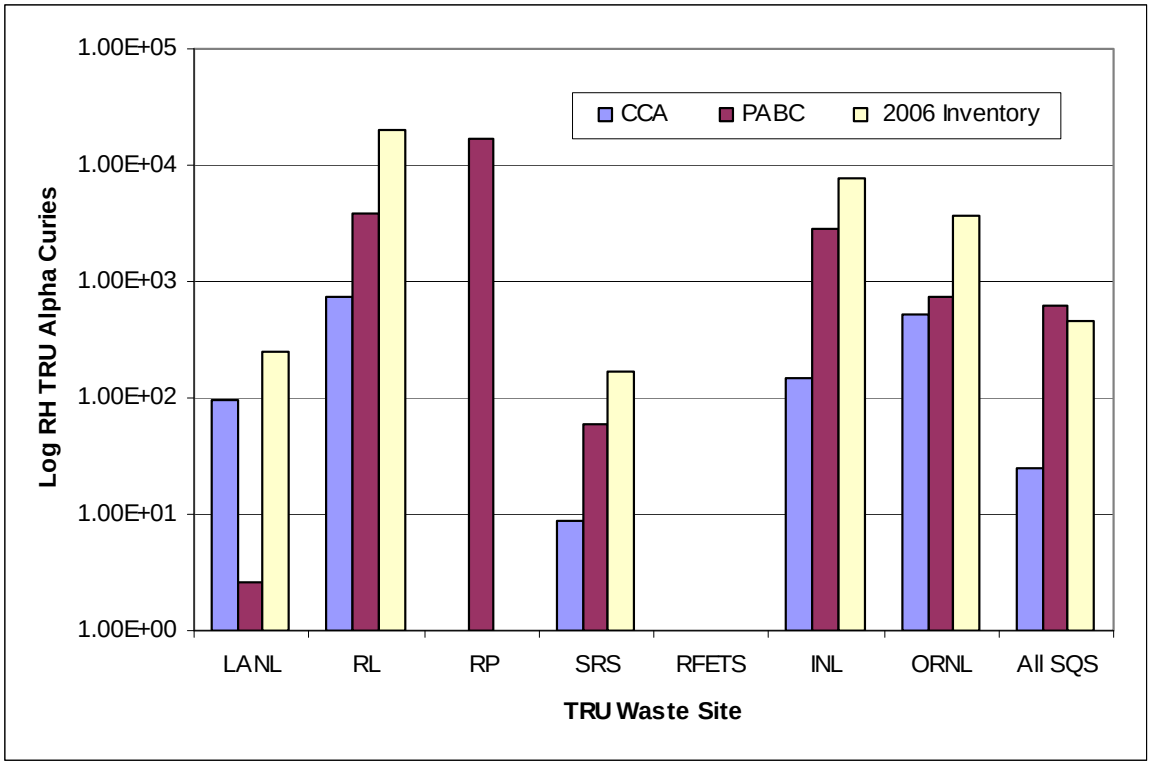

Figure D-13. Unscaled RH-TRU Alpha Radionuclide Curie Comparisons

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APPENDIX E

CH and RH Scaled Volumes and Activities

Introduction

This appendix consists of 14 tables that provide the decayed contact-handled (CH) and remote-handled (RH) radionuclide inventory by waste stream planned for emplacement in the Waste Isolation Pilot Plant (WIPP) (included in Appendix A) as well as the WIPP emplaced waste (included in Appendix B). The volumes and activities in Tables E - 1 through E - 14 have been scaled to a full repository in accordance with INV-AP-01, *Analysis Plan for Transuranic Inventory* (LANL 2006a). These tables are similar to those in the Transuranic Waste Baseline Inventory Report (TWBIR), Revision 3 (DOE 1996a Appendix B, Table 1), and the TWBIR-2004 (DOE 2006c, Appendix E).

The tables contain all waste streams reported in the CID Data Version D.6.06 (LANL 2008), and curie activity in each waste stream for 20 PA waste-stream-level radionuclides specified by Sandia National Laboratories – Carlsbad Programs Group (SNL-CPG) (Dunagan 2007). The projected volume has been scaled (using the scaling factors found in section 2.2.1 of the main body of this report) in each waste stream such that the sum of all waste stream volumes equals a full WIPP repository for CH and RH waste. The radionuclides have been decayed to December 31 of calendar years 2006, 2033, 2133, 2383, 3033, 7033, and 12033.

Three short half-life radionuclides (Cm-244, Cs-137, and Sr-90) completely decay away by the five-thousand-year decay period for both the CH and RH waste streams.

Emplaced waste streams are identified with a "-S" suffix appended to the end of waste stream ID. These waste streams were compiled from WIPP Waste Information System data (WWIS) (see Van Soest 2007b for detailed description of WWIS data transformations).

Section 3.1.1 of the main body of this report gives the emplaced volumes by site and handling as of December 31, 2006.

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	104.68	5.43E+01	1.88E+00	1.21E-01	1.82E+00	1.23E-01	6.44E+01	8.55E+01	6.46E+01	9.44E+01	2.62E-02	2.01E-17	1.89E+00	8.54E-03	2.12E-06	4.26E-16	4.20E-02	7.89E-02	1.49E-03	5.75E-06	4.41E-02
AE	AECHHM-S	14.15	1.47E+01	5.14E-03	--	1.42E-03	1.71E-03	4.48E+00	4.13E+01	1.65E+01	4.40E-12	2.02E-03	--	1.49E-03	3.21E-04	1.44E-07	1.09E-16	2.22E-08	5.36E-03	1.06E-04	1.47E-06	2.69E-03
AE	AE-T001	513.85	1.88E+02	--	--	1.09E+01	2.20E+00	3.86E+01	4.68E+02	2.76E+02	4.41E+02	2.25E-01	--	7.66E+00	5.78E-04	5.21E-06	2.04E-04	3.08E-01	3.01E-02	9.26E-03	2.29E-04	1.63E-01
AE	AE-T003	109.74	1.63E+01	--	--	2.82E-02	6.82E-02	4.84E+00	1.36E+02	5.26E+01	2.28E+02	1.47E-03	--	7.15E-02	7.57E-05	2.66E-08	1.25E-14	4.49E-02	2.94E-04	3.56E-04	2.81E-05	7.84E-03
AE	MU-W002-S	4.79	7.02E+00	1.14E-03	--	1.71E-06	3.86E-03	--	2.27E-02	--	--	--	--	1.78E-06	1.10E-03	1.92E-15	--	5.04E-08	1.43E-10	6.71E-11	--	1.73E-05
AW (MFC)	AW-N026.82	3.78	--	--	--	4.17E+00	--	--	3.51E-02	--	--	--	--	2.07E+01	--	--	--	--	--	4.51E-10	--	--
AW (MFC)	AW-N027.531	26.60	8.15E-02	--	--	--	2.57E-07	1.06E+02	8.67E+01	5.24E-01	3.01E-01	6.60E-06	--	--	7.56E-09	1.95E-07	3.84E-17	8.06E-06	3.72E-03	5.62E-05	1.55E-07	2.06E-07
AW (MFC)	AW-T033.1325	157.54	4.78E-01	--	--	--	1.21E-06	6.40E+02	5.13E+02	3.10E+00	1.96E+00	3.91E-05	--	--	3.58E-08	7.92E-07	1.45E-16	4.77E-05	1.84E-02	3.32E-04	7.36E-07	1.22E-06
AW (MFC)	AW-W049	51.54	--	--	--	--	--	--	2.22E+00	--	--	--	--	--	--	--	--	--	--	--	--	--
BT	BT-T002	18.90	9.44E-03	4.02E-05	2.21E-03	1.98E+01	5.73E-05	9.16E-01	7.37E-04	1.51E-03	1.33E-01	1.17E-05	6.73E-13	1.98E+01	1.82E-13	7.29E-08	1.17E-13	9.72E-10	2.03E-03	2.65E-05	3.02E-04	1.22E-07
IN	BN004-S	283.53	2.48E+02	--	1.68E+00	2.46E-03	1.68E-01	4.35E+01	1.06E+03	2.41E+02	2.05E+03	2.05E-02	--	4.16E-03	4.56E-05	1.82E-07	7.06E-16	2.43E-01	1.03E-02	2.32E-03	1.43E-05	1.52E-03
IN	BN161-S	61.88	4.82E+01	--	--	--	5.91E-04	9.87E+00	2.34E+02	5.34E+01	3.86E+02	4.31E-03	--	--	1.19E-13	3.06E-10	3.91E-17	2.54E-09	4.81E-05	2.96E-06	1.58E-06	6.50E-13
IN	BN211-S	545.88	4.75E+02	2.78E-07	--	1.39E-06	2.53E-02	8.84E+01	2.06E+03	4.76E+02	3.31E+03	3.97E-02	--	2.36E-06	2.85E-06	2.69E-08	3.49E-16	3.04E-02	3.11E-03	6.28E-04	1.41E-05	4.60E-06
IN	BN243-S	152.72	3.80E+01	--	1.31E+00	1.42E-07	2.51E-03	5.33E+00	1.10E+02	2.46E+01	1.87E+02	2.48E-03	--	2.40E-07	5.10E-13	8.22E-09	1.80E-17	1.09E-08	9.21E-04	2.41E-04	7.30E-07	3.74E-13
IN	BN252-S	168.27	1.52E+02	--	--	4.47E-07	6.11E-02	3.58E+01	9.93E+02	2.13E+02	2.07E+03	2.28E-02	--	7.10E-07	1.25E-11	3.77E-09	1.56E-16	2.66E-07	4.70E-04	1.90E-04	6.32E-06	3.44E-12
IN	BN296-S	492.08	6.71E+02	--	1.24E+00	9.25E-06	3.90E-02	8.28E+01	1.72E+03	3.82E+02	2.71E+03	3.89E-02	--	1.66E-05	5.29E-07	9.60E-09	2.80E-16	5.64E-03	1.18E-03	1.00E+00	1.13E-05	6.48E-04
IN	BN304-S	322.14	5.34E+01	--	--	4.23E-04	2.39E-03	1.55E+04	3.04E+01	2.29E+01	2.62E+02	1.94E-02	--	8.61E-04	4.87E-13	2.17E-07	1.68E-17	1.04E-08	4.62E-02	4.32E-05	6.80E-07	2.38E-02
IN	BN510-S	2311.90	6.64E+02	--	--	3.37E-04	4.49E-02	1.94E+02	2.76E+03	5.97E+02	5.17E+03	5.06E-02	--	5.57E-04	--	--	--	1.21E-02	1.02E+00	1.01E+00	--	2.23E-02
IN	BN835-S	958.88	3.30E+01	--	--	8.09E-05	4.82E-03	1.42E+03	2.90E+00	1.84E+00	3.37E+01	1.81E-03	--	1.41E-04	9.84E-13	1.85E-08	1.35E-18	2.10E-08	4.08E-03	1.37E-07	5.46E-08	2.14E-04
IN	BN836-S	1088.64	1.53E+00	--	--	2.83E-04	1.85E-03	1.58E+03	2.37E+00	1.62E+00	5.49E+00	1.86E-03	--	4.67E-04	--	--	--	--	2.12E-04	2.82E-05	--	1.34E-05
IN	BNINW216-S	3621.20	2.41E+04	--	--	4.65E-05	2.70E-01	1.20E+02	1.22E+03	3.03E+02	3.72E+03	1.62E-01	--	7.45E-05	5.42E-11	1.25E-06	2.22E-16	1.16E-06	1.40E-01	2.44E-02	9.00E-06	1.66E+00
IN	BNINW218-S	475.58	4.25E+01	--	--	1.04E-05	2.61E-01	2.30E+00	4.49E+01	9.23E+00	9.32E+01	1.35E-03	--	1.70E-05	2.14E-10	3.01E-07	2.70E-17	2.28E-06	1.67E-02	1.79E-03	5.48E-07	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	1.43E-01	--	--	--	1.84E-06	2.47E-02	7.32E-01	1.68E-01	1.09E+00	1.35E-05	--	--	3.69E-16	3.17E-13	1.23E-19	7.90E-12	7.03E-08	7.22E-10	4.99E-09	2.03E-15
IN	ID-RF-S3114-S	95.54	5.61E+00	--	--	1.45E-06	1.24E-04	4.63E-01	1.36E+01	2.90E+00	2.77E+01	2.58E-04	--	2.43E-06	--	--	--	--	4.02E-04	1.10E-05	--	8.77E-05
IN	ID-RF-S3150-A-S	165.96	2.63E+01	--	--	1.51E-05	1.46E-03	5.95E+00	1.29E+02	2.86E+01	2.84E+02	2.40E-03	--	2.58E-05	2.97E-13	5.06E-06	2.10E-17	6.33E-09	5.63E-01	8.61E-05	8.49E-07	1.84E-04
IN	ID-RF-S5100-A-S	525.75	5.76E+01	--	--	8.93E-06	5.62E-04	8.44E+00	2.47E+02	5.66E+01	3.76E+02	4.74E-03	--	1.51E-05	9.69E-08	8.15E-09	4.14E-17	1.03E-03	9.18E-04	2.33E-05	1.68E-06	4.50E-06
IN	ID-RF-S5126-S	148.89	9.41E+01	--	--	9.77E-01	1.93E-03	1.93E+01	5.20E+02	1.21E+02	9.95E+02	9.90E-03	--	1.36E-05	2.01E-05	1.50E-07	8.85E-17	2.15E-01	1.67E-02	1.27E-05	3.58E-06	1.49E-12
IN	ID-RF-S5300-A-S	1429.67	4.49E+01	1.71E-08	5.30E-01	1.30E-05	3.39E-03	5.25E+00	1.57E+02	3.55E+01	1.75E+03	3.60E-03	--	1.82E-05	--	--	--	2.87E-01	2.03E-02	5.36E-04	--	8.31E-04
IN	IN-BN004	437.22	5.44E+01	--	--	--	5.94E-04	4.38E+00	1.69E+02	3.82E+01	1.50E+02	2.77E-03	--	--	5.52E-11	1.10E-07	4.49E-14	4.70E-08	5.84E-04	6.67E-06	4.54E-05	1.67E-11
IN	IN-BN161	439.30	3.92E+02	--	--	--	7.34E-03	5.71E+01	1.66E+03	3.78E+02	7.84E+02	3.06E-02	--	--	7.61E-10	6.47E-07	2.02E-13	6.65E-07	5.01E-03	6.36E-05	3.03E-04	1.25E-10
IN	IN-BN211	424.74	4.15E+02	2.16E-07	--	5.94E-07	2.30E-02	5.60E+01	1.60E+03	3.69E+02	7.38E+02	3.09E-02	--	9.92E-07	5.99E-05	1.14E-06	1.98E-13	2.37E-02	7.01E-03	5.30E-04	2.96E-04	3.58E-06
IN	IN-BN-243	347.36	3.88E+01	--	--	--	4.11E-04	5.28E+00	2.00E+02	4.43E+01	1.20E+02	8.02E-03	--	--	3.70E-11	1.33E-07	5.20E-14	3.19E-08	7.03E-04	1.50E-04	5.26E-05	9.79E-06
IN	IN-BN252	146.85	1.68E+02	--	--	2.19E-07	5.46E-02	2.57E+01	8.66E+02	1.86E+02	5.42E+02	1.99E-02	--	3.42E-07	7.38E-09	3.29E-07	9.20E-14	6.08E-06	2.42E-03	1.88E-04	1.43E-04	7.80E-11
IN	IN-BN296	925.39	1.33E+03	--	8.95E-01	9.76E-06	8.40E-02	1.28E+02	3.23E+03	7.16E+02	1.53E+03	7.31E-02	--	1.72E-05	2.58E-05	1.68E-06	3.55E-13	1.06E-02	1.22E-02	1.88E+00	5.53E-04	1.22E-03
IN	IN-BN304	222.56	3.96E+01	--	--	1.64E-04	1.97E-03	8.78E+03	2.10E+01	1.58E+01	5.43E+01	1.34E-02	--	3.28E-04	2.40E-10	8.73E-05	7.84E-15	2.03E-07	7.21E-01	3.04E-05	1.22E-05	1.65E-02
IN	IN-BN-510	11650.46	5.86E+03	3.55E-03	--	--	1.31E-01	3.14E+04	1.72E+04	4.22E+03	4.73E+04	3.37E-01	--	--	6.84E-01	9.79E-05	1.43E+00	4.87E+02	1.43E+00	4.92E-01	1.88E-03	1.26E-02
IN	IN-BN835	1219.05	2.02E-02	--	--	--	1.68E-07	6.49E+03	3.73E+00	3.80E+00	1.14E-01	6.34E-06	--	--	1.07E-14	1.56E-04	4.26E-15	1.08E-11	8.45E-01	1.43E-07	4.41E-06	3.73E-14
IN	IN-BN836	2043.09	1.40E-01	--	--	--	1.17E-06	4.63E+03	1.09E-01	5.64E-02	7.89E-01	4.94E-05	--	--	7.46E-14	1.10E-04	6.31E-17	7.54E-11	5.99E-01	4.19E-09	6.54E-08	2.91E-13
IN	IN-BNINW216	4431.23	1.87E+04	--	--	--	2.49E-01	2.25E+01	8.77E+02	1.99E+02	7.73E+02	1.43E-02	--	--	2.74E-08	5.69E-07	2.33E-13	2.18E-05	3.00E-03	3.46E-05	2.36E-04	8.65E-11
IN	IN-BNINW218	945.00	1.67E+02	--	--	--	1.87E-03	9.29E-01	3.43E+01	7.76E+00	4.02E+01	5.59E-04	--	--	1.47E-10	1.64E-08	6.58E-15	1.38E-07	1.03E-04	1.15E-06	7.83E-06	2.87E-12
IN	IN-GEM-01	7.28	3.27E+00	--	--	--	3.18E-06	3.47E-02	1.59E+00	3.64E-01	1.70E+00	1.87E-05	--	--	1.95E-15	4.05E-12	2.40E-18	2.08E-11	2.99E-07	4.70E-09	3.24E-08	8.47E-15
IN	IN-GEM-02	5.41	2.43E+00	--	--	--	2.36E-06	2.58E-02	1.18E+00	2.70E-01	1.26E+00	1.39E-05	--	--	1.45E-15	3.01E-12	1.78E-18	1.55E-11	2.22E-07	3.49E-09	2.40E-08	6.29E-15
IN	IN-ID-RF-S3114	3608.01	6.14E+02	--	--	9.38E-05	1.66E-02	4.05E+01	1.39E+03	2.96E+02	1.08E+03	2.64E-02	--	1.55E-04	1.14E-09	7.63E-06	8.68E-14	1.27E-06	4.36E-02	1.15E-03	1.76E-04	8.99E-03
IN	IN-ID-RF-S3150-A	178.88	1.49E+02	--	--	5.68E-05	7.80E-03	2.70E+00	6.42E+02	1.42E+02	7.93E+02	1.20E-02	--	9.66E-05	2.53E-10	3.28E-04	1.76E-14	4.21E-07	2.81E+00	4.36E-04	5.48E-05	9.18E-04
IN	IN-ID-RF-S5126-A	291.20	1.59E+03	--	--	7.70E+00	3.91E-02	2.22E+02	7.28E+03	1.69E+03	4.19E+03	1.39E-01	--	1.05E-04	7.31E-03	5.69E-05	8.39E-13	3.00E+00	2.52E-01	3.58E-04	1.31E-03	5.45E-10
IN	IN-ID-RF-S5300-A	12285.00	6.70E+02	1.47E-07	2.20E+00	7.21E-05	3.25E-02	3.88E+01	1.35E+03	3.04E+02	6.03E+03	3.10E-02	--	1.00E-04	4.38E-03	3.00E-05	8.05E-14	2.46E+00	1.77E-01	4.63E-03	1.71E-04	7.14E-03
IN	IN-ID-SDA-Debris	5541.33	1.72E+04	1.33E+01	--	--	4.68E-01	1.28E+03	6.42E+03	1.69E+03	--	--	--	--	5.06E-04	2.20E-03	5.07E-10	1.50E-01	6.86E+00	5.50E-01	2.86E-01	1.16E+01
IN	IN-ID-SDA-Sludge	11811.28	3.66E+04	2.82E+01	--	--	9.98E-01	2.72E+03	1.37E+04	3.60E+03	--	--	--	--	1.08E-03	4.68E-03	1.08E-09	3.20E-01	1.46E+01	1.17E+00	6.10E-01	2.48E+01
IN	IN-ID-SDA-Soil	665.60	2.06E+03	1.59E+00	--	--	5.62E-02	1.53E+02	7.71E+02	2.03E+02	--	--	--	--	6.08E-05	2.64E-04	6.09E-11	1.80E-02	8.24E-01	6.61E-02	3.44E-02	1.40E+00
IN	INW161.001-S	19.14	2.46E+01	--	--	--	3.06E-05	5.32E+00	1.57E+02	3.56E+01	3.27E+02	3.52E-03	--	--	3.17E-14	1.21E-08	4.17E-16	2.56E-10	3.66E-04	8.83E-05	4.22E-06	5.56E-06
IN	IN-W163.1007	11.47	6.55E+00	--	--	--	2.06E-05	2.74E+00	8.68E+01	1.91E+01	1.57E+02	4.22E-03	--	--	2.24E-13	1.10E-08	4.05E-15	5.41E-10	1.41E-04	1.46E-06	9.65E-06	1.08E-11
IN	IN-W167.149	383.30	1.78E+01	--	--	--	7.48E-05	4.22E+00	1.34E+02	2.95E+01	2.42E+02	5.37E-03	--	--	1.19E-12	1.70E-08	6.25E-15	2.43E-09	2.18E-04	2.24E-06	1.49E-05	1.38E-11
IN	INW169.001-S	19.14	4.58E+00	--	--	--	5.76E-06	6.61E-01	1.97E+01	4.39E+00	4.56E+01	5.91E-04	--	--	6.01E-15	1.08E-08	5.15E-17	4.84E-11	3.05E-04	7.23E-05	5.21E-07	4.37E-06
IN	IN-W181.162	80.29	3.02E+00	--	--	--	9.51E-06	8.42E-01	2.72E+01	6.17E+00	7.26E+01	4.45E-04	--	--	1.03E-13	3.40E-09	1.31E-15	2.50E-10	4.35E-05	4.56E-07	3.11E-06	1.14E-12
IN	IN-W188.160	149.11	5.56E+00	--	--	--	1.75E-05	2.32E+00	7.36E+01	1.62E+01	1.34E+02	3.00E-03	--	--	1.90E-13	9.36E-09	3.44E-15	4.59E-10	1.20E-04	1.23E-06	8.18E-06	7.69E-12
IN	INW198.001-S	49.09	5.98E+00	--	--	--	7.42E-06	1.20E+00	3.78E+01	8.45E+00	7.96E+01	8.87E-04	--	--	9.76E-08	5.34E-09	9.89E-17	2.60E-04	1.55E-04	3.57E-05	1.00E-06	5.90E-05
IN	INW211.001-S	303.92	7.33E+02	--	--	--	9.10E-04	1.33E+02	3.64E+03	8.11E+02	9.75E+03	1.40E-01	--	--	4.86E-06	1.63E-07	9.50E-15	1.30E-02	5.28E-03	9.56E-04	9.62E-05	1.47E-03
IN	INW216.001-S	1245.06	5.70E+04	--	--	--	9.28E-02	1.12E+02	3.26E+03	7.32E+02	8.14E+03	1.18E-01	--	--	1.57E-05	2.80E-05	1.34E-14	3.35E-02	6.23E-01	1.03E-01	1.09E-04	3.89E+00
IN	INW218.001-S	1110.87	8.27E+02	--	--	--	1.34E-03	1.67E+01	4.97E+02	1.11E+02	1.22E+03	1.70E-02	--	--	5.22E-06	4.16E-05	2.04E-15	1.11E-02	9.25E-01	1.02E-01	1.65E-05	8.74E+00
IN	IN-W219.110	7.70	1.05E+00	--	--	--	3.30E-06	2.92E-01	9.46E+00	2.15E+00	2.52E+01	1.54E-04	--	--	3.59E-14	1.18E-09	4.54E-16	8.67E-11	1.51E-05	1.59E-07	1.08E-06	3.96E-13
IN	IN-W219.914	1.89	8.50E-02	--	--	--	2.68E-07	2.36E-02	7.67E-01	1.74E-01	2.04E+00	1.25E-05	--	--	2.91E-15	9.53E-11	3.69E-17	7.02E-12	1.22E-06	1.29E-08	8.77E-08	3.21E-14
IN	INW222.001-S	65.10	5.27E+01	--	--	--	6.57E-05	9.95E+00	2.84E+02	6.38E+01	6.54E+02	7.40E-03	--	--	6.82E-14	3.29E-08	7.48E-16	5.50E-10	9.71E-04	1.05E-04	7.57E-06	7.02E-03
IN	IN-W222.116	259.02	7.16E+01	--	--	--	2.30E-04	2.92E+01	9.24E+02	2.04E+02	1.68E+03	3.70E-02	--	--	2.58E-12	1.18E-07	4.32E-14	6.12E-09	1.51E-03	1.55E-05	1.03E-04	9.50E-11
IN	INW243.001-S	74.88	7.39E+01	--	--	--	1.16E-04	1.03E+01	2.37E+02	5.29E+01	5.75E+02	6.81E-03	--	--	1.16E-06	8.61E-08	9.69E-16	2.47E-03	1.99E-03	4.49E-04	7.85E-06	3.17E-04
IN	INW247.001R1-S	116.90	8.56E+01	--	--	--	1.32E-04	2.44E+01	4.15E+02	9.47E+01	1.05E+03	7.92E-03	--	--	3.54E-06	9.05E-09	1.73E-15	7.54E-03	3.77E-04	8.05E-06	1.40E-05	5.97E-12
IN	INW252.001-S	60.94	5.27E+01	--	--	--	6.38E-05	1.20E+01	3.02E+02	6.85E+01	1.06E+03	6.81E-03	--	--	6.53E-14	3.02E-08	8.02E-16	5.29E-10	9.09E-04	2.26E-04	8.12E-06	4.11E-12

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	IN-W263.520	280.07	5.07E-02	--	--	--	1.60E-07	3.58E+02	1.90E+01	3.02E-02	1.22E+00	2.64E-05	--	--	1.74E-15	1.44E-06	6.40E-18	4.19E-12	1.85E-02	3.19E-07	1.52E-08	6.78E-14
IN	IN-W267.1005	11.47	1.18E+01	--	--	--	3.71E-05	4.93E+00	1.56E+02	3.43E+01	2.83E+02	8.05E-03	--	--	4.04E-13	1.99E-08	7.28E-15	9.74E-10	2.55E-04	2.61E-06	1.73E-05	2.07E-11
IN	INW276.001-S	10.19	5.43E+00	--	--	--	1.39E-05	2.30E+00	3.18E+01	7.25E+00	8.11E+01	6.55E-04	--	--	7.04E-14	2.50E-09	4.30E-16	2.57E-10	6.09E-05	5.43E-07	1.94E-06	8.89E-13
IN	INW276.002-S	16.02	8.55E+00	--	--	--	1.99E-05	3.48E+00	4.78E+01	1.09E+01	1.27E+02	9.82E-04	--	--	5.48E-07	3.19E-09	5.10E-16	7.30E-04	8.46E-05	1.14E-06	2.58E-06	1.18E-12
IN	INW276.003-S	186.58	3.15E+02	--	--	--	5.62E-04	1.29E+02	1.73E+03	3.93E+02	5.15E+03	3.66E-02	--	--	2.93E-05	7.03E-08	1.04E-14	5.21E-02	2.42E-03	4.94E-05	7.00E-05	1.12E-06
IN	INW276.004-S	46.80	7.69E+01	--	--	--	1.39E-04	2.69E+01	3.67E+02	8.36E+01	1.08E+03	7.65E-03	--	--	2.55E-05	2.02E-08	2.21E-15	4.53E-02	6.08E-04	3.05E-05	1.49E-05	6.92E-12
IN	INW296.001-S	97.76	1.52E+02	--	--	--	2.39E-04	2.87E+01	5.13E+02	1.16E+02	1.31E+03	1.10E-02	--	--	4.75E-06	3.96E-08	2.13E-15	1.01E-02	1.09E-03	1.54E-04	1.72E-05	3.96E-04
IN	IN-W315.601	34.41	2.17E+03	--	--	--	1.21E-02	8.76E-01	2.83E+01	6.42E+00	7.54E+01	4.61E-04	--	--	2.39E-10	3.53E-09	1.36E-15	4.48E-07	4.52E-05	4.75E-07	3.24E-06	1.18E-12
IN	IN-W319.584	4.79	1.82E+00	--	--	--	5.73E-06	7.62E-01	2.40E+01	5.31E+00	4.37E+01	1.40E-03	--	--	6.23E-14	3.08E-09	1.12E-15	1.50E-10	3.94E-05	4.03E-07	2.68E-06	3.59E-12
IN	IN-W321.1023	11.47	1.58E+01	--	--	--	4.97E-05	6.59E+00	2.09E+02	4.60E+01	3.79E+02	6.77E-03	--	--	5.40E-13	2.66E-08	9.75E-15	1.30E-09	3.40E-04	3.50E-06	2.32E-05	1.74E-11
IN	IN-W322.851	1.89	--	--	--	--	--	--	9.12E+00	1.89E+00	--	--	--	--	--	--	4.00E-16	--	--	2.48E-04	9.52E-07	--
IN	IN-W322.952	1.66	--	--	--	--	--	--	2.43E+01	5.04E+00	--	--	--	--	--	--	1.07E-15	--	--	6.59E-04	2.54E-06	--
IN	IN-W323.562	1.89	5.34E-02	--	--	--	1.68E-07	1.19E+00	2.49E-01	--	1.28E+00	--	--	--	1.83E-15	4.79E-09	--	4.41E-12	6.13E-05	9.58E-05	--	--
IN	IN-W323.951	1.46	4.42E-01	--	--	--	1.39E-06	9.85E-02	2.08E+00	--	1.06E+01	--	--	--	1.51E-14	3.97E-10	--	3.65E-11	5.08E-06	7.98E-04	--	--
IN	IN-W332.661	4.79	--	--	--	--	--	1.47E+01	1.19E-01	--	--	--	--	--	--	5.93E-08	--	--	7.59E-04	2.00E-09	--	--
IN	IN-W337.673	0.21	--	--	--	--	--	--	3.04E+00	6.30E-01	--	--	--	--	--	--	1.33E-16	--	--	8.24E-05	3.18E-07	--
IN	IN-W337.957	1.89	--	--	--	--	--	--	9.12E+00	1.89E+00	--	--	--	--	--	--	4.00E-16	--	--	2.48E-04	9.52E-07	--
IN	IN-W342.652	1.89	4.52E+00	--	--	--	2.53E-05	--	4.02E-02	2.01E-17	--	--	2.67E-14	--	4.98E-13	--	--	9.34E-10	--	6.75E-10	2.91E-24	--
IN	IN-W342.953	0.42	3.02E+00	--	--	--	1.69E-05	--	2.68E-02	1.34E-17	--	--	1.78E-14	--	3.32E-13	--	--	6.24E-10	--	4.50E-10	1.94E-24	--
IN	IN-W347.818	153.90	2.62E+00	--	--	--	1.46E-05	--	7.65E+01	1.36E+02	--	--	--	--	2.88E-13	3.58E-12	2.86E-05	5.41E-10	4.68E-08	9.32E-05	6.86E-05	9.77E-04
IN	IN-W348.1012	22.94	2.93E+01	--	--	--	9.26E-05	1.22E+01	3.85E+02	8.49E+01	7.00E+02	1.53E-02	--	--	1.01E-12	4.90E-08	1.80E-14	2.43E-09	6.27E-04	6.46E-06	4.28E-05	3.92E-11
IN	IN-W353.917	0.21	--	--	--	--	6.92E-05	--	2.49E-02	--	--	--	--	--	4.06E-12	--	--	5.09E-09	--	4.18E-10	--	--
IN	IN-W357.1022	4.79	5.71E-02	--	--	--	1.80E-07	2.38E-02	7.52E-01	1.66E-01	1.37E+00	3.42E-05	--	--	1.95E-15	9.60E-11	3.52E-17	4.71E-12	1.23E-06	1.26E-08	8.37E-08	8.76E-14
IN	IN-W358.854	1.89	--	--	--	--	--	3.80E+02	1.88E+00	3.62E+00	--	--	--	--	--	6.21E-07	3.21E-16	--	1.24E-02	2.04E-08	1.18E-06	--
IN	IN-W358.855	3.33	--	--	--	--	--	2.03E+03	1.00E+01	1.93E+01	--	--	--	--	--	3.32E-06	1.71E-15	--	6.61E-02	1.09E-07	6.30E-06	--
IN	IN-W358.948	0.21	--	--	--	--	--	4.22E+02	2.09E+00	4.02E+00	--	--	--	--	--	6.91E-07	3.56E-16	--	1.38E-02	2.27E-08	1.31E-06	--
IN	IN-W361.1021	11.47	5.55E+00	--	--	--	1.76E-05	2.31E+00	7.30E+01	1.61E+01	1.33E+02	2.84E-03	--	--	1.93E-13	9.31E-09	3.42E-15	4.63E-10	1.19E-04	1.22E-06	8.15E-06	7.30E-12
IN	IN-W362.1020	45.88	7.20E+01	--	--	--	2.27E-04	3.01E+01	9.54E+02	2.10E+02	1.73E+03	3.62E-02	--	--	2.47E-12	1.21E-07	4.45E-14	5.95E-09	1.55E-03	1.60E-05	1.06E-04	9.27E-11
IN	IN-W363.1019	4.79	3.39E+00	--	--	--	1.07E-05	1.42E+00	4.49E+01	9.85E+00	8.13E+01	1.52E-03	--	--	1.16E-13	5.71E-09	2.09E-15	2.80E-10	7.31E-05	7.53E-07	4.97E-06	3.91E-12
IN	IN-W364.1011	4.79	5.58E+00	--	--	--	1.76E-05	2.33E+00	7.37E+01	1.63E+01	1.34E+02	3.78E-03	--	--	1.91E-13	9.41E-09	3.44E-15	4.61E-10	1.20E-04	1.24E-06	8.20E-06	9.70E-12
IN	IN-W365.1010	11.47	3.50E+02	--	--	--	1.95E-03	1.86E+00	5.88E+01	1.29E+01	1.07E+02	2.49E-03	--	--	3.82E-11	7.49E-09	2.74E-15	7.18E-08	9.58E-05	9.86E-07	6.53E-06	6.38E-12
IN	IN-W366.841	16.26	4.99E+00	--	--	--	1.87E-05	1.58E+00	4.97E+01	1.09E+01	9.04E+01	1.92E-03	--	--	2.64E-13	6.37E-09	2.32E-15	5.65E-10	8.15E-05	8.34E-07	5.52E-06	4.92E-12
IN	IN-W372.832	1.89	4.52E+00	--	--	--	2.53E-05	--	4.02E-02	2.01E-17	--	--	2.67E-14	--	4.98E-13	--	--	9.34E-10	--	6.75E-10	2.91E-24	--
IN	IN-W375.1096	199.78	1.39E+00	--	--	--	4.39E-06	5.82E-01	1.84E+01	4.07E+00	3.35E+01	7.39E-04	--	--	4.77E-14	2.35E-09	8.62E-16	1.15E-10	3.00E-05	3.09E-07	2.05E-06	1.90E-12
KN	KN-B234PCBTRU	0.42	6.67E-03	--	--	--	8.58E-09	1.08E-03	1.32E-02	4.45E-03	1.93E-02	4.78E-07	--	--	7.10E-09	4.57E-11	3.45E-08	1.89E-05	1.28E-06	6.04E-08	5.28E-10	6.91E-07
KN	KN-B234TRU	968.06	3.42E+02	--	--	--	4.40E-04	5.54E+01	6.81E+02	2.29E+02	9.90E+02	1.77E-03	--	--	2.44E-05	1.76E-07	1.26E-04	6.51E-02	5.21E-03	2.20E-04	2.72E-05	1.73E-02
LA	LA-LAMHD01	241.23	1.03E+03	3.13E-02	2.88E-02	3.57E-05	1.20E-02	1.74E+03	6.79E+03	1.67E+03	8.32E+03	3.39E+00	3.03E-06	3.59E-05	2.59E-04	3.90E-05	8.70E-07	1.03E-01	2.32E-01	6.00E-04	1.36E-03	7.13E-03
LA	LA-LAMHD02238	368.09	1.21E+01	--	--	--	1.10E-05	1.92E+04	1.28E+01	6.50E+00	3.23E+02	5.56E-03	--	--	6.53E-15	1.78E-05	4.29E-17	7.05E-11	7.44E-01	3.78E-08	5.78E-07	2.52E-12
LA	LA-LAMHD03	5.62	5.93E+00	9.73E-06	--	--	1.09E-04	2.06E+02	8.56E+00	2.14E+00	9.99E+00	1.37E-03	8.72E-10	--	1.05E-11	2.42E-06	1.48E-15	9.50E-09	1.85E-02	2.62E-06	1.98E-06	2.89E-07
LA	LA-LAMIN02V	42.92	3.99E+01	--	--	--	2.46E-05	1.11E+01	3.87E+02	9.18E+01	1.21E+03	5.19E-03	--	--	6.54E-15	5.75E-10	2.69E-16	1.06E-10	6.37E-05	7.63E-07	5.45E-06	1.57E-12
LA	LA-LAMIN03NC	0.62	1.42E+00	--	--	--	4.48E-07	4.19E-01	1.44E+01	3.43E+00	4.73E+01	1.94E-04	--	--	3.01E-17	5.38E-12	2.51E-18	9.67E-13	1.19E-06	1.42E-08	1.02E-07	2.92E-14
LA	LA-LAMIN04S	322.24	2.38E+03	--	--	--	1.50E-03	4.37E+02	1.02E+04	2.61E+03	3.85E+04	1.62E+00	7.88E-07	--	4.04E-13	2.25E-08	7.63E-15	6.49E-09	2.50E-03	2.01E-05	1.55E-04	4.88E-10
LA	LA-LA-NCD01	434.62	2.00E+02	9.22E-04	--	--	6.50E-03	1.91E+03	1.64E+03	3.95E+02	4.80E+03	2.40E-02	--	--	1.17E-11	7.13E-07	2.60E-15	8.38E-08	3.46E-02	1.66E-02	3.52E-05	2.05E-04
LA	LA-LANHD01	269.76	3.97E+02	--	--	--	2.06E-03	1.14E+03	2.51E+03	5.95E+02	3.46E+03	3.42E-02	--	--	4.56E-11	3.91E-05	1.57E-13	7.92E-08	2.61E-01	3.30E-04	3.36E-04	3.28E-06
LA	LA-LANHD02238	2245.18	2.56E+02	1.04E-04	--	--	2.62E-03	2.91E+05	2.08E+02	1.05E+02	3.39E+03	8.88E-02	--	--	6.80E-11	1.56E-03	1.30E-14	1.20E-07	1.89E+01	2.67E-06	4.06E-05	1.74E-10
LA	LA-LANIN03NC	1119.02	4.69E+03	3.26E+00	--	--	9.70E-01	3.40E+04	3.72E+04	9.19E+03	1.29E+05	6.65E-01	--	--	7.92E-10	1.75E-06	2.69E-14	8.44E-06	1.95E-01	7.34E-05	5.45E-04	2.01E-10
LA	LA-MHD01.001-S	487.32	3.40E+03	8.41E-01	3.16E+00	7.41E-04	1.67E-01	3.89E+03	4.12E+04	1.93E+03	2.69E+05	1.45E+00	--	9.77E-01	4.77E-05	8.49E-03	4.52E-06	5.08E-01	7.17E-01	2.33E-03	5.72E-05	2.20E-03
LA	LA-MHD02.001-S	13.52	1.78E+00	4.01E-05	--	2.44E-06	8.27E-05	1.78E+03	1.39E+00	7.02E-01	6.81E+00	7.18E-04	--	2.44E-06	--	--	--	2.56E-06	3.32E-01	6.32E-07	--	--
LA	LA-MHD02238	0.21	6.90E-03	--	--	--	4.16E-09	1.43E+01	8.71E-03	4.45E-03	2.96E-01	3.57E-06	--	--	1.09E-18	7.37E-10	1.30E-20	1.77E-14	8.18E-05	1.72E-11	2.64E-10	1.08E-15
LA	LA-MHD03.001-S	47.01	1.04E+01	3.10E-03	--	1.94E-03	2.95E-03	5.66E+01	2.51E+01	7.08E+00	1.13E+02	2.57E-03	--	1.94E-03	--	--	--	--	7.54E-03	2.49E-05	--	1.50E-04
LA	LA-MIN03-NC.001-S	248.69	1.34E+02	2.93E-04	--	3.60E-02	1.85E-03	6.06E+00	1.08E+02	1.58E+01	2.56E+02	1.58E-02	--	2.72E-02	1.81E-11	8.58E-08	1.15E-17	1.97E-07	9.55E-03	2.46E-04	4.67E-07	7.93E-05
LA	LA-OS-00-01	118.14	1.30E+04	--	--	3.76E+00	2.53E-02	1.21E+03	--	--	--	--	--	--	6.11E-11	5.72E-07	--	3.26E-07	2.10E-02	--	--	--
LA	LA-OS-00-01.001-S	75.71	4.80E+02	--	--	1.55E-01	--	6.48E+03	6.96E+02	2.09E+02	7.04E+02	5.65E-02	--	1.33E-01	--	--	--	2.34E-07	5.43E-01	2.90E-05	--	9.81E-07
LA	LA-OS-00-01-S	0.42	2.62E+00	--	--	2.63E-04	1.52E-05	1.75E+00	4.78E+00	4.86E+00	5.86E+00	9.65E-05	--	2.46E-04	4.12E-14	9.33E-02	5.70E-17	2.29E-10	2.01E-05	1.88E-08	5.77E-07	5.82E-14
LA	LA-OS-00-03	14.56	2.55E+01	--	--	--	4.98E-05	--	--	--	--	--	--	--	1.20E-13	--	--	6.41E-10	--	--	--	--
LA	LA-PX-00-01	0.62	1.06E-02	--	--	--	3.19E-08	4.82E-03	5.60E-02	1.32E-02	8.37E-02	--	--	--	2.06E-16	6.49E-12	9.66E-19	6.69E-13	1.42E-07	5.53E-10	3.91E-09	--
LA	LA-TA-00-01	322.96	3.44E+01	8.19E-03	2.37E+01	--	5.69E-03	4.12E+02	1.11E+02	2.09E+01	7.85E+01	1.04E-01	1.06E-04	--	3.96E-06	7.76E-06	1.10E-07	1.21E-03	4.71E-02	4.89E-06	2.17E-05	7.62E-05
LA	LA-TA-00-02	0.21	1.02E+00	--	--	--	2.04E-06	2.24E+00	1.07E-02	1.75E-01	2.00E+01	1.15E-01	1.61E-07	--	6.22E-15	1.45E-09	6.29E-18	2.92E-11	4.56E-05	7.40E-11	3.64E-08	1.22E-10
LA	LA-TA-03-01	0.21	3.64E-02	--	--	--	6.65E-06	5.16E-03	1.84E-01	4.36E-02	4.96E-01	2.46E-06	--	--	3.31E-14	1.69E-12	7.97E-19	1.41E-10	7.47E-08	9.05E-10	6.46E-09	1.86E-15
LA	LA-TA-03-03	13.52	6.09E-01	9.20E-04	--	1.83E-06	8.50E-04	1.21E+01	4.16E+00	9.90E-01	1.04E+01	5.90E-05	--	1.83E-06	1.03E-07	1.53E-08	3.55E-17	2.55E-08	3.66E-04	8.35E-06	2.05E-07	4.82E-08
LA	LA-TA-03-04	0.42	8.91E-02	--	--	--	1.78E-05	1.78E+00	2.88E-01	6.86E-02	8.48E-01	4.30E-06	--	--	5.63E-14	3.71E-10	8.03E-19	3.01E-10	2.05E-05	1.14E-09	8.13E-09	2.59E-15
LA	LA-TA-03-05	3.14	3.83E-02	--	--	--	1.44E-05	3.21E-01	2.45E-01	5.89E-02	5.98E-01	3.64E-06	--	--	1.41E-13	2.08E-10	2.11E-18	4.31E-10	6.55E-06	1.34E-05	1.22E-08	3.74E-05
LA	LA-TA-03-06	0.21	2.09E-01	2.75E-04	--	--	3.18E-05	2.50E-01	3.00E-01	7.13E-02	8.16E-01	4.09E-06	--	--	1.58E-13	8.19E-11	1.31E-18	6.74E-10	3.62E-06	1.48E-09	1.06E-08	3.09E-15
LA	LA-TA-03-07	3.74	2.31E-01	4.70E-04	--	2.01E-06	5.71E-04	8.40E-02	1.55E+00	3.42E-01	3.78E+00	2.09E-05	--	1.04E-06	4.13E-12	3.98E-11	9.02E-18	1.47E-08	1.46E-06	6.29E-06	6.08E-08	6.13E-08
LA	LA-TA-03-08	37.80	3.51E-01	6.41E-04	--	4.84E-05	6.45E-05	3.58E+00	3.25E-01	5.61E-02	5.98E-01	3.96E-06	--	--	1.04E-12	3.88E-09	3.33E-18	2.48E-09	9.48E-05	1.94E-04	1.50E-08	5.67E-04
LA	LA-TA-03-09	33.15	2.35E+01	4.77E-03	--	5.27E-06	5.51E-02	9.53E+00	2.47E+01	5.89E+00	6.08E+01	1.02E-02	1.08E-08	--	9.01E-10	1.03E-08	3.49E-16	2.14E-06	2.52E-04	1.15E-04	1.57E-06	3.97E-05

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-03-10	485.93	3.42E+01	6.32E-02	--	5.70E-06	2.31E-02	5.53E+02	1.40E+02	3.30E+01	3.67E+02	2.06E-03	--	--	1.66E-10	2.62E-07	8.72E-16	5.91E-07	9.65E-03	1.23E-03	5.88E-06	1.45E-04
LA	LA-TA-03-12	200.53	3.09E+01	1.53E-02	2.46E-02	2.98E-04	1.21E-03	2.21E+02	7.48E+01	1.87E+01	8.94E+01	2.93E-02	2.36E-08	2.05E-04	2.47E-10	6.22E-06	1.10E-08	1.59E-07	3.18E-02	1.79E-03	3.86E-05	9.15E-06
LA	LA-TA-03-13	23.30	3.85E+00	1.69E-04	--	2.56E-05	6.54E-04	5.87E+01	2.09E+01	4.81E+00	2.75E+01	3.59E-04	--	2.30E-05	2.93E-11	5.91E-07	3.37E-15	4.19E-08	5.68E-03	7.48E-05	5.61E-06	2.81E-07
LA	LA-TA-03-14	56.77	8.64E+00	4.97E-03	--	9.49E-03	4.81E-04	9.45E+01	1.61E+01	4.29E+00	1.82E+01	1.13E-02	1.00E-08	1.38E-01	1.04E-10	2.08E-06	1.09E-14	6.60E-08	1.18E-02	1.61E-04	8.51E-06	5.02E-06
LA	LA-TA-03-15	8.94	1.42E+00	4.98E-03	--	9.41E-06	1.32E-04	7.98E+00	1.92E+00	4.58E-01	3.70E+00	2.26E-03	1.75E-09	9.54E-06	5.83E-12	5.01E-08	5.61E-16	8.36E-09	5.48E-04	5.87E-06	8.59E-07	8.45E-07
LA	LA-TA-03-16	28.29	3.72E+00	--	--	--	9.62E-04	1.22E+01	1.43E+01	5.72E+00	5.20E+01	1.65E-03	--	--	1.11E-10	1.38E-07	2.42E-15	9.91E-08	1.08E-03	3.38E-07	4.08E-06	5.96E-12
LA	LA-TA-03-18	0.62	--	--	4.44E+01	--	--	--	6.23E-03	3.28E-01	--	--	--	--	--	--	1.23E-16	--	--	2.09E-10	2.00E-07	--
LA	LA-TA-03-19	51.17	1.30E+00	--	--	5.07E-05	3.70E-05	4.40E+01	4.39E+00	1.48E+00	8.76E+00	5.06E-04	--	5.08E-05	7.30E-12	8.28E-07	1.33E-15	4.71E-09	5.03E-03	1.51E-07	1.54E-06	2.67E-12
LA	LA-TA-03-20	24.54	1.09E+00	--	--	--	1.47E-03	4.57E+02	6.58E+00	1.89E+00	1.09E+01	3.50E-04	--	--	2.50E-10	5.85E-06	1.17E-15	1.84E-07	4.28E-02	1.88E-07	1.63E-06	1.53E-12
LA	LA-TA-03-21	98.66	4.79E-01	--	--	--	2.32E-04	2.62E+01	3.65E+00	9.17E-01	3.11E+00	9.45E-05	--	--	5.38E-11	4.64E-07	7.78E-16	3.39E-08	2.90E-03	1.22E-07	9.26E-07	4.85E-13
LA	LA-TA-03-23	68.66	1.12E-02	--	--	--	7.59E-08	1.51E+00	1.17E-01	2.74E-02	8.87E-02	1.84E-06	--	--	3.38E-15	2.50E-08	2.19E-17	4.08E-12	1.61E-04	3.80E-09	2.69E-08	9.17E-15
LA	LA-TA-03-24	9.36	2.30E+00	--	--	--	3.83E-04	9.93E+00	1.00E+01	3.42E+00	1.63E+01	7.80E-04	--	--	9.23E-11	1.87E-07	3.08E-15	5.67E-08	1.14E-03	3.45E-07	3.56E-06	4.12E-12
LA	LA-TA-03-25	0.21	3.82E-03	--	--	--	1.36E-08	1.39E-03	5.48E-02	1.28E-02	7.78E-02	7.40E-07	--	--	1.87E-16	7.07E-12	3.39E-18	4.02E-13	8.07E-08	1.03E-09	7.22E-09	2.12E-15
LA	LA-TA-03-26	6.66	4.06E-01	--	--	--	2.96E-06	1.46E+01	4.66E+01	1.01E+00	2.87E+00	6.06E-05	--	--	1.50E-13	6.01E-06	1.35E-13	1.70E-10	1.99E-02	3.73E-03	7.89E-05	5.31E-06
LA	LA-TA-03-28	6.03	4.62E-01	--	--	--	3.34E-06	2.84E+00	4.16E+00	7.68E-01	3.26E+00	1.07E-04	--	--	1.62E-13	4.40E-08	5.77E-16	1.88E-10	2.93E-04	1.31E-07	7.30E-07	5.16E-13
LA	LA-TA-03-29	0.42	6.17E-02	--	--	--	3.02E-07	1.84E+02	1.12E-01	4.40E-02	8.12E-01	3.16E-05	--	--	7.42E-15	1.68E-06	2.02E-17	1.20E-11	1.44E-02	2.77E-09	3.26E-08	1.19E-13
LA	LA-TA-03-30	7.77	8.92E-02	1.47E-06	--	6.63E-06	2.16E-06	6.91E-02	5.31E-02	1.68E-02	5.79E-02	9.72E-07	--	--	3.22E-13	1.07E-09	1.26E-17	2.36E-10	7.13E-06	3.50E-07	1.60E-08	4.69E-15
LA	LA-TA-03-31	0.21	8.68E-02	--	--	--	3.47E-07	2.93E-02	1.18E+00	2.75E-01	1.52E+00	1.59E-05	--	--	5.89E-15	1.84E-10	8.89E-17	1.14E-11	1.90E-06	2.44E-08	1.71E-07	5.04E-14
LA	LA-TA-03-32	0.21	--	--	--	--	--	--	1.78E-01	--	--	--	--	--	--	--	--	--	--	2.31E-05	--	--
LA	LA-TA-03-33	2.10	2.73E-04	--	--	9.79E-07	1.84E-04	--	--	--	--	--	--	--	4.09E-11	1.66E-13	--	2.64E-08	1.12E-09	--	--	1.20E-05
LA	LA-TA-03-34	39.69	1.53E-02	--	--	1.32E-07	5.88E-08	3.00E+00	3.84E-02	4.29E-03	3.04E-02	2.48E-07	--	--	5.67E-16	5.88E-09	4.53E-19	1.52E-12	1.07E-04	2.66E-06	1.53E-09	6.16E-06
LA	LA-TA-03-40	28.35	--	--	--	--	--	5.62E-01	7.57E+00	--	--	--	--	--	--	5.57E-09	--	--	4.60E-05	3.10E-05	--	--
LA	LA-TA-03-42	96.39	2.85E-03	--	--	--	1.53E-08	1.24E-01	6.01E-01	7.94E-03	3.29E-02	4.60E-07	--	--	4.42E-16	1.33E-09	4.25E-18	6.58E-13	1.06E-05	1.60E-08	6.37E-09	1.87E-15
LA	LA-TA-21-05	0.42	1.00E-01	--	--	--	6.81E-07	2.50E-02	1.04E+00	2.48E-01	7.96E-01	1.67E-05	--	--	3.04E-14	4.14E-10	1.98E-16	3.66E-11	2.67E-06	1.96E-05	2.43E-07	8.32E-14
LA	LA-TA-21-06	256.90	3.60E+01	--	--	--	2.45E-04	1.49E+04	2.04E+02	6.17E+01	2.86E+02	1.13E-02	--	--	1.09E-11	2.47E-04	4.93E-14	1.31E-08	1.59E+00	9.37E-04	6.05E-05	5.61E-11
LA	LA-TA-21-07	678.79	1.74E+01	4.07E-12	--	--	1.27E-04	1.06E+04	2.04E+02	3.92E+01	1.23E+02	3.41E-03	--	--	6.44E-12	2.01E-04	3.53E-14	7.29E-09	1.22E+00	3.72E-05	4.08E-05	2.01E-03
LA	LA-TA-21-08	3.54	4.04E-01	--	--	--	2.75E-06	9.04E+01	2.70E+00	7.59E-01	3.21E+00	1.12E-04	--	--	1.23E-13	1.50E-06	6.06E-16	1.48E-10	9.67E-03	8.79E-08	7.44E-07	5.59E-13
LA	LA-TA-21-09	4.37	3.55E-01	--	--	--	7.47E-05	1.49E+03	3.59E-01	8.38E-02	2.60E-01	3.95E-04	--	--	1.60E-11	2.46E-05	6.70E-17	1.04E-08	1.59E-01	1.17E-08	8.21E-08	1.96E-12
LA	LA-TA-21-10	0.21	--	--	--	--	--	--	5.03E-01	--	--	--	--	--	--	--	--	--	--	1.54E-08	--	--
LA	LA-TA-21-11	24.57	--	--	--	--	--	5.20E-01	2.11E+01	--	--	--	--	--	--	9.19E-09	--	--	5.75E-05	7.09E-07	--	--
LA	LA-TA-21-12	202.87	6.65E+01	--	--	--	4.60E-04	4.44E+04	2.76E+02	9.10E+01	5.12E+02	2.28E-02	--	--	1.25E-01	6.87E-04	6.84E-14	4.17E+01	4.58E+00	2.06E-03	8.65E-05	1.10E-10
LA	LA-TA-21-13	2934.38	1.29E+04	--	--	--	1.50E-01	1.82E+02	1.23E+02	--	--	--	--	--	1.27E-08	5.39E-06	1.10E-04	1.15E-05	2.70E-02	2.40E-02	--	1.12E-02
LA	LA-TA-21-14	85.39	--	--	--	--	--	--	9.31E+00	--	--	--	--	--	--	--	--	--	--	2.57E-07	--	--
LA	LA-TA-21-15	3.54	3.14E-01	--	--	--	2.06E-06	7.99E-02	4.73E+00	8.16E-01	2.65E+00	4.72E-05	--	--	8.60E-14	1.24E-09	6.13E-16	1.07E-10	8.25E-06	1.49E-07	7.75E-07	2.28E-13
LA	LA-TA-21-16	79.87	6.34E+01	--	--	--	4.18E-04	2.08E+01	6.34E+02	1.51E+02	5.31E+02	1.24E-02	--	--	1.76E-11	3.23E-07	1.14E-13	2.18E-08	2.15E-03	3.32E-03	1.44E-04	6.00E-11
LA	LA-TA-21-17	0.62	2.40E-03	--	--	--	1.63E-08	5.98E-04	2.64E-02	6.15E-03	1.91E-02	3.56E-07	--	--	7.28E-16	9.90E-12	4.92E-18	8.77E-13	6.40E-08	8.58E-10	6.03E-09	1.77E-15
LA	LA-TA-21-18	15.12	1.06E+02	--	--	--	2.09E-03	2.55E+01	1.29E+02	5.17E+01	7.13E+02	2.88E-04	--	--	2.31E-10	2.73E-07	2.77E-14	1.97E-07	2.17E-03	3.44E-06	4.15E-05	1.17E-12
LA	LA-TA-21-40	1097.45	5.56E-01	--	--	5.57E-07	1.75E-05	1.36E+03	3.35E+02	8.87E-01	1.54E+00	5.15E-05	1.75E-04	3.52E-06	1.31E-08	1.46E-05	4.74E-16	5.18E-06	1.16E-01	8.91E-06	7.11E-07	1.36E-06
LA	LA-TA-21-41	22.68	--	--	--	--	--	--	1.83E+01	--	--	--	--	--	--	--	--	--	--	4.87E-07	--	--
LA	LA-TA-21-42	103.95	7.36E+00	--	--	--	1.94E-04	4.52E+00	2.11E+01	--	1.53E+01	--	--	--	2.26E-11	4.86E-08	--	1.91E-08	3.86E-04	4.26E-05	--	--
LA	LA-TA-48-01	8.32	2.09E-01	2.09E-05	--	4.91E-04	1.20E-04	4.93E-01	6.11E-01	1.53E-01	1.79E+00	4.27E-06	--	--	3.05E-06	7.99E-10	1.79E-18	8.13E-03	2.50E-05	2.46E-09	1.81E-08	2.95E-15
LA	LA-TA-50-01	0.83	1.61E-02	7.17E-06	--	1.22E-03	2.76E-08	2.22E-04	8.70E-04	--	--	--	--	--	4.33E-17	6.67E-09	--	2.90E-13	1.85E-04	3.42E-06	--	--
LA	LA-TA-50-02	0.62	2.54E-02	--	--	2.95E-07	2.82E-07	3.51E-01	3.51E-02	--	1.89E-01	--	--	--	1.27E-15	1.15E-10	--	5.57E-12	5.08E-06	3.25E-07	--	--
LA	LA-TA-50-05	0.21	1.70E-02	--	--	--	2.19E-08	3.17E-02	1.48E-01	3.96E-03	3.27E-02	--	--	--	2.32E-17	6.60E-12	4.64E-20	1.86E-13	3.65E-07	3.56E-09	4.70E-10	--
LA	LA-TA-50-06	3.55	1.06E+01	--	--	--	5.09E-05	3.12E+00	3.66E+00	2.18E+00	5.41E+01	3.02E-03	--	--	8.40E-13	1.11E-08	4.09E-16	1.71E-09	1.51E-04	5.78E-08	1.03E-06	7.29E-12
LA	LA-TA-50-10	21.01	1.40E+01	--	--	--	3.55E-05	1.83E+02	1.01E+02	2.41E+01	2.33E+02	1.49E-03	--	--	1.78E-13	2.26E-07	1.43E-15	6.51E-10	5.19E-03	3.78E-04	6.44E-06	1.35E-02
LA	LA-TA-50-11	1.04	2.50E-01	--	--	--	1.45E-06	6.41E-02	2.52E+00	5.71E-01	2.48E+00	3.30E-05	--	--	4.68E-14	6.34E-10	2.83E-16	6.63E-11	5.25E-06	6.46E-08	4.41E-07	1.30E-13
LA	LA-TA-50-12	13.21	1.62E-02	--	--	--	2.72E-07	1.95E-01	9.33E-02	--	1.26E-02	--	--	--	2.92E-14	1.31E-08	--	2.47E-11	9.99E-05	2.67E-09	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	8.96E-03	--	--	--	--	--	--	--	4.57E-11	--	--	5.21E-07	--	--	--
LA	LA-TA-50-14	0.42	5.43E-02	--	--	--	4.67E-07	3.07E-03	1.56E-02	--	--	--	--	--	2.16E-14	3.04E-11	--	2.65E-11	2.52E-07	3.99E-10	--	--
LA	LA-TA-50-15	142.15	1.42E+01	--	--	9.57E-01	1.03E-04	2.52E+02	3.72E+01	8.25E+00	4.06E+01	5.36E-04	--	7.84E-01	3.83E-12	2.21E-06	6.05E-15	5.20E-09	1.94E-02	1.64E-03	8.04E-06	1.47E-07
LA	LA-TA-50-16	13.23	4.02E-01	8.19E-03	--	6.19E-03	3.58E-03	3.38E+00	6.34E-01	9.24E-02	2.99E+00	8.69E-06	--	--	1.42E-10	9.10E-09	1.33E-17	2.17E-07	1.42E-04	8.75E-09	3.84E-08	1.83E-14
LA	LA-TA-50-17	329.02	4.39E+02	4.11E-09	--	1.22E-01	3.21E-03	4.44E+01	4.35E+02	--	7.88E-01	1.95E-06	--	4.15E-03	2.54E-05	1.20E-05	--	1.23E-02	6.20E-02	7.96E-03	--	1.80E-05
LA	LA-TA-50-18	100.26	1.08E+02	--	--	--	1.22E-03	2.05E+01	2.99E+02	9.32E-02	9.78E-02	--	--	--	6.37E-05	3.62E-07	7.91E-17	2.00E-02	2.26E-03	2.26E-05	9.41E-08	--
LA	LA-TA-50-19	897.31	2.68E+02	6.69E-05	--	1.51E-03	3.24E-03	8.11E+01	2.70E+02	1.33E+00	7.82E+00	1.35E-04	--	1.51E-03	2.94E-10	1.77E-06	1.20E-15	2.58E-07	1.01E-02	1.39E-04	1.39E-06	1.20E-05
LA	LA-TA-50-20	0.62	5.77E-03	--	--	--	5.36E-08	--	6.03E-03	--	--	--	--	--	2.88E-15	--	--	3.28E-12	--	1.67E-10	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	6.05E-04	--	--	--	--	--	--	--	--	--	--	1.55E-11	--	--
LA	LA-TA-50-41	35.91	9.57E-02	--	--	--	2.62E-07	4.17E-02	1.60E+00	3.73E-01	2.75E+00	2.16E-05	--	--	2.19E-15	1.30E-10	6.15E-17	6.02E-12	1.88E-06	2.36E-08	1.66E-07	4.88E-14
LA	LA-TA-54-01	18.90	4.69E-02	1.15E-05	--	1.22E-03	1.84E-06	6.74E-01	9.46E-02	1.98E-02	2.53E-01	1.14E-06	--	--	3.32E-15	7.86E-11	1.30E-19	2.37E-11	5.80E-06	4.70E-07	1.76E-09	5.15E-16
LA	LA-TA-55-01	1.04	5.81E-01	--	--	--	1.47E-06	4.91E+00	4.39E+00	1.04E+00	9.86E+00	6.02E-05	--	--	7.31E-15	5.33E-09	6.19E-17	2.68E-11	1.30E-04	3.90E-08	2.78E-07	8.17E-14
LA	LA-TA-55-02	1.87	8.59E-01	6.87E-06	--	--	1.68E-05	1.79E-01	6.25E+00	1.48E+00	1.32E+01	8.46E-05	--	--	3.06E-13	7.34E-08	1.08E-16	6.71E-10	8.18E-04	3.35E-05	4.39E-07	3.39E-05
LA	LA-TA-55-03	65.14	4.96E+01	6.21E-04	--	1.47E-06	1.02E-03	1.03E+03	2.82E+02	7.05E+01	7.66E+02	3.39E-01	2.01E-07	1.49E-06	1.87E-11	5.66E-06	5.16E-15	4.09E-08	7.80E-02	1.50E-04	2.09E-05	1.83E-06
LA	LA-TA-55-04	22.97	3.64E+00	7.99E-04	1.26E-02	--	2.34E-05	1.57E+01	2.65E+01	6.36E+00	6.18E+01	4.91E-03	--	--	2.78E-13	1.70E-08	3.77E-16	7.19E-10	4.14E-04	8.77E-06	1.70E-06	2.51E-06
LA	LA-TA-55-05	140.52	2.70E+01	2.72E-04	6.86E-02	1.23E-06	1.95E-04	2.49E+03	1.49E+02	3.71E+01	3.99E+02	1.20E-01	9.07E-08	1.25E-06	3.38E-12	6.53E-06	3.29E-15	7.21E-09	1.06E-01	5.69E-04	1.21E-05	2.54E-05
LA	LA-TA-55-06	1.04	2.34E-01	--	--	--	5.90E-07	4.85E-02	1.75E+00	4.18E-01	3.96E+00	2.44E-05	--	--	2.94E-15	5.25E-11	2.48E-17	1.08E-11	1.28E-06	2.08E-07	1.11E-07	2.59E-09
LA	LA-TA-55-07	10.40	9.83E+00	2.65E-05	--	1.60E-07	6.38E-05	1.04E+02	4.42E+01	1.11E+01	1.37E+02	1.84E-01	1.87E-07	1.62E-07	8.99E-13	1.48E-07	8.17E-16	2.12E-09	3.16E-03	1.26E-04	3.31E-06	9.20E-07

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-08	25.78	1.90E+00	--	--	--	9.36E-06	8.51E+01	1.34E+01	3.21E+00	2.90E+01	2.15E-04	--	--	1.15E-13	1.06E-06	2.35E-16	2.83E-10	1.30E-02	1.33E-07	9.52E-07	3.24E-13
LA	LA-TA-55-09	6.24	3.11E+00	6.33E-06	--	--	1.02E-05	4.07E+02	1.76E+01	4.35E+00	4.75E+01	1.87E-02	8.86E-10	--	8.28E-14	2.70E-06	3.19E-16	2.39E-10	3.59E-02	1.17E-05	1.29E-06	7.07E-05
LA	LA-TA-55-10	3.74	2.00E+00	2.84E-06	--	8.13E-08	1.42E-05	7.47E+01	1.12E+01	2.74E+00	3.20E+01	1.36E-02	--	8.28E-08	1.74E-13	1.01E-07	1.63E-16	4.46E-10	2.23E-03	6.51E-06	7.32E-07	1.85E-11
LA	LA-TA-55-11	2.91	3.97E-01	1.36E-06	--	--	1.35E-05	3.76E+01	3.23E+00	7.74E-01	9.96E+00	4.46E-04	--	--	4.21E-14	1.00E-08	9.06E-18	2.26E-10	4.95E-04	1.56E-06	9.17E-08	2.69E-13
LA	LA-TA-55-12	6.90	3.72E-01	--	--	--	4.42E-06	3.94E+02	7.42E-01	2.56E-01	6.92E+00	1.26E-04	--	--	4.95E-14	1.07E-06	1.20E-17	1.37E-10	1.94E-02	2.29E-04	6.07E-08	8.75E-07
LA	LA-TA-55-14	641.77	6.04E+04	--	--	--	2.17E-01	2.24E+03	8.07E+03	2.01E+03	2.07E+04	6.43E+00	4.86E-06	--	1.79E-09	3.67E-06	1.79E-13	5.19E-06	7.31E-02	9.09E-03	6.57E-04	3.80E-03
LA	LA-TA-55-15	18.30	7.85E+01	--	--	--	2.18E-04	1.00E+03	5.34E+02	1.30E+02	1.24E+03	9.40E-03	--	--	1.34E-12	1.35E-06	9.56E-15	4.42E-09	2.96E-02	5.27E-06	3.87E-05	1.42E-11
LA	LA-TA-55-17B	22.24	6.46E-01	--	--	--	1.29E-06	5.37E+00	5.16E+00	1.23E+00	1.28E+01	7.06E-05	--	--	3.94E-15	3.49E-09	4.40E-17	1.85E-11	1.10E-04	3.56E-08	2.55E-07	7.46E-14
LA	LA-TA-55-18	2.50	6.76E-01	--	--	--	2.85E-06	1.20E+02	1.83E+01	1.95E+00	1.10E+01	5.46E-03	5.07E-09	--	5.34E-14	8.32E-07	6.92E-16	9.85E-11	8.17E-03	3.98E-07	1.27E-06	1.81E-11
LA	LA-TA-55-19	4612.83	9.16E+02	7.74E-03	1.99E-01	7.61E-06	1.06E-02	1.55E+04	4.76E+03	1.37E+03	8.18E+03	3.43E+00	2.95E-06	2.84E-06	2.08E-04	2.47E-04	3.23E-08	8.23E-02	1.65E+00	1.01E-02	2.34E-03	7.85E-03
LA	LA-TA-55-19.01-S	81.42	6.53E+01	4.37E-03	--	9.16E-07	3.97E-03	2.03E+01	2.49E+02	6.15E+01	6.09E+02	1.67E-01	--	--	2.81E-11	3.41E-05	1.62E-15	1.00E-07	1.18E-01	2.28E-04	1.09E-05	3.86E-04
LA	LA-TA-55-19.02-S	228.99	3.74E+02	7.75E-02	--	5.54E-04	2.16E-02	2.04E+02	8.17E+02	2.28E+02	3.18E+03	1.24E+00	--	5.14E-04	1.70E-06	1.71E-03	2.06E-05	4.54E-03	8.06E-01	9.55E-04	2.71E-05	1.53E-03
LA	LA-TA-55-20	55.14	2.86E+01	4.09E-04	--	1.09E-06	1.62E-03	1.81E+03	1.89E+02	4.78E+01	4.89E+02	4.00E-01	1.51E-07	1.11E-06	6.16E-11	1.01E-05	1.45E-14	9.49E-08	1.18E-01	5.13E-04	3.09E-05	8.93E-05
LA	LA-TA-55-21	174.32	9.51E+01	8.23E-05	--	1.78E-07	5.88E-04	2.66E+03	6.84E+02	1.87E+02	9.66E+02	2.00E-01	1.60E-07	1.63E-07	2.41E-11	3.93E-05	2.27E-13	2.99E-08	2.70E-01	6.90E-04	2.42E-04	3.02E-03
LA	LA-TA-55-22	88.96	1.71E+01	6.87E-05	4.43E-01	3.35E-06	1.11E-04	2.75E+03	9.00E+01	2.23E+01	2.07E+02	2.05E-02	1.88E-08	8.67E-07	3.13E-12	9.78E-06	4.75E-15	5.00E-09	1.33E-01	1.53E-05	1.13E-05	6.62E-06
LA	LA-TA-55-23	34.32	2.54E+01	2.04E-05	--	--	1.93E-04	1.80E+02	2.10E+02	5.44E+01	2.85E+02	6.04E-03	--	--	1.10E-11	1.78E-06	2.82E-14	1.19E-08	1.47E-02	2.37E-05	4.30E-05	4.24E-07
LA	LA-TA-55-24	5.20	2.28E+00	6.39E-05	--	--	2.59E-04	8.61E+01	2.18E+01	5.24E+00	4.41E+01	3.88E-04	--	--	1.01E-11	4.01E-07	1.59E-15	1.54E-08	4.96E-03	1.47E-04	3.39E-06	3.16E-05
LA	LA-TA-55-25	15.65	1.39E+01	4.91E-05	--	--	1.11E-04	6.21E+02	1.40E+02	3.05E+01	1.71E+02	1.68E-01	1.58E-07	--	6.18E-12	4.73E-06	1.18E-14	6.92E-09	4.44E-02	3.17E-06	2.08E-05	5.83E-10
LA	LA-TA-55-26	2.29	3.46E+00	--	--	--	1.78E-05	1.14E+02	1.79E+00	6.96E-01	2.36E+01	9.04E-02	8.57E-08	--	3.36E-13	3.53E-07	1.15E-16	6.43E-10	5.13E-03	2.65E-08	3.10E-07	2.05E-10
LA	LA-TA-55-27	0.42	2.01E-03	--	--	--	9.38E-09	6.18E-04	2.54E-02	5.93E-03	2.83E-02	3.43E-07	--	--	2.11E-16	5.16E-12	2.50E-18	3.56E-13	4.63E-08	6.00E-10	4.22E-09	1.24E-15
LA	LA-TA-55-28	1.04	1.45E-01	--	--	--	3.39E-07	6.82E-02	4.78E+00	5.93E-01	5.05E+00	3.42E-05	--	--	2.10E-15	1.57E-10	7.35E-17	6.69E-12	2.65E-06	6.14E-08	2.29E-07	6.71E-14
LA	LA-TA-55-29	8.32	1.94E+00	--	--	--	5.51E-06	2.22E+03	5.05E+00	1.74E+00	5.00E+01	4.75E-02	3.62E-08	--	4.56E-14	5.12E-06	2.15E-16	1.27E-10	8.61E-02	6.48E-08	6.70E-07	9.32E-11
LA	LA-TA-55-30	2262.94	1.77E+03	1.00E-02	--	7.32E-06	1.80E-02	3.35E+04	8.70E+03	2.36E+03	1.54E+04	8.84E+00	7.74E-06	7.27E-06	8.06E-06	4.22E-04	6.96E-07	1.92E-03	3.11E+00	7.36E-03	2.27E-03	7.92E-02
LA	LA-TA-55-30-S	95.32	1.15E+02	6.51E-03	--	8.22E-03	7.88E-03	4.52E+01	2.47E+02	6.96E+01	8.25E+02	5.99E-02	--	8.20E-03	4.45E-06	4.47E-07	3.28E-05	9.49E-03	1.03E-02	2.17E-04	1.03E-05	5.58E-04
LA	LA-TA-55-31	76.03	5.24E+01	8.76E-06	--	--	2.05E-04	4.22E+01	4.78E+02	1.24E+02	1.03E+03	1.05E+00	9.89E-07	--	3.70E-12	1.13E-06	5.80E-14	6.85E-09	7.79E-03	1.86E-04	9.67E-05	1.59E-05
LA	LA-TA-55-32	8.36	6.24E+00	--	--	--	3.81E-05	2.83E+03	2.08E+01	5.97E+00	5.09E+01	1.51E-02	1.31E-08	--	1.25E-12	2.41E-05	1.48E-14	1.77E-09	2.14E-01	7.63E-05	1.46E-05	7.05E-07
LA	LA-TA-55-33	2.50	2.79E-01	--	--	--	1.43E-06	8.55E-02	8.56E-01	4.18E-01	3.44E+00	1.26E-04	--	--	3.83E-14	8.47E-10	2.07E-16	5.93E-11	7.00E-06	2.20E-08	3.22E-07	4.96E-13
LA	LA-TA-55-34	70.51	2.86E+02	--	--	--	1.71E-03	6.01E+01	1.83E+03	4.60E+02	2.42E+03	1.42E-01	9.66E-08	--	2.17E-05	3.45E-06	2.18E-13	9.64E-03	1.82E-02	6.03E-04	3.47E-04	2.80E-02
LA	LA-TA-55-35	1.46	1.08E+02	--	--	--	5.61E-04	1.05E+00	3.03E+01	7.20E+00	5.26E+01	8.65E-03	7.78E-09	--	9.74E-12	3.12E-08	1.99E-15	1.95E-08	2.41E-04	6.45E-06	4.23E-06	5.56E-08
LA	LA-TA-55-36	78.02	7.49E+03	--	--	--	4.41E-02	3.08E+02	1.11E+03	2.69E+02	1.90E+03	5.80E-01	4.76E-07	--	9.72E-10	3.94E-06	6.60E-14	1.73E-06	3.26E-02	6.61E-04	1.46E-04	1.85E-02
LA	LA-TA-55-37	3.33	5.86E+01	--	--	--	2.27E-04	9.61E-01	2.02E+01	5.61E+00	6.60E+01	6.77E-04	--	--	2.20E-12	3.99E-06	5.93E-16	5.88E-09	3.70E-02	1.52E-03	2.00E-06	4.50E-02
LA	LA-TA-55-38	374.82	9.09E+03	3.98E-01	--	--	7.83E-02	2.70E+03	6.56E+03	1.82E+03	1.02E+04	1.83E+00	1.44E-06	--	2.44E-04	7.33E-05	2.30E-03	9.64E-02	4.13E-01	7.15E-03	1.84E-03	2.71E-01
LA	LA-TA-55-39	69.26	2.81E+02	--	--	--	1.31E-03	1.01E+02	3.39E+03	7.97E+02	3.96E+03	2.72E-01	2.07E-07	--	2.95E-11	8.72E-07	3.37E-13	4.97E-08	7.71E-03	8.42E-05	5.68E-04	3.81E-08
LA	LA-TA-55-40	1.25	1.13E+02	--	--	--	6.26E-04	8.00E-01	2.27E+01	5.52E+00	3.89E+01	4.96E-03	4.35E-09	--	1.23E-11	3.23E-09	1.17E-15	2.31E-08	4.13E-05	3.81E-07	2.78E-06	1.27E-11
LA	LA-TA-55-41	18.95	1.48E+03	--	--	--	8.19E-03	1.97E+01	3.65E+02	8.87E+01	6.75E+02	3.71E-01	3.46E-07	--	1.61E-10	7.93E-08	1.88E-14	3.02E-07	1.02E-03	6.13E-06	4.47E-05	9.51E-10
LA	LA-TA-55-42	0.62	1.33E-01	--	--	--	3.49E-07	2.25E+02	1.45E-01	7.39E-02	3.38E+00	5.99E-05	--	--	2.28E-15	3.69E-07	6.55E-18	7.20E-12	7.35E-03	1.58E-09	2.41E-08	9.94E-14
LA	LA-TA-55-43	13.82	1.67E+00	1.96E-06	--	--	1.72E-05	5.78E+02	9.40E+00	2.69E+00	1.96E+01	6.05E-04	--	--	1.31E-12	7.08E-06	1.50E-06	1.28E-09	5.34E-02	3.08E-07	2.00E-06	2.28E-12
LA	LA-TA-55-43.01-S	190.89	5.15E-01	1.44E-05	--	--	3.87E-05	5.35E+02	4.66E-01	7.64E-01	5.46E+00	5.33E-04	--	--	4.89E-13	2.86E-06	4.58E-06	1.31E-09	4.60E-02	3.68E-09	1.81E-07	6.44E-13
LA	LA-TA-55-44	0.42	1.04E-02	--	--	--	7.04E-09	1.54E-02	3.15E-01	8.79E-02	1.48E+00	1.26E-05	--	--	3.86E-18	3.21E-12	1.03E-18	4.06E-14	1.77E-07	1.24E-09	1.04E-08	7.58E-15
LA	LA-TA-55-46	0.21	7.20E-05	--	--	--	3.66E-10	7.24E-02	5.08E-05	2.59E-05	7.26E-04	2.09E-08	--	--	8.25E-18	4.11E-10	7.60E-21	1.41E-14	4.45E-06	1.00E-12	1.54E-11	6.29E-17
LA	LA-TA-55-47	2.10	1.57E-03	--	--	--	3.67E-09	1.29E-01	2.80E-02	6.57E-03	5.46E-02	4.12E-07	--	--	2.28E-17	2.99E-10	8.14E-19	7.23E-14	5.02E-06	3.59E-10	2.54E-09	8.09E-16
LA	LA-TA-55-50	2.93	3.08E-02	--	--	--	7.74E-08	2.44E+00	1.66E-01	4.40E-02	5.29E-01	5.05E-06	--	--	3.85E-16	2.64E-09	2.61E-18	1.41E-12	6.45E-05	1.47E-09	1.18E-08	6.86E-15
LA	LA-TA-55-53	11.86	4.06E+01	--	--	--	7.05E-05	9.71E+00	3.05E+02	7.53E+01	8.67E+02	5.47E-03	--	--	1.59E-13	4.60E-09	1.99E-15	8.66E-10	1.69E-04	1.80E-06	1.34E-05	4.96E-12
LA	LA-TA-55-54	1.04	1.61E+00	--	--	--	9.85E-06	6.17E+00	8.04E+00	2.26E+00	1.36E+01	3.24E-04	--	--	3.29E-13	5.61E-08	1.04E-15	4.62E-10	4.83E-04	1.98E-07	1.68E-06	1.22E-12
LA	LA-TA-55-56	9.36	3.02E+01	1.21E-04	--	3.86E-07	6.99E-04	2.16E+01	1.62E+02	4.01E+01	1.93E+02	2.83E-03	--	3.88E-07	6.08E-11	3.44E-07	1.56E-14	5.96E-08	2.41E-03	5.03E-05	2.74E-05	3.17E-07
LA	LA-TA-55-60	128.52	6.44E+00	--	--	--	3.73E-03	9.91E+00	1.27E+01	4.40E+00	6.26E+01	4.04E-01	3.82E-07	--	5.53E-10	1.06E-07	2.35E-15	4.36E-07	8.46E-04	3.39E-07	3.53E-06	3.55E-07
LA	LA-TA-55-61	198.45	5.88E+00	--	--	--	3.07E-05	5.29E+01	2.55E+01	8.73E+00	6.98E+01	1.78E-02	1.50E-08	--	8.40E-13	4.82E-07	4.00E-15	1.29E-09	4.15E-03	6.30E-07	6.48E-06	6.71E-11
LA	LA-TA-55-62	43.47	3.51E-01	--	--	--	1.80E-06	1.16E-01	9.82E-01	4.72E-01	4.32E+00	1.56E-04	--	--	4.81E-14	1.15E-09	2.34E-16	7.45E-11	9.52E-06	2.52E-08	3.64E-07	6.14E-13
LA	LA-TA-55-63	3.78	1.67E-02	--	--	--	6.32E-08	5.85E-03	2.33E-01	5.44E-02	3.15E-01	3.15E-06	--	--	9.68E-16	3.32E-11	1.60E-17	1.97E-12	3.60E-07	4.59E-09	3.23E-08	9.50E-15
LB	LB-T001	1.82	7.22E-02	8.18E-04	--	--	2.91E-04	1.92E-04	3.45E-03	8.54E-04	3.43E-04	7.46E-05	3.28E-13	--	2.47E-06	2.74E-12	9.09E-09	5.27E-03	1.22E-07	3.46E-08	1.27E-10	8.55E-03
LL	BLCHDN.001-S	1.66	1.10E-01	2.24E-03	2.03E-01	--	8.94E-04	8.79E-02	3.64E-07	4.47E-05	2.44E-05	--	--	--	7.32E-13	4.54E-12	4.45E-23	7.80E-09	5.03E-07	3.61E-16	1.34E-12	--
LL	LL-M001	346.58	9.29E+02	2.97E-01	1.02E+03	6.76E-01	1.68E-02	5.89E+02	5.13E+02	1.91E+02	2.39E+03	1.03E-01	--	9.84E-06	1.25E-03	2.92E-04	5.06E-06	3.81E-01	9.98E-03	7.24E-04	--	2.16E-03
LL	LL-M001-S5400-S	143.14	2.90E+02	1.36E-02	3.16E+01	2.10E-05	7.30E-02	3.59E+02	5.99E+02	1.68E+02	2.16E+03	3.17E-02	--	2.07E-05	5.96E-11	3.55E-07	4.92E-16	6.36E-07	2.08E-02	4.97E-04	9.97E-06	3.54E-03
LL	LL-T004	1.25	1.90E+01	--	1.81E-03	--	7.18E-05	1.55E+00	3.94E+00	1.92E+00	2.60E+01	1.20E-03	--	--	--	--	--	--	--	--	--	--
LL	LL-W018a	590.42	1.03E+04	1.36E-03	1.19E-01	2.09E+00	9.15E-04	1.71E+03	7.91E+01	4.20E-01	6.20E+01	1.98E-05	--	6.55E+00	--	--	--	6.49E-01	1.70E-02	5.59E-05	--	3.68E-03
LL	LL-W018b	34.76	1.93E+00	--	1.43E-03	--	8.20E-08	1.32E-01	1.41E+00	4.21E-01	1.24E+01	8.97E-05	--	--	--	--	--	--	--	1.35E-09	--	--
LL	LL-W019	15.81	3.15E+01	2.24E-06	1.71E-02	2.88E-05	1.37E-03	2.17E+01	6.50E+01	1.85E+01	2.81E+02	3.75E-03	--	2.88E-05	--	--	--	1.05E+00	1.57E-04	5.93E-04	--	1.18E-03
MC	MC-W001	0.21	--	--	--	--	3.95E-05	--	5.05E-03	--	--	--	--	--	5.86E-12	--	--	4.63E-09	--	1.35E-10	--	--
NT	NT-JAS-01	2830.77	4.11E+02	--	--	--	3.86E-04	1.94E+02	2.81E+02	2.27E+02	6.00E+03	--	--	--	2.32E-13	2.26E-08	1.50E-15	2.49E-09	1.67E-03	8.31E-07	2.02E-05	--
NT	NTLBL-S5400-S	1.66	1.05E+00	5.80E-03	9.33E-01	5.30E-05	6.76E-04	1.47E-01	6.73E-01	1.52E-01	3.53E+00	2.12E-05	--	5.29E-05	1.38E-13	1.89E-12	1.11E-19	2.95E-09	4.20E-07	6.63E-10	4.51E-09	3.19E-15
NT	NTLRC-S5400-S	3.12	4.75E+00	3.52E-05	--	1.15E-06	2.44E-04	5.79E-01	7.19E+00	2.64E+00	3.50E+01	2.93E-04	--	1.15E-06	4.97E-14	3.99E-08	1.93E-18	1.06E-09	4.44E-03	1.48E-04	7.83E-08	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	3.78E+00	9.18E-07	--	--	3.96E-05	9.57E-01	2.43E+01	5.51E+00	4.51E+01	4.31E-04	--	--	5.57E-07	8.12E-09	4.04E-18	5.94E-03	9.05E-04	1.79E-05	1.63E-07	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	3.26E+00	--	--	--	3.13E-05	1.21E+00	3.88E+01	7.21E+00	6.78E+01	5.25E-04	--	--	6.26E-15	5.26E-10	5.28E-18	1.34E-10	6.02E-05	3.83E-08	2.14E-07	2.84E-05
NT	NT-RF-METAL-S	6.03	6.78E-01	2.72E-06	--	--	1.12E-05	2.15E-01	6.74E+00	1.67E+00	1.60E+01	1.35E-04	--	--	2.27E-15	4.01E-07	1.22E-18	4.85E-11	4.46E-02	2.74E-05	4.95E-08	2.23E-02
NT	NTS54332R0-S	307.24	1.20E+02	1.30E-02	3.06E+00	2.43E-04	1.42E-02	2.52E+01	3.69E+02	9.66E+01	1.11E+03	1.04E-02	--	2.48E-04	4.08E-05	5.00E-07	2.83E-16	2.17E-01	2.79E-02	1.00E+00	5.73E-06	1.01E-02
NT	NTS54COMR0-S	50.35	3.41E+01	2.10E-02	2.57E+01	8.46E-05	4.86E-03	2.16E+01	5.12E+01	1.22E+01	1.26E+02	1.84E-03	--	8.45E-05	4.90E-05	3.76E-08	3.57E-17	2.61E-01	2.15E-03	1.32E-05	7.24E-07	8.79E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
NT	NTS54MIX1R0-S	0.42	3.39E-03	9.56E-05	--	7.53E-05	7.91E-07	4.06E-04	2.89E-02	6.96E-03	2.37E-02	6.83E-07	--	--	2.51E-15	8.46E-14	8.16E-20	1.34E-11	4.68E-09	1.14E-10	8.26E-10	4.12E-16
NT	NT-W001	291.38	1.42E+02	5.80E-01	9.19E-01	1.20E-02	3.21E-03	5.99E+01	1.32E+03	8.85E+00	6.24E+01	4.14E-02	4.75E-07	4.05E-05	1.60E-03	7.67E-07	2.60E-15	8.55E-01	6.06E-03	7.57E-05	5.25E-06	7.31E-05
NT	NT-W021	9.58	6.19E+00	--	--	--	2.34E-05	1.57E+00	5.44E+01	1.25E+01	1.17E+02	1.10E-03	--	--	3.59E-13	5.42E-06	3.66E-15	7.31E-10	3.02E-02	5.77E-04	7.40E-06	2.97E-02
OR	OR-W201	2083.28	1.07E+04	1.16E+00	6.83E+02	1.32E+01	3.74E-01	7.12E+03	2.99E+03	4.07E+03	1.61E+05	2.04E+00	7.54E-08	7.01E+01	2.60E-01	1.10E-02	1.08E-03	1.32E+02	5.81E+01	1.02E-02	7.24E-01	1.75E-01
OR	OR-W202	720.66	4.88E+02	5.33E+00	1.97E+03	6.03E-01	9.09E-01	2.12E+03	2.12E+02	1.96E+02	7.18E+02	2.09E-01	1.23E-05	1.49E+00	1.88E-01	5.44E-03	1.37E-03	9.56E+01	1.76E-01	4.43E-03	2.06E-04	2.74E-02
OR	OR-W203	386.56	3.49E+00	2.49E-01	4.29E+02	1.30E+01	--	2.62E+00	4.79E-02	2.26E+00	3.13E+01	3.27E-02	--	9.62E+01	--	--	--	--	--	--	--	--
OR	OR-W204	18.10	1.46E-01	3.16E-04	1.28E+00	2.00E-01	1.00E-06	2.07E-01	1.56E-01	9.83E-02	4.01E-02	6.73E-07	--	2.49E-02	2.07E-04	2.84E-08	3.75E-17	1.05E-01	1.57E-04	1.97E-05	6.64E-08	1.50E-04
OR	OR-W205	101.71	1.30E+02	--	--	--	8.05E-04	2.20E+01	2.87E+02	1.27E+02	5.77E+02	9.77E-03	--	--	1.59E-05	1.10E-03	7.35E-06	8.09E-03	5.81E+00	4.70E-04	7.92E-05	6.02E-03
RF	RF001.01-S	979.16	1.48E+03	1.18E-03	--	--	5.45E-02	1.46E+02	3.37E+03	7.82E+02	1.15E+04	1.18E-01	--	--	4.24E-05	1.08E-05	2.06E-14	7.54E-02	2.02E-01	9.58E-03	1.39E-04	2.21E-03
RF	RF002.01-S	1461.40	1.24E+03	1.06E-03	--	3.19E-04	1.16E-02	2.17E+02	4.41E+03	1.04E+03	1.87E+04	1.23E-01	--	--	1.03E-05	5.85E-06	1.90E-14	2.19E-02	1.32E-01	7.02E-03	1.54E-04	2.83E-01
RF	RF003.01-S	355.39	2.21E+03	--	--	--	8.53E-03	5.24E+02	1.27E+04	3.07E+03	3.63E+04	2.93E-01	--	--	5.67E-06	1.06E-06	8.09E-14	1.01E-02	2.42E-02	5.72E-04	5.46E-04	1.30E-03
RF	RF004.01-S	282.97	2.04E+02	8.84E-07	--	--	1.45E-03	3.27E+01	6.87E+02	1.59E+02	3.14E+03	1.92E-02	--	--	4.07E-12	7.44E-07	1.86E-15	2.24E-08	2.09E-02	6.63E-04	1.89E-05	7.54E-04
RF	RF005.01-S	119.39	5.29E+03	--	--	--	1.63E-02	2.06E+02	4.79E+03	1.23E+03	8.08E+03	1.01E-01	--	--	9.26E-11	1.76E-07	5.77E-14	3.25E-07	4.83E-03	1.19E-04	2.92E-04	1.22E-10
RF	RF005.02-S	78.42	6.45E+03	--	--	--	1.70E-02	1.22E+02	2.90E+03	7.63E+02	4.46E+03	6.46E-02	--	--	7.11E-11	1.17E-07	2.74E-14	2.90E-07	3.09E-03	3.94E-05	1.58E-04	1.71E-07
RF	RF006.01-S	235.66	1.71E+03	--	--	--	1.01E-02	4.59E+02	9.22E+03	2.23E+03	3.02E+04	2.97E-01	--	--	2.33E-10	1.85E-06	3.20E-13	4.15E-07	2.42E-02	3.18E-04	9.25E-04	1.39E-06
RF	RF008.01-S	97.15	9.48E+02	--	--	--	1.52E-02	1.97E+02	3.39E+03	9.31E+02	1.07E+04	1.36E-01	--	--	1.37E-10	1.45E-07	3.34E-14	4.27E-07	4.29E-03	5.09E-05	1.93E-04	7.54E-08
RF	RF009.01-S	1326.87	6.70E+04	--	--	--	4.81E-01	1.96E+03	5.50E+04	1.37E+04	9.53E+04	1.37E+00	--	--	2.85E-09	1.44E-06	3.60E-13	1.07E-05	4.37E-02	6.32E-04	2.43E-03	2.71E-06
RF	RF010.01-S	629.55	1.41E+03	4.10E-05	--	--	7.64E-03	2.52E+02	6.26E+03	1.46E+03	1.87E+04	1.59E-01	--	--	3.09E-11	5.65E-06	2.68E-14	1.39E-07	1.27E-01	4.02E-03	2.17E-04	3.58E-03
RF	RF011.01-S	79.52	2.18E+02	--	--	--	5.48E-04	6.29E+01	1.49E+03	3.58E+02	3.94E+03	3.06E-02	--	--	1.17E-12	3.85E-08	4.19E-15	6.99E-09	1.43E-03	2.87E-05	4.24E-05	4.21E-06
RF	RF015.01-S	1.66	3.39E+00	--	--	--	8.37E-05	9.51E-01	1.88E+01	4.38E+00	9.73E+01	5.82E-04	--	--	2.58E-13	1.98E-10	5.14E-17	1.39E-09	1.10E-05	7.40E-08	5.20E-07	3.51E-13
RF	RF029.01-S	4346.98	2.05E+03	1.45E-03	--	2.67E-05	2.42E-02	3.70E+02	6.85E+03	1.65E+03	3.86E+04	2.21E-01	1.04E-17	1.82E-07	4.22E-11	2.24E-06	1.09E-14	3.04E-07	8.45E-02	2.65E-03	1.47E-04	1.26E-03
RF	RF031.01-S	20.59	8.74E+00	--	--	--	5.01E-05	2.34E+00	4.81E+01	1.12E+01	2.41E+02	1.32E-03	--	--	3.80E-14	1.62E-08	3.27E-17	4.13E-10	9.07E-04	2.93E-05	6.62E-07	4.10E-05
RF	RF032.01-S	209.25	2.28E+03	--	--	--	2.47E-02	3.13E+02	8.62E+03	2.02E+03	1.90E+04	1.52E-01	--	--	1.11E-10	1.82E-07	3.70E-14	4.87E-07	6.30E-03	9.95E-05	3.00E-04	5.04E-07
RF	RF033.01-S	25.58	1.11E+02	--	--	--	7.66E-04	3.48E+01	7.99E+02	1.86E+02	2.93E+03	1.84E-02	--	--	2.16E-12	1.85E-08	2.18E-15	1.19E-08	7.13E-04	1.38E-05	2.21E-05	6.00E-05
RF	RF036.01-S	44.10	4.23E+01	8.14E-05	--	--	3.50E-04	1.36E+01	2.65E+02	6.18E+01	1.51E+03	8.18E-03	--	--	2.72E-13	4.49E-08	1.81E-16	2.94E-09	2.54E-03	1.11E-04	3.66E-06	2.98E-03
RF	RF101.01-S	174.96	3.36E+02	1.06E-03	--	--	2.24E-03	8.11E+01	1.69E+03	3.95E+02	7.12E+03	4.61E-02	--	--	6.26E-12	1.51E-06	4.63E-15	3.45E-08	4.25E-02	1.36E-03	4.69E-05	8.53E-04
RF	RF101.29-S	30.39	3.03E+01	--	--	--	1.86E-04	7.73E+00	1.57E+02	3.64E+01	6.16E+02	4.24E-03	--	--	7.75E-13	2.50E-07	6.66E-16	3.46E-09	5.62E-03	1.80E-04	5.40E-06	2.04E-04
RF	RF101.30-S	117.41	3.60E+02	3.14E-04	--	--	2.56E-03	3.89E+01	8.79E+02	2.07E+02	3.10E+03	2.54E-02	--	--	1.09E-11	7.52E-07	3.78E-15	4.85E-08	1.70E-02	5.34E-04	3.06E-05	1.85E-04
RF	RF101.31-S	62.53	6.85E+01	1.36E-05	--	--	3.34E-04	1.06E+01	2.34E+02	5.55E+01	7.88E+02	8.25E-03	--	--	1.80E-12	3.09E-07	1.46E-15	6.94E-09	5.81E-03	1.84E-04	9.88E-06	8.29E-05
RF	RF101.35-S	79.56	2.36E+02	--	--	--	2.02E-03	2.98E+01	6.38E+02	1.49E+02	2.60E+03	2.08E-02	--	--	8.85E-12	3.81E-06	2.73E-15	3.91E-08	8.49E-02	2.72E-03	2.21E-05	2.19E-04
RF	RF102.01-S	223.63	1.46E+02	1.99E-04	--	1.01E-02	1.45E-03	2.97E+01	5.73E+02	1.37E+02	2.96E+03	1.77E-02	--	--	4.23E-12	1.54E-07	1.60E-15	2.30E-08	4.45E-03	1.38E-04	1.62E-05	3.99E-04
RF	RF102.31-S	124.09	1.39E+02	1.93E-05	--	--	1.05E-03	1.38E+01	2.75E+02	6.50E+01	1.31E+03	8.46E-03	--	--	2.97E-12	2.88E-07	7.62E-16	1.63E-08	8.08E-03	2.76E-04	7.71E-06	2.14E-03
RF	RF104.01-S	54.38	1.19E+02	2.28E-04	--	--	9.77E-04	1.62E+01	4.09E+02	9.64E+01	1.34E+03	9.38E-03	--	--	1.66E-12	2.46E-08	6.36E-16	1.20E-08	9.81E-04	2.96E-05	8.58E-06	1.40E-04
RF	RF107.01-S	63.44	2.62E+03	--	--	--	1.58E-02	9.53E+00	1.91E+02	4.42E+01	1.07E+03	5.79E-03	--	--	1.20E-11	3.10E-07	1.30E-16	1.30E-07	1.72E-02	1.11E-03	2.62E-06	5.98E-02
RF	RF107.03-S	60.94	1.42E+01	--	--	--	1.18E-04	1.17E+00	2.32E+01	5.39E+00	1.30E+02	7.07E-04	--	--	9.19E-14	1.39E-06	1.58E-17	9.93E-10	7.73E-02	9.13E-03	3.19E-07	6.86E-01
RF	RF107.04-S	110.31	5.79E+01	--	--	--	4.83E-04	4.16E+00	8.33E+01	1.93E+01	4.65E+02	2.53E-03	--	--	3.75E-13	3.81E-08	5.66E-17	4.05E-09	2.13E-03	2.11E-04	1.15E-06	1.54E-02
RF	RF107.05-S	4.37	4.52E+00	--	--	--	2.54E-05	1.02E+00	2.04E+01	4.74E+00	1.14E+02	6.22E-04	--	--	1.92E-14	1.77E-07	1.39E-17	2.09E-10	9.86E-03	3.18E-04	2.81E-07	2.81E-06
RF	RF107.06-S	14.35	3.90E-01	--	--	--	7.46E-07	1.53E-01	3.05E+00	7.09E-01	1.71E+01	9.27E-05	--	--	4.79E-16	4.15E-08	2.08E-18	5.45E-12	2.31E-03	2.63E-04	4.20E-08	2.01E-02
RF	RF107.07-S	58.88	2.78E+02	1.70E-03	--	--	2.36E-03	3.70E+01	7.24E+02	1.69E+02	4.11E+03	2.23E-02	--	--	1.83E-12	2.46E-06	4.95E-16	1.98E-08	1.37E-01	4.42E-03	1.00E-05	2.20E-03
RF	RF110.01-S	9.15	6.46E+01	1.72E-03	--	--	2.21E-04	6.24E+00	1.25E+02	2.93E+01	5.28E+02	6.55E-03	--	--	5.31E-13	3.27E-08	3.43E-16	3.06E-09	9.46E-04	3.04E-05	3.47E-06	1.94E-04
RF	RF110.05-S	31.53	7.81E+01	--	--	--	1.94E-04	2.05E+01	4.62E+02	1.07E+02	1.21E+03	1.03E-02	--	--	5.66E-13	2.29E-07	1.95E-15	2.83E-09	5.24E-03	1.61E-04	1.58E-05	1.67E-05
RF	RF113.01-S	0.42	5.61E-02	--	--	--	9.81E-07	1.83E-02	3.71E-01	8.60E-02	1.89E+00	1.13E-05	--	--	2.98E-15	3.82E-12	1.01E-18	1.61E-11	2.11E-07	1.46E-09	1.02E-08	6.81E-15
RF	RF115.01-S	114.91	4.70E+02	--	--	--	1.60E-03	1.05E+02	2.53E+03	5.89E+02	5.24E+03	4.94E-02	--	--	3.85E-12	5.09E-08	6.91E-15	2.22E-08	2.02E-03	4.15E-05	6.99E-05	6.25E-04
RF	RF116.01-S	3.95	2.14E+01	--	--	--	1.36E-04	2.57E+00	9.80E+01	2.27E+01	1.31E+02	1.52E-03	--	--	3.75E-13	5.35E-10	2.66E-16	2.07E-09	2.96E-05	3.87E-07	2.70E-06	9.15E-13
RF	RF117.01-S	1.87	4.67E+00	--	--	--	3.95E-05	1.23E+00	2.44E+01	5.70E+00	1.28E+02	7.30E-04	--	--	6.75E-14	3.95E-08	3.75E-17	4.89E-10	1.47E-03	4.70E-05	5.07E-07	4.15E-07
RF	RF118.01-S	1432.29	1.29E+04	1.25E-03	--	--	7.74E-02	4.18E+03	6.67E+04	1.80E+04	2.06E+05	2.18E+00	--	--	4.46E-10	1.69E-05	4.74E-13	1.68E-06	3.49E-01	9.28E-03	3.20E-03	2.00E-04
RF	RF119.01-S	24.13	3.42E+01	--	--	--	2.68E-04	7.46E+00	1.47E+02	3.46E+01	7.94E+02	4.46E-03	--	--	2.07E-13	8.85E-09	1.01E-16	2.24E-09	5.13E-04	1.74E-05	2.05E-06	2.13E-04
RF	RF121.01-S	45.97	2.33E+02	--	--	--	2.60E-04	6.44E+01	1.97E+03	4.72E+02	3.28E+03	3.05E-02	--	--	2.08E-13	2.46E-08	3.11E-15	1.96E-09	1.19E-03	2.63E-05	4.20E-05	1.81E-07
RF	RF122.01-S	35.57	2.38E+02	--	--	--	5.65E-02	6.29E+01	1.37E+03	3.30E+02	2.88E+03	3.48E-02	--	--	1.79E-10	1.31E-08	3.87E-15	9.57E-07	7.26E-04	5.41E-06	3.92E-05	2.10E-11
RF	RF122.03-S	4.37	3.32E+01	--	--	--	3.96E-04	7.07E-01	1.42E+01	3.29E+00	7.91E+01	4.30E-04	--	--	3.12E-13	1.62E-07	9.65E-18	3.36E-09	9.03E-03	6.06E-04	1.95E-07	3.39E-02
RF	RF122.04-S	54.08	3.09E+02	--	--	--	3.62E-03	8.08E+00	1.61E+02	3.74E+01	9.02E+02	4.90E-03	--	--	2.85E-12	5.95E-07	1.10E-16	3.07E-08	3.31E-02	3.50E-03	2.22E-06	2.34E-01
RF	RF122.05-S	16.22	2.89E+00	--	--	--	1.26E-05	2.76E-01	5.46E+00	1.27E+00	3.08E+01	1.67E-04	--	--	9.26E-15	3.61E-07	3.72E-18	1.01E-10	2.01E-02	1.05E-03	7.54E-08	3.90E-02
RF	RF122.06-S	7.28	5.61E+01	--	--	--	3.92E-04	1.00E+01	2.53E+02	5.96E+01	5.20E+02	6.37E-03	--	--	1.10E-12	1.36E-08	6.99E-16	6.06E-09	4.36E-04	1.39E-05	7.08E-06	2.81E-04
RF	RF123.01-S	9.38	6.23E+01	--	--	--	1.45E-04	1.02E+01	3.03E+02	7.05E+01	6.48E+02	4.97E-03	--	--	2.93E-13	1.45E-08	8.26E-16	1.78E-09	4.61E-04	1.44E-05	8.36E-06	9.90E-08
RF	RF123.02-S	0.83	1.39E-02	--	--	--	8.54E-09	4.23E-03	8.31E-02	1.93E-02	4.70E-01	2.55E-06	--	--	2.26E-18	4.20E-09	5.67E-20	3.65E-14	2.34E-04	2.70E-05	1.15E-09	2.10E-03
RF	RF123.03-S	12.06	2.98E+02	--	--	--	2.51E-03	1.04E+01	2.06E+02	4.79E+01	1.11E+03	6.31E-03	--	--	4.27E-12	5.64E-09	3.16E-16	3.10E-08	2.53E-04	1.96E-05	4.26E-06	1.47E-03
RF	RF123.04-S	44.51	1.32E+02	--	--	--	9.53E-04	4.09E+01	8.07E+02	1.88E+02	4.36E+03	2.49E-02	--	--	1.61E-12	2.62E-08	1.24E-15	1.17E-08	1.15E-03	3.05E-05	1.67E-05	2.61E-04
RF	RF124.01-S	94.24	4.71E+01	4.50E-06	--	--	1.45E-03	1.13E+01	2.47E+02	5.69E+01	1.07E+03	6.58E-03	--	--	7.02E-12	3.18E-07	1.04E-15	3.02E-08	7.16E-03	1.25E-04	8.43E-06	1.42E-04
RF	RF124.02-S	13.31	1.21E+01	--	--	--	1.40E-04	3.21E+00	6.67E+01	1.53E+01	2.97E+02	1.84E-03	--	--	6.42E-13	1.49E-08	2.80E-16	2.80E-09	3.54E-04	1.02E-05	2.26E-06	8.78E-08
RF	RF125.01-S	14.39	2.20E+02	--	--	--	4.51E-03	1.56E+01	3.86E+02	8.94E+01	1.12E+03	7.66E-03	--	--	8.03E-12	2.37E-07	5.90E-16	5.75E-08	8.86E-03	2.87E-04	7.96E-06	6.28E-04
RF	RF126.01-S	1.04	4.33E+00	--	--	--	4.00E-06	1.52E+00	3.88E+01	8.69E+00	8.89E+01	5.44E-04	--	--	2.39E-15	1.26E-09	5.72E-17	2.57E-11	5.31E-05	1.40E-06	7.73E-07	1.14E-08
RF	RF126.04-S	2.08	1.10E+01	--	--	--	1.04E-05	2.51E+00	7.08E+01	1.63E+01	1.51E+02	1.27E-03	--	--	6.25E-15	3.79E-09	1.08E-16	6.70E-11	1.51E-04	3.60E-06	1.45E-06	3.15E-08
RF	RF128.01-S	198.22	9.42E+02	--	--	--	3.63E-03	3.78E+02	8.50E+03	2.06E+03	1.87E+04	1.51E-01	--	--	1.34E-11	1.28E-07	3.78E-14	6.20E-08	5.57E-03	4.52E-05	3.06E-04	2.91E-08
RF	RF129.01-S	467.76	2.53E+02	1.03E-04	--	1.07E-04	2.11E-03	4.56E+01	8.68E+02	2.08E+02	4.68E+03	2.72E-02	4.30E-21	--	3.60E-12	1.05E-06	1.37E-15	2.61E-08	3.92E-02	1.37E-03	1.85E-05	6.21E-04
RF	RF129.05-S	448.33	3.33E+02	3.43E-04	--	--	1.00E-02	4.11E+01	7.51E+02	1.81E+02	4.34E+03	2.47E-02	--	--	1.80E-11	1.60E-07	1.20E-15	1.29E-07	6.09E-03	1.88E-04	1.61E-05	6.31E-05
RF	RF130.01-S	38.59	2.76E+02	--	1.39E-07	6.88E-04	8.10E-03	2.51E+01	4.95E+02	1.15E+02	2.68E+03	1.53E-02	1.70E-16	3.34E-02	1.46E-11	4.95E-06	4.56E-09	1.04E-07	4.05E-02	1.58E-03	1.03E-05	2.29E-03

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF134.02-S	11.34	2.05E-01	--	--	--	1.87E-07	4.62E-02	9.26E-01	2.15E-01	4.95E+00	2.82E-05	--	--	1.11E-16	5.39E-12	1.42E-18	1.20E-12	3.98E-07	2.74E-09	1.91E-08	1.28E-14
RF	RF135.01-S	2.29	4.99E+00	--	--	--	5.00E-05	1.63E-01	3.31E+00	7.68E-01	1.76E+01	1.00E-04	--	--	8.61E-14	8.70E-09	5.06E-18	6.23E-10	3.23E-04	3.72E-05	6.83E-08	2.89E-03
RF	RF135.02-S	10.40	1.32E+00	--	--	--	1.27E-05	3.09E-01	6.17E+00	1.43E+00	3.45E+01	1.88E-04	--	--	9.96E-15	7.40E-08	4.20E-18	1.07E-10	4.12E-03	1.33E-04	8.50E-08	1.17E-06
RF	RF137.01-S	0.42	2.57E-01	--	--	--	3.46E-06	3.32E-02	6.82E-01	1.58E-01	3.59E+00	2.05E-05	--	--	6.06E-15	3.87E-12	1.04E-18	4.36E-11	2.86E-07	2.02E-09	1.40E-08	9.26E-15
RF	RF139.01-S	11.65	3.65E+02	--	--	--	3.22E-03	1.66E+00	3.35E+01	7.75E+00	1.86E+02	1.01E-03	--	--	2.50E-12	4.40E-08	2.27E-17	2.70E-08	2.45E-03	1.99E-04	4.60E-07	1.30E-02
RF	RF140.01-S	172.16	4.77E+01	1.36E-05	--	--	4.04E-04	1.36E+01	2.48E+02	6.01E+01	1.43E+03	8.12E-03	--	--	6.89E-13	4.90E-09	3.96E-16	4.99E-09	2.40E-04	4.69E-06	5.34E-06	3.50E-08
RF	RF141.01-S	45.55	1.66E+02	--	--	--	1.51E-04	7.19E+01	1.82E+03	4.26E+02	4.50E+03	2.81E-02	--	--	8.91E-14	7.19E-06	2.81E-15	9.62E-10	2.67E-01	8.57E-03	3.79E-05	7.58E-05
RF	RF141.02-S	175.97	1.60E+03	--	--	--	2.44E-01	2.81E+02	7.43E+03	1.77E+03	1.64E+04	1.52E-01	--	--	4.48E-10	7.91E-06	1.17E-14	3.18E-06	2.94E-01	9.43E-03	1.58E-04	8.32E-05
RL	RL105-01	157.99	--	--	--	4.84E+01	--	8.24E-01	2.92E+01	6.59E+00	1.33E+02	3.95E-04	--	4.51E+01	--	--	5.97E-04	--	7.87E+00	8.11E-01	--	8.72E-03
RL	RL105-03	69.06	2.32E+01	--	--	1.03E+02	5.15E-03	2.98E+00	1.44E+01	7.94E+00	3.96E+02	3.82E-03	--	1.88E+01	--	--	--	--	2.70E-02	9.60E-04	--	2.04E-02
RL	RL200-01	126.63	2.26E+00	--	--	3.45E-02	--	7.02E+00	1.88E+01	4.20E+00	9.83E+01	2.50E-04	--	3.16E-02	--	--	--	--	1.02E-05	4.57E-07	--	9.97E-06
RL	RL201-01	14.14	8.40E-04	--	--	--	3.02E-09	1.62E-04	6.62E-03	1.48E-03	1.29E-02	8.93E-08	--	--	3.39E-17	4.36E-13	2.13E-19	8.23E-14	6.80E-09	9.14E-11	6.15E-10	1.89E-16
RL	RL202S-01	1.46	5.41E-02	--	--	5.40E-01	1.22E-07	4.17E-03	8.79E-02	2.11E-02	1.28E-01	9.74E-07	--	4.92E-01	3.98E-16	2.71E-12	7.56E-19	1.82E-12	8.52E-08	6.07E-10	4.37E-09	1.03E-15
RL	RL209E-01	52.79	2.17E+01	--	--	9.07E-02	7.30E-05	6.16E+00	2.52E+02	5.64E+01	4.80E+02	3.41E-03	--	8.35E-02	8.95E-13	2.80E-08	1.34E-14	2.03E-09	3.38E-04	4.48E-06	3.01E-05	9.25E-12
RL	RL216Z-02	194.85	1.11E+02	--	--	5.42E-01	6.79E-05	5.73E+01	7.48E+02	1.66E+02	3.74E+03	9.61E-03	--	4.96E-01	1.80E-14	2.95E-09	4.87E-16	2.90E-10	3.28E-04	1.47E-06	9.86E-06	2.90E-12
RL	RL221T-01	17.60	6.46E-03	--	--	7.24E-04	4.23E-08	1.22E-03	5.61E-02	1.26E-02	5.45E-02	7.60E-07	--	6.60E-04	1.77E-15	5.20E-11	9.45E-18	2.20E-12	2.41E-07	6.91E-09	1.19E-08	1.12E-07
RL	RL222S-01	88.61	1.70E-01	--	--	4.44E-02	--	2.12E-01	7.09E+00	1.61E+00	3.15E+01	1.00E-04	--	4.13E-02	--	--	--	1.03E+00	4.91E-05	5.04E-06	--	5.43E-08
RL	RL231Z-01	1272.78	3.18E+02	--	--	1.81E-01	1.12E-03	9.62E+01	1.52E+03	3.41E+02	4.30E+03	2.05E-02	--	1.64E-01	1.13E-11	6.00E-05	5.52E-05	2.91E-08	5.15E-01	1.47E-03	1.32E-04	5.64E-02
RL	RL231Z-03	13.23	1.30E+01	--	--	--	8.77E-05	3.82E+00	5.04E-02	4.31E-02	9.13E+01	3.89E-07	--	--	3.49E-12	4.10E-08	2.31E-17	4.50E-09	3.26E-04	1.34E-09	3.46E-08	1.58E-15
RL	RL233S-01	91.21	4.10E+00	--	--	7.47E-03	2.31E-06	3.63E+00	7.09E+01	1.73E+01	3.26E+02	6.03E-03	--	6.95E-03	5.82E-16	1.87E-10	5.06E-17	9.57E-12	2.07E-05	1.40E-07	1.03E-06	1.82E-12
RL	RL2718-01	0.83	3.49E-01	--	--	5.86E-05	1.83E-06	4.24E-04	5.28E-02	8.99E-03	1.25E-02	7.89E-08	--	5.28E-05	3.19E-14	1.51E-12	1.69E-18	6.37E-11	2.05E-08	8.33E-10	4.27E-09	1.91E-16
RL	RL300-01	72.87	8.35E+00	--	--	1.31E+00	--	1.07E+01	1.55E+02	3.47E+01	6.99E+02	2.09E-03	--	1.22E+00	--	--	3.32E-03	3.78E+00	2.39E-01	1.11E-02	--	3.04E-02
RL	RL308-01	28.12	7.65E+01	--	--	6.88E-03	--	3.73E+01	8.72E+00	3.38E+00	2.91E+03	1.85E-04	--	6.39E-03	--	--	--	6.20E-02	1.32E-02	1.76E-04	--	4.51E-03
RL	RL324-01	135.33	3.43E+01	--	--	7.62E+00	--	1.09E+01	4.09E+02	9.13E+01	1.33E+03	5.56E-03	--	4.67E+00	--	--	--	--	--	--	--	--
RL	RL325-01	1400.37	1.62E+02	--	--	1.83E+02	--	9.42E+01	3.10E+02	1.04E+02	3.68E+03	3.68E-02	--	1.07E+03	--	--	--	--	--	--	--	--
RL	RL325-03	2.08	6.98E-01	--	--	1.87E-03	--	2.46E-01	5.41E-01	3.29E-01	7.91E+00	1.66E-04	--	1.71E-03	--	--	--	--	--	3.91E-06	--	2.68E-06
RL	RL325-05	5.20	5.45E+01	--	--	5.14E-01	7.60E-05	1.51E+01	3.83E-01	3.86E-01	1.79E+03	6.76E-04	--	6.91E-02	1.16E-13	4.93E-09	7.07E-18	7.65E-10	2.18E-04	5.67E-06	5.73E-08	8.57E-08
RL	RL327-01	80.93	2.57E+01	--	--	6.73E+03	--	1.70E+01	7.07E+00	6.20E+00	4.86E+02	8.97E-03	--	1.03E-02	--	--	--	--	--	--	--	--
RL	RLARG-01	0.83	1.66E+01	--	--	4.77E-05	8.13E-05	4.59E+00	1.70E+01	8.54E+00	2.02E+02	3.66E-03	--	4.30E-05	4.25E-04	5.78E-07	1.26E-04	2.16E-01	3.21E-03	2.99E-04	5.32E-06	3.22E-06
RL	RLBART-01	0.62	1.02E+00	--	--	1.80E-02	8.44E-06	8.35E-07	3.62E-05	8.09E-06	4.92E-05	4.90E-10	--	1.65E-02	3.61E-13	7.61E-15	3.71E-21	4.61E-10	6.55E-11	8.93E-13	6.00E-12	1.85E-18
RL	RLBAT-01	19.14	8.05E-01	--	--	3.22E-02	2.88E-06	7.38E+01	9.09E+00	2.02E+00	1.64E+01	1.22E-04	--	2.97E-02	3.95E-14	1.25E-06	5.36E-16	8.49E-11	9.40E-03	3.54E-04	1.14E-06	1.10E-03
RL	RLBET-01	0.42	5.61E-03	--	--	1.00E-01	2.37E-08	1.37E-03	5.82E-02	1.30E-02	9.11E-02	7.82E-07	--	9.23E-02	4.43E-16	3.29E-08	4.61E-18	8.18E-13	1.66E-04	1.70E-05	8.48E-09	1.83E-07
RL	RLBW-01	306.60	3.49E+02	--	--	9.80E-01	--	3.01E+01	1.08E+03	2.41E+02	4.87E+03	1.45E-02	--	9.14E-01	--	--	--	--	8.65E-02	1.83E-04	--	1.02E-02
RL	RLCBWD.001-S	14.36	1.82E+01	--	--	4.75E-07	1.16E-04	3.99E+00	2.37E+01	1.12E+01	1.74E+02	1.70E-03	--	4.32E-07	--	--	--	4.81E-03	6.08E-04	1.95E-05	--	2.45E-04
RL	RLCFF-01	24.34	8.43E+01	--	--	1.10E-01	--	4.64E+01	5.77E+02	1.28E+02	3.12E+03	7.63E-03	--	1.01E-01	--	--	--	--	8.33E-04	3.73E-05	--	8.09E-04
RL	RLCFF-03	5.82	1.35E-01	--	--	3.77E-04	6.98E-07	2.10E-02	9.32E-01	2.08E-01	1.10E+00	1.26E-05	--	3.37E-04	1.51E-14	1.07E-10	5.51E-17	2.66E-11	1.22E-06	1.75E-08	1.17E-07	3.60E-14
RL	RLCFFD.001-S	261.33	4.73E+02	--	--	--	1.55E-04	9.52E+01	5.80E+02	2.93E+02	4.13E+03	4.46E-02	--	--	1.08E-14	3.64E-08	1.31E-06	3.42E-10	4.18E-03	1.31E-04	8.70E-06	2.91E-03
RL	RLESG-01	58.24	4.96E+00	--	--	6.92E-02	5.93E-06	1.87E+00	3.87E+01	8.72E+00	1.18E+02	5.38E-04	--	1.15E-01	6.01E-15	5.06E-07	1.02E-16	4.88E-11	1.41E-02	1.43E-03	1.03E-06	2.94E-05
RL	RLEXX-01	50.96	5.02E+02	--	--	1.26E-01	2.34E-03	1.15E+02	4.98E+03	1.11E+03	7.08E+03	6.73E-02	--	1.16E-01	5.28E-11	9.49E-05	4.70E-13	8.90E-08	4.44E-01	1.95E-02	7.93E-04	4.23E-01
RL	RLGEV-01	280.23	4.63E+00	--	--	4.52E-02	2.06E-05	1.10E+00	4.68E+01	1.05E+01	7.01E+01	6.30E-04	--	4.15E-02	4.24E-13	5.54E-06	4.06E-15	7.46E-10	2.68E-02	1.64E-03	7.14E-06	1.88E-02
RL	RLHMOX.001-S	193.65	8.90E+03	4.30E-04	--	6.34E-04	4.10E-01	1.69E+03	7.74E+03	3.93E+03	6.24E+04	1.96E+00	--	5.70E-04	7.44E-10	2.04E-05	2.59E-14	5.31E-06	7.63E-01	4.83E-02	3.50E-04	5.93E-01
RL	RLIAEA-01	0.42	1.25E-02	--	--	1.25E-04	6.22E-08	2.16E-03	9.22E-02	2.06E-02	1.38E-01	1.24E-06	--	1.12E-04	1.37E-15	1.22E-11	6.04E-18	2.37E-12	1.33E-07	1.82E-09	1.22E-08	3.75E-15
RL	RLM308D.001-S	62.23	1.89E+03	1.08E-03	--	4.04E-03	1.96E-02	5.58E+02	9.23E+02	5.91E+02	1.16E+04	5.76E-01	--	3.66E-03	2.30E-07	7.50E-07	8.88E-05	1.23E-03	4.33E-02	1.43E-03	3.50E-05	2.27E-02
RL	RLMHASH.001-S	61.78	7.45E+02	--	--	3.75E-06	1.22E-03	7.71E+01	2.43E+03	6.01E+02	3.51E+03	8.13E-02	--	1.77E-06	8.12E-07	2.53E-08	1.10E-14	1.73E-03	1.12E-03	1.26E-05	8.91E-05	6.14E-11
RL	RLMLB-01	0.42	2.44E-02	--	--	8.86E-01	1.14E-07	5.61E-03	2.42E-01	5.39E-02	3.45E-01	3.27E-06	--	8.13E-01	2.57E-15	4.69E-11	2.28E-17	4.33E-12	4.21E-07	5.73E-09	3.84E-08	1.18E-14
RL	RLMLL-01	0.42	6.56E-02	--	--	4.50E-05	4.46E-07	1.22E-02	5.65E-01	1.26E-01	5.22E-01	7.61E-06	--	4.09E-05	1.99E-14	1.23E-06	1.01E-16	2.40E-11	4.15E-03	7.42E-06	1.24E-07	4.62E-04
RL	RLMPDT.001-S	1239.55	2.57E+03	8.95E-04	--	2.19E-02	1.28E-02	7.94E+02	4.92E+03	1.60E+03	2.51E+04	3.33E-01	--	1.99E-02	6.06E-06	3.67E-07	5.10E-07	3.23E-02	2.27E-02	5.99E-04	9.50E-05	4.35E-03
RL	RLMPURX.001-S	106.38	3.38E+02	1.16E-04	--	8.60E-03	9.44E-04	1.49E+02	7.35E+02	2.98E+02	9.11E+03	7.80E-02	--	7.25E-03	2.37E-06	3.16E-08	1.96E-15	8.41E-03	1.81E-03	1.93E-05	2.65E-05	2.62E-04
RL	RLMSSC.001-S	64.69	6.47E+02	--	--	--	9.06E-04	2.14E+02	2.79E+03	6.20E+02	1.13E+04	7.24E-02	--	--	1.18E-12	5.15E-08	7.27E-15	8.54E-09	2.66E-03	1.75E-05	7.35E-05	3.93E-04
RL	RLNPDT.002-S	445.26	5.98E+02	3.49E-03	--	1.44E-03	2.67E-03	2.01E+02	2.01E+03	4.80E+02	7.36E+03	8.39E-02	--	9.91E-04	1.02E-11	2.63E-07	6.21E-08	4.68E-08	7.29E-03	1.67E-04	7.12E-05	4.35E-04
RL	RLNPURX.001-S	39.11	1.85E+02	4.14E-05	--	1.97E-03	2.11E-04	1.00E+02	4.12E+02	1.60E+02	6.65E+03	5.02E-02	--	1.26E-03	2.09E-13	2.08E-08	1.88E-15	1.71E-09	1.15E-03	1.62E-06	1.90E-05	3.03E-11
RL	RLPFP-01	7457.30	3.15E+02	--	--	4.33E+01	--	1.13E+05	1.97E+04	4.44E+03	8.87E+04	3.09E-01	--	4.04E+01	--	--	7.23E-05	4.84E-01	9.81E-01	2.20E-02	2.37E-06	4.08E-01
RL	RLPFP-03	6.86	4.32E+01	--	--	1.55E-03	2.76E-05	6.08E+00	1.82E+02	4.22E+01	4.07E+02	4.22E-03	--	1.41E-03	7.47E-15	6.50E-10	1.99E-16	1.20E-10	5.35E-05	6.83E-06	3.27E-06	5.33E-08
RL	RLPFP-04	17.68	1.95E-02	--	--	--	--	6.29E-03	2.36E-01	5.29E-02	7.81E-01	3.19E-06	--	--	--	--	--	--	--	--	--	--
RL	RLPFP-05	18.72	9.39E+01	--	--	3.59E-05	--	3.49E+01	3.78E+01	1.89E+01	2.54E+03	1.21E-02	--	3.26E-05	--	--	--	--	--	--	--	--
RL	RLPRC-01	4.20	--	--	--	1.16E-01	--	--	--	--	--	--	--	1.04E-01	--	--	--	--	--	--	--	--
RL	RLPURX-01	476.91	6.34E+01	--	--	5.70E-02	--	4.13E+01	4.64E+02	1.29E+02	4.12E+03	2.40E-02	--	5.20E-02	--	--	--	--	--	--	--	--
RL	RLPURX-05	780.11	2.09E+02	--	--	1.53E+01	1.08E-03	2.55E+01	8.78E+02	1.97E+02	2.32E+03	1.19E-02	--	1.40E+01	2.71E-11	1.77E-07	7.00E-14	4.38E-08	1.74E-03	1.91E-05	1.29E-04	1.12E-06
RL	RLRFETS.001-S	63.44	5.42E+02	--	--	1.95E-05	8.45E-04	8.03E+01	3.79E+03	6.29E+02	5.23E+03	6.50E-02	--	1.99E-06	3.52E-06	2.49E-07	1.15E-14	7.51E-03	6.12E-03	1.93E-04	9.33E-05	4.90E-11
RL	RLSWO-01	57.78	2.26E+01	--	--	6.91E-02	--	1.05E+01	7.88E+01	2.13E+01	5.21E+02	4.14E-03	--	1.97E-02	--	--	--	--	--	7.63E-08	--	--
RL	RLVIPAC.001-S	28.35	6.52E+01	--	--	3.66E-04	5.52E-04	2.84E+01	1.78E+02	5.31E+01	2.87E+02	1.58E-02	--	3.33E-04	--	--	--	--	9.60E-02	2.52E-03	--	4.82E-02
RL	RLWAR-01	447.00	--	--	--	8.06E-01	--	3.38E+00	1.21E+02	2.70E+01	5.46E+02	1.63E-03	--	7.52E-01	--	--	6.12E-05	--	5.63E-02	3.33E-03	--	7.82E-03
SA	SA-T001	6.37	1.06E+00	--	4.83E+00	--	2.27E-05	2.26E-01	3.57E+00	7.78E-03	--	--	--	--	6.34E-13	4.43E-10	4.65E-03	1.11E-09	8.08E-06	4.22E-08	1.49E-09	--
SA	SA-W134	16.02	7.19E+00	1.22E-02	1.59E-03	6.28E+01	1.24E-01	1.31E+00	1.38E+00	4.38E-01	4.90E+00	1.21E-07	--	5.92E+01	1.77E-06	1.35E-05	2.60E-17	2.10E-03	1.67E-01	1.09E-02	1.17E-07	7.96E-03
SA	SA-W134M	2.08	9.34E-01	1.59E-03	2.06E-04	8.16E+00	1.62E-02	1.70E-01	1.80E-01	5.69E-02	6.37E-01	1.57E-08	--	7.69E+00	2.30E-07	1.75E-06	3.38E-18	2.73E-04	2.16E-02	1.41E-03	1.52E-08	1.03E-03
SA	SA-W136	34.45	2.61E-02	--	--	--	--	1.16E+00	1.97E+01	4.51E+00	3.82E+01	5.24E-04	--	--	--	--	--	--	--	--	--	--

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR2001.001.00-S	61.15	7.38E-01	--	--	5.13E-06	9.99E-07	1.08E+00	9.66E+00	1.92E+00	2.85E+01	1.93E-04	--	--	1.49E-15	3.54E-10	3.52E-17	9.93E-12	1.56E-05	4.76E-08	2.85E-07	1.46E-13
SR	SR2002.002.00-S	69.89	3.32E+00	--	--	1.75E-05	4.02E-06	4.70E-01	1.14E+01	2.62E+00	6.79E+01	3.57E-04	--	1.48E-06	3.32E-05	9.80E-11	3.07E-17	8.86E-02	5.42E-06	4.48E-08	3.11E-07	2.16E-13
SR	SR-BCLCH-MT01	11.34	1.75E+01	--	--	--	1.54E-05	3.76E+03	6.22E+01	1.63E+01	6.74E+02	2.65E-03	--	--	8.93E-15	4.39E-07	1.08E-16	9.70E-11	3.24E-02	1.84E-07	1.45E-06	1.20E-12
SR	SR-T001-221H-HEPA	62.37	2.30E-01	--	--	--	2.91E-04	3.19E+02	2.56E-01	1.50E-01	3.44E+00	1.56E-04	--	--	1.85E-11	1.77E-06	2.84E-17	2.24E-08	1.99E-02	4.06E-09	7.16E-08	3.77E-13
SR	SR-W026-221F-HEPA	378.00	1.66E+02	--	--	--	4.90E-04	2.64E+03	8.64E+02	2.02E+02	4.32E+03	7.36E-02	--	--	4.76E-12	9.38E-06	3.79E-14	1.21E-08	1.28E-01	1.36E-05	9.59E-05	1.85E-08
SR	SR-W026-221F-HET	1089.92	1.35E+02	7.52E-04	1.41E-01	--	2.48E-03	2.58E+02	6.32E+02	1.53E+02	4.65E+03	2.51E-01	--	--	1.74E-05	6.99E-07	2.63E-14	9.26E-02	3.96E-02	1.31E-03	2.71E-04	7.19E-03
SR	SR-W026-221F-HET-S	552.35	2.36E+02	5.28E-05	7.97E-02	2.47E-04	4.67E-03	3.03E+02	1.03E+03	2.85E+02	4.39E+03	3.55E-02	--	2.60E-04	3.74E-12	1.92E-06	3.49E-05	4.01E-08	1.08E-01	1.43E-03	1.69E-05	9.01E-03
SR	SR-W026-221F-HOM	16.66	6.11E-01	--	--	--	2.46E-06	1.10E+00	4.34E+00	8.32E-01	1.03E+01	9.91E-05	--	--	4.01E-14	4.72E-09	1.56E-16	7.99E-11	5.88E-05	7.65E-08	3.95E-07	2.11E-09
SR	SR-W026-772F-HET	834.88	2.43E+02	--	1.39E-01	6.14E+00	5.93E-01	3.12E+04	4.76E+02	1.17E+02	5.31E+03	9.18E-02	--	6.13E+00	1.00E-06	6.47E-05	5.12E-13	5.35E-03	3.69E+00	2.67E-03	5.18E-03	9.18E-03
SR	SR-W026-772F-HET-S	1306.27	9.23E+01	6.50E-04	9.36E-02	3.74E-02	6.97E-02	2.74E+03	2.63E+02	7.48E+01	1.25E+03	1.23E-02	--	3.02E-02	1.27E-05	8.27E-06	3.95E-04	6.77E-02	4.68E-01	1.00E-03	4.44E-06	7.82E-04
SR	SR-W027-221F-HET	1490.34	2.21E+03	--	--	--	1.99E-03	4.08E+03	7.15E+03	1.64E+03	6.97E+04	9.24E-01	--	--	1.17E-12	4.76E-07	1.08E-14	1.26E-08	3.51E-02	2.18E-05	1.46E-04	1.48E-05
SR	SR-W027-221F-HETA-S	2080.85	5.30E+02	4.45E-06	--	4.76E-01	8.32E-03	2.00E+02	1.69E+03	5.57E+02	1.06E+04	9.28E-02	--	1.29E-04	4.88E-06	6.72E-06	9.95E-05	1.73E-02	2.50E-01	1.24E-04	4.95E-05	2.17E-03
SR	SR-W027-221H-HEPA	137.97	8.42E+00	--	--	--	5.15E-02	1.51E+04	1.61E+01	7.06E+00	3.70E+02	7.03E-03	--	--	--	--	--	--	5.60E-03	8.17E-05	1.02E-03	3.25E-06
SR	SR-W027-221H-HET-A	5568.93	1.63E+02	6.12E-04	--	4.57E+01	1.61E+01	5.48E+05	1.34E+03	5.18E+02	1.37E+04	3.01E-01	--	4.57E+01	2.10E-06	7.13E-05	1.10E-11	1.13E-02	5.53E+00	4.90E-02	1.11E-01	1.17E-02
SR	SR-W027-221H-HET-S	2521.93	7.54E+01	2.04E-02	--	1.07E-02	2.08E-01	3.80E+04	1.30E+02	5.12E+01	5.09E+03	2.45E-02	--	1.06E-02	1.70E-05	1.24E-04	2.73E-03	9.05E-02	7.01E+00	1.55E-03	3.04E-06	2.49E-03
SR	SR-W027-235F-HET	733.92	5.56E+01	--	--	--	5.14E+00	2.33E+05	2.57E+02	1.25E+02	2.94E+04	2.94E-01	--	--	3.32E-09	4.57E-06	7.61E-13	4.66E-05	8.40E-01	1.32E-03	1.54E-02	1.39E-03
SR	SR-W027-235F-HET-S	301.51	1.38E+01	1.12E-05	--	1.61E-04	3.59E-02	2.15E+03	9.65E+00	6.53E+00	3.91E+02	3.36E-03	--	1.61E-04	7.33E-12	3.76E-06	2.51E-04	1.56E-07	4.21E-01	7.52E-04	1.94E-07	9.01E-05
SR	SR-W027-235F-HOMO	5.83	1.04E+00	--	--	--	4.11E-06	1.19E+03	9.37E-01	5.09E-01	1.34E+01	6.02E-04	--	--	5.40E-14	3.69E-06	8.40E-17	1.22E-10	5.36E-02	1.39E-08	2.27E-07	1.36E-12
SR	SR-W027-773A-HET	2495.78	4.70E+00	3.49E+01	3.36E+03	8.05E+02	7.90E-07	1.91E+04	3.24E+02	8.77E+01	2.86E+03	1.02E+00	1.16E-12	8.04E+02	4.45E-06	6.71E-07	8.24E-04	4.74E-02	1.02E-01	1.40E-03	8.24E-03	2.99E-03
SR	SR-W027-773A-HET-S	358.24	3.39E+01	2.49E-01	1.32E+01	2.21E-02	3.42E-02	1.84E+03	9.04E+01	2.21E+01	4.44E+02	2.37E-03	--	2.21E-02	6.98E-12	2.98E-06	1.31E-04	1.49E-07	3.34E-01	1.69E-04	6.54E-07	1.50E-03
SR	SR-W027-999-AGNS-HET	56.84	3.51E+00	--	--	--	5.33E-03	3.37E+00	6.51E+00	1.96E+00	2.88E+01	2.39E-04	--	--	7.30E-10	1.33E-07	1.01E-13	6.00E-07	7.02E-04	1.71E-05	7.92E-05	2.47E-07
SR	SR-W027-999-AGNS-HOM	5.83	1.55E+01	--	--	--	3.13E-03	2.92E+00	6.08E+00	1.42E+00	1.85E+01	2.46E-04	--	--	4.18E-10	1.20E-07	7.07E-16	3.46E-07	6.27E-04	1.95E-05	1.10E-06	4.14E-04
SR	SR-W027-999-LASL-HET	44.30	1.75E+02	--	--	--	1.61E-03	5.76E+04	5.31E+01	3.35E+01	6.64E+02	3.85E-02	--	--	1.08E-10	1.02E-03	2.85E-14	1.08E-07	6.37E+00	1.78E-06	3.39E-05	1.98E-10
SR	SR-W027-999-LASL-HOM	5.82	1.77E+01	--	--	--	1.62E-04	1.29E+04	1.16E+01	6.38E+00	6.69E+01	7.57E-03	--	--	1.09E-11	2.28E-04	5.42E-15	1.09E-08	1.43E+00	3.90E-07	6.44E-06	3.89E-11
SR	SR-W027-999-MD-HET	1675.12	3.75E+02	--	1.53E-03	--	3.79E-03	4.01E+05	3.92E+02	2.09E+02	2.35E+03	2.38E-01	4.41E-15	--	1.26E-04	7.08E-03	1.77E-13	3.95E-02	4.43E+01	2.20E-04	2.11E-04	4.59E-03
SR	SR-W027-999-MD-HOM-A	2.29	3.40E-02	--	--	--	2.77E-05	3.03E+01	2.10E-02	1.68E-03	2.20E-02	5.29E-08	--	--	4.38E-12	5.12E-07	9.66E-19	3.35E-09	3.33E-03	3.25E-07	1.40E-09	1.14E-16
SR	SR-W027-999-MD-HOM-B	22.64	3.37E-01	--	--	--	2.74E-04	3.00E+02	2.08E-01	1.66E-02	2.18E-01	5.23E-07	--	--	4.34E-11	5.07E-06	9.56E-18	3.31E-08	3.30E-02	3.22E-06	1.38E-08	1.13E-15
SR	SR-W027-999-MD-HOM-C	1.04	1.55E-02	--	--	--	1.26E-05	1.38E+01	9.56E-03	7.64E-04	1.00E-02	2.40E-08	--	--	1.99E-12	2.33E-07	4.39E-19	1.52E-09	1.51E-03	1.48E-07	6.35E-10	5.18E-17
SR	SR-W027-999-MD-SOIL	90.53	4.10E-02	--	--	--	1.24E-04	1.59E+01	5.38E-01	--	--	9.87E-09	--	--	1.97E-11	1.84E-07	--	1.50E-08	1.41E-03	1.49E-08	--	2.13E-17
SR	SR-W027-FB-PRE86-C-S	2385.10	5.05E+02	1.13E-04	1.00E-01	1.72E-04	7.67E-03	1.60E+02	3.32E+03	4.47E+02	6.98E+03	2.20E-01	--	1.39E-04	9.98E-07	3.05E-06	6.22E-05	3.55E-03	1.14E-01	1.16E-04	3.97E-05	2.77E-04
SR	SR-W027-HBL-Box-A	339.60	3.16E+00	--	--	--	1.02E-01	3.56E+03	2.84E+00	1.54E+00	3.87E+01	1.82E-03	--	--	5.27E-09	1.27E-05	2.89E-16	7.03E-06	1.72E-01	4.48E-08	7.32E-07	4.40E-12
SR	SR-W027-SRSG-HET	1889.08	8.31E+02	2.94E-02	1.21E+00	--	1.09E+00	2.85E+03	1.74E+03	3.90E+02	4.60E+03	4.69E+00	--	--	1.24E-02	2.77E-03	4.50E-11	4.55E+00	1.08E+01	8.45E-03	3.16E-02	4.97E-01
SR	SR-W027-SRSG-HOM	22.28	1.03E+01	1.24E-03	4.08E-02	--	2.29E-02	1.50E+03	1.03E+02	1.39E+01	6.70E+01	1.05E-02	--	--	3.90E-09	2.18E-05	2.75E-13	2.87E-06	1.50E-01	2.72E-05	1.98E-04	5.35E-04
Grand Total		**168485.00**	**4.64E+05**	**9.27E+01**	**7.63E+03**	**8.15E+03**	**3.41E+01**	**2.12E+06**	**5.38E+05**	**1.31E+05**	**1.90E+06**	**5.69E+01**	**3.19E-04**	**2.34E+03**	**1.30E+00**	**1.45E-01**	**1.45E+00**	**7.79E+02**	**2.31E+02**	**8.65E+00**	**1.86E+00**	**5.80E+01**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	220.78	1.88E+01	5.86E-05	2.96E-01	7.67E+01	3.09E-03	1.64E+01	3.24E+01	7.09E+00	4.54E+01	--	--	4.32E+01	9.88E-07	2.38E-07	5.00E-15	3.40E-04	1.64E-03	2.88E-04	6.52E-06	1.13E-04
AW (MFC)	AW-T031.1322	94.27	1.86E+00	1.07E-03	9.92E-03	2.97E+04	3.48E-03	2.43E+00	8.17E-03	3.92E+01	7.54E+01	1.09E-03	--	3.95E+04	2.68E-10	3.49E-07	4.66E-14	9.75E-07	1.29E-02	8.17E-03	3.16E-04	3.45E-05
AW (MFC)	AW-W020.13	65.09	4.90E+01	--	--	9.69E+02	6.22E-04	--	3.66E+01	1.14E+01	1.71E+03	--	--	1.87E+02	8.88E-04	1.60E-06	1.42E-15	7.29E-01	1.37E-02	9.24E-03	4.41E-06	1.49E-03
AW (MFC)	AW-W026	0.89	1.57E-01	--	--	1.52E-01	6.68E-07	--	2.81E-02	--	--	--	--	5.39E-01	7.67E-15	8.41E-16	--	1.88E-11	1.44E-11	2.89E-06	--	3.93E-07
AW (MFC)	AW-W028	36.80	--	--	--	1.10E+01	--	--	1.29E+00	6.76E-02	--	--	--	3.05E+01	--	7.63E-14	8.37E-18	--	1.31E-09	6.62E-05	2.61E-08	3.57E-05
AW (MFC)	AW-W046	24.23	--	--	--	2.08E+04	--	--	2.91E+00	--	--	--	--	2.27E+04	--	--	--	--	--	6.93E-03	--	--
AW (MFC)	AW-W047	12.56	--	--	--	1.84E+03	--	--	1.02E-02	--	--	--	--	2.00E+03	--	--	--	--	--	3.03E-11	--	--
BT	BT-T001	2.67	3.11E+00	1.95E-02	4.27E-01	9.18E+03	2.70E-02	2.16E+02	3.77E-01	4.22E-01	2.80E+01	2.99E-03	--	9.07E+03	2.33E-02	9.61E-04	2.27E-03	8.22E+00	1.15E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	1.04E+00	6.50E-03	1.42E-01	3.06E+03	8.99E-03	7.21E+01	1.26E-01	1.41E-01	9.33E+00	9.97E-04	--	3.02E+03	7.77E-03	3.20E-04	7.56E-04	2.74E+00	3.84E-01	2.22E-03	2.52E-02	1.54E-05
IN	IN-AE-AGHC-01	183.34	6.86E+01	--	--	1.55E+03	--	3.91E+01	1.42E+02	7.48E+01	1.12E+03	2.35E-02	--	1.14E+03	--	--	--	2.54E-01	4.60E-01	1.63E-02	--	2.72E-03
IN	IN-AW-161	1.78	--	--	--	9.88E-01	--	--	4.93E+00	1.05E-01	--	--	--	7.21E-01	--	--	2.49E-17	--	--	2.97E-06	5.61E-08	--
IN	IN-INTEC-SFS-01	0.89	1.47E+00	--	--	3.15E+00	8.24E-06	1.69E+00	2.42E-01	2.80E-01	1.59E+01	1.01E-03	--	2.29E+00	2.58E-13	1.96E-08	1.61E-16	3.70E-10	1.50E-04	8.60E-06	2.32E-07	4.25E-12
IN	IN-NRF-153	8.01	1.06E-02	--	--	--	5.67E-08	2.32E-01	3.24E-03	3.50E-03	1.22E-01	1.16E-05	--	--	1.64E-15	2.49E-09	1.87E-18	2.45E-12	1.98E-05	4.74E-05	2.80E-09	4.73E-14
IN	IN-TRA-150	3.56	3.78E+01	--	--	--	1.99E-04	3.95E+01	--	--	--	--	--	--	3.46E-12	1.41E-07	--	6.91E-09	1.91E-03	--	--	--
IN	IN-TRA-157	4.45	1.56E-01	--	1.25E-02	2.12E-01	6.14E-07	1.45E-01	4.18E-03	2.01E-05	--	--	--	1.94E+00	2.34E-06	6.80E-08	7.89E-22	2.08E-03	6.33E-04	4.94E-11	3.85E-12	--
IN	IN-W208.243	0.89	1.63E+01	--	--	--	8.40E-05	1.30E+00	4.25E+01	9.59E+00	1.08E+02	6.94E-04	--	--	1.69E-12	5.93E-09	2.28E-15	3.10E-09	7.16E-05	3.51E-05	5.12E-06	1.89E-12
IN	IN-W216.876	15.13	7.67E+02	--	--	--	4.53E-03	1.07E+00	3.48E+01	7.90E+00	8.84E+01	5.69E-04	--	--	9.99E-11	4.86E-09	1.88E-15	1.77E-07	5.86E-05	6.18E-07	4.22E-06	1.55E-12
IN	IN-W216.877	43.61	1.10E+03	--	--	--	6.51E-03	1.54E+00	5.01E+01	1.14E+01	1.28E+02	8.20E-04	--	--	1.44E-10	7.00E-09	2.70E-15	2.55E-07	8.45E-05	8.90E-07	6.07E-06	2.23E-12
IN	IN-W228.884	8.90	6.58E+00	--	--	--	3.85E-05	4.99E-02	1.63E+00	3.69E-01	4.12E+00	2.65E-05	--	--	8.44E-13	2.27E-10	8.76E-17	1.50E-09	2.74E-06	2.89E-08	1.97E-07	7.20E-14
IN	IN-W228.885	0.89	1.09E-01	--	--	--	6.40E-07	8.34E-04	2.71E-02	6.15E-03	6.88E-02	4.42E-07	--	--	1.40E-14	3.79E-12	1.46E-18	2.50E-11	4.58E-08	4.82E-10	3.28E-09	1.20E-15
IN	IN-W228.886	21.36	7.90E+00	--	--	--	4.62E-05	5.99E-02	1.95E+00	4.41E-01	4.96E+00	3.18E-05	--	--	1.01E-12	2.72E-10	1.05E-16	1.80E-09	3.28E-06	3.47E-08	2.36E-07	8.64E-14
IN	IN-W243.276	3.56	1.40E+00	--	--	--	6.04E-06	2.33E-01	7.61E+00	1.72E+00	1.93E+01	1.24E-04	--	--	1.05E-13	1.06E-09	4.09E-16	2.04E-10	1.28E-05	2.33E-06	9.21E-07	1.52E-07
IN	IN-W243.277	1.78	2.80E+00	--	--	--	1.21E-05	4.66E-01	1.52E+01	3.45E+00	3.86E+01	2.47E-04	--	--	2.10E-13	2.12E-09	8.19E-16	4.08E-10	2.56E-05	4.67E-06	1.84E-06	3.03E-07
IN	IN-W252.282	17.80	1.93E+01	--	--	--	7.61E-05	3.95E+00	1.29E+02	2.91E+01	3.27E+02	2.10E-03	--	--	1.19E-12	1.80E-08	6.92E-15	2.42E-09	2.17E-04	2.29E-06	1.56E-05	5.70E-12
IN	IN-W254.1045	1.78	8.87E-01	--	--	--	2.98E-06	2.36E-01	7.70E+00	1.75E+00	1.96E+01	1.26E-04	--	--	3.65E-14	1.07E-09	4.15E-16	8.30E-11	1.30E-05	1.37E-07	9.33E-07	3.42E-13
IN	IN-W294.343	8.90	3.87E+00	--	--	--	1.46E-05	8.57E-01	2.80E+01	6.34E+00	7.11E+01	4.58E-04	--	--	2.17E-13	3.90E-09	1.51E-15	4.52E-10	4.70E-05	1.85E-05	3.39E-06	1.24E-12
IN	IN-W296.330	12.46	1.35E+00	--	--	--	4.36E-05	2.78E-01	9.08E+00	2.05E+00	2.31E+01	1.48E-04	--	--	2.60E-12	1.26E-09	4.87E-16	3.15E-09	1.52E-05	1.56E-06	1.10E-06	4.03E-13
IN	IN-W296.331	12.46	4.52E+00	--	--	--	1.45E-04	9.27E-01	3.03E+01	6.85E+00	7.70E+01	4.95E-04	--	--	8.64E-12	4.22E-09	1.63E-15	1.05E-08	5.09E-05	5.17E-06	3.66E-06	1.34E-12
IN	IN-W298.318	8.01	2.04E+01	--	--	--	9.25E-05	2.95E+00	9.61E+01	2.18E+01	2.45E+02	1.58E-03	--	--	1.68E-12	1.34E-08	5.18E-15	3.20E-09	1.62E-04	1.71E-06	1.17E-05	4.29E-12
IN	IN-W358.949	10.68	--	--	--	--	--	4.56E+03	2.26E+01	4.34E+01	--	--	--	--	--	7.47E-06	3.85E-15	--	1.49E-01	2.46E-07	1.42E-05	--
IN	IN-W372.918	4.45	1.55E-01	--	--	1.90E-01	5.57E-07	1.27E-01	3.65E-03	--	--	--	--	--	4.56E-15	2.08E-10	--	1.33E-11	4.15E-06	3.96E-11	--	--
KA	KA-T001	502.99	1.69E-01	2.80E-04	6.90E-03	3.73E+02	4.53E-03	1.46E+01	4.02E-02	1.01E-02	1.18E+00	3.84E-05	9.10E-12	3.55E+02	5.88E-09	8.30E-06	2.20E-10	2.14E-06	2.58E-02	3.83E-04	3.63E-03	1.68E-06
KA	KA-W016	52.53	1.77E-02	2.92E-05	7.20E-04	3.90E+01	4.73E-04	1.52E+00	4.20E-03	1.05E-03	1.23E-01	4.01E-06	9.51E-13	3.70E+01	6.14E-10	8.66E-07	2.30E-11	2.24E-07	2.69E-03	4.00E-05	3.79E-04	1.75E-07
LA	LA-TA-00-03	1.78	--	--	--	--	--	--	1.24E+01	--	--	--	--	--	--	--	--	--	--	4.28E-07	--	--
LA	LA-TA-03-27	96.12	2.18E+00	--	--	1.59E+03	1.17E-05	1.28E+00	2.33E+02	2.53E+00	2.51E+01	1.52E-03	--	1.43E+03	3.38E-13	4.36E-07	1.22E-14	5.03E-10	1.85E-03	9.30E-03	1.01E-05	4.09E-05
OR	OR-W211	294.45	3.81E+01	1.13E-01	1.11E+02	5.70E+01	2.69E-04	1.00E+00	4.42E+00	3.06E+00	4.92E+00	8.03E-03	5.54E-10	2.72E+01	3.10E-03	5.79E-08	1.51E-05	1.57E+00	3.38E-04	1.65E-04	1.22E-05	1.04E-04
OR	OR-W212	146.78	4.38E+01	--	1.37E+02	2.17E+03	3.02E-04	5.30E+01	5.75E-01	4.66E-01	6.65E+00	--	2.55E-11	1.37E+03	6.23E-07	3.34E-07	1.06E-03	3.17E-04	3.44E-03	4.93E-04	1.64E-07	--
OR	OR-W213	1020.04	3.49E+01	1.08E-02	1.06E-01	3.68E+02	3.61E-02	6.56E+00	1.72E+01	2.11E-02	8.17E+01	9.50E-03	--	3.07E+00	2.56E+01	4.25E-02	4.09E-01	3.32E+01	1.88E+00	2.80E-02	2.98E-02	3.56E-01
OR	OR-W214	2.67	3.11E-03	--	1.87E-04	6.60E-01	1.19E-04	4.96E-04	5.57E-03	6.39E-07	--	--	--	1.09E-02	1.65E-07	4.15E-12	8.29E-23	8.40E-05	4.07E-08	2.24E-10	2.25E-13	1.05E-04
OR	OR-W215	1824.83	2.62E+03	--	8.25E+03	1.35E+05	1.51E-01	2.52E+03	1.78E+03	1.93E+02	2.33E+03	7.92E-01	8.51E-12	3.64E+05	1.68E+00	1.03E-02	7.06E+00	8.54E+02	5.46E+01	2.72E+00	9.61E-02	1.08E+02
RL	RL105-07	72.98	1.55E+01	1.79E-04	4.83E+00	7.64E+01	3.84E-03	2.50E+00	1.16E+01	6.39E+00	3.12E+02	2.64E-03	--	2.89E+01	2.05E-11	2.33E-07	2.38E-04	2.27E-07	2.59E-02	9.76E-04	3.67E-03	2.11E-02
RL	RL105-09	518.87	2.33E+03	--	--	5.14E+02	2.97E-03	4.60E+02	3.68E+00	6.57E+00	1.17E+05	--	--	5.25E+02	4.24E-12	1.51E-07	1.20E-16	2.87E-08	6.66E-03	1.82E-08	9.74E-07	--
RL	RL324-07	67.64	1.14E+02	--	--	4.88E+04	1.81E-04	5.72E+00	7.99E+00	2.23E+00	4.79E+02	7.04E-02	--	2.52E+04	3.00E-13	1.87E-09	4.08E-17	1.93E-09	8.27E-05	3.94E-08	3.30E-07	5.31E-11
RL	RL324-08	67.64	4.99E+02	--	--	1.17E+05	8.11E-04	2.86E+01	5.69E+00	5.58E+00	2.14E+02	8.96E-03	--	7.91E+04	1.35E-12	9.37E-09	1.02E-16	8.65E-09	4.14E-04	2.81E-08	8.27E-07	6.76E-12
RL	RL325-07	143.29	1.28E+04	--	--	4.05E+02	8.24E-02	7.98E+02	5.43E+01	7.01E+01	9.15E+04	3.50E-02	--	2.43E+02	2.91E-09	7.26E-06	3.21E-14	3.99E-06	6.26E-02	9.49E-04	5.20E-05	1.32E-10
RL	RL325-08	13.35	6.42E+00	--	--	3.36E+02	6.23E-06	5.03E+00	3.21E+01	1.60E+01	5.99E+02	--	--	3.26E+02	6.72E-15	1.65E-09	2.93E-16	5.09E-11	7.27E-05	1.58E-07	2.37E-06	--
RL	RL327-07	16.91	2.69E+02	--	--	2.04E+04	1.52E-03	8.86E+01	1.61E+02	1.09E+02	2.65E+03	9.63E-02	--	7.57E+03	4.51E-11	1.81E-06	4.01E-13	6.70E-08	1.16E-02	3.87E-03	3.77E-04	9.58E-03
RL	RLBAT-08	22.25	8.47E-07	--	--	--	1.02E-12	1.98E-07	7.78E-06	1.74E-06	1.93E-05	1.05E-10	--	--	9.85E-22	4.13E-17	2.04E-23	8.38E-18	2.28E-12	3.07E-14	2.07E-13	6.34E-20
RL	RLPURX-07	113.03	8.65E-01	--	--	8.30E+00	4.84E-06	1.87E-01	1.53E+00	7.58E-01	9.35E+00	2.24E-05	--	7.55E+00	1.51E-13	2.17E-09	4.36E-16	2.17E-10	1.66E-05	4.21E-08	6.31E-07	9.45E-14
RL	RLSWO-08	121.04	1.23E+01	--	--	--	1.81E-05	2.75E+00	1.09E+02	2.44E+01	2.57E+02	1.47E-03	--	--	2.87E-14	9.01E-10	4.47E-16	1.87E-10	3.98E-05	5.37E-07	3.62E-06	1.11E-12
RL	RLWTP-08	846.25	6.75E+03	8.14E-01	--	2.99E+06	4.49E+00	2.90E+02	4.63E+03	7.90E+02	8.00E+03	5.41E-02	--	2.11E+06	--	--	--	3.35E+01	2.20E+01	9.39E-01	3.51E-01	2.09E+01
SA	SA-W135	19.58	9.07E+01	--	1.53E+00	1.91E+03	3.99E-03	1.75E+01	1.21E+01	1.82E+00	8.76E-02	--	--	1.90E+03	6.38E-11	2.55E-06	1.08E-16	1.51E-07	3.18E-02	2.35E-03	4.86E-07	7.84E-04
SR	SR-BCLRH-MT01	0.89	2.73E+00	1.91E-02	1.83E+00	4.75E+01	2.33E-04	2.40E+00	3.16E-01	5.15E-01	3.59E+01	1.54E-03	--	3.12E+01	8.14E-12	2.40E-08	2.52E-14	3.04E-08	9.01E-04	1.28E-05	1.70E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	1.89E-02	1.33E-04	1.27E-02	3.30E-01	1.61E-06	1.67E-02	2.19E-03	3.57E-03	2.49E-01	1.07E-05	--	2.15E-01	5.63E-14	1.67E-10	1.75E-16	2.11E-10	6.26E-06	8.90E-08	1.18E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	9.44E-01	--	4.41E-01	7.77E-01	9.20E-07	1.08E+00	1.17E-01	1.91E-01	--	--	--	3.13E+01	4.53E-12	1.42E-08	1.52E-14	1.61E-08	5.29E-04	7.80E-06	1.03E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	1.90E+00	1.33E-02	1.28E+00	3.31E+01	1.62E-04	1.67E+00	2.21E-01	3.59E-01	2.50E+01	1.08E-03	--	2.17E+01	5.66E-12	1.67E-08	1.76E-14	2.12E-08	6.27E-04	8.93E-06	1.19E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	5.68E+01	3.98E-01	3.82E+01	9.89E+02	4.85E-03	5.01E+01	6.58E+00	1.08E+01	7.49E+02	3.22E-02	--	6.50E+02	1.70E-10	4.99E-07	5.26E-13	6.35E-07	1.87E-02	2.68E-04	3.55E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	3.89E+00	2.71E-02	2.61E+00	6.75E+01	3.31E-04	3.42E+00	4.49E-01	7.33E-01	5.11E+01	2.20E-03	--	4.42E+01	1.16E-11	3.43E-08	3.60E-14	4.33E-08	1.28E-03	1.83E-05	2.43E-04	3.56E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-BCLRH-T006	0.89	9.11E-01	6.38E-03	6.12E-01	1.59E+01	7.79E-05	8.02E-01	1.06E-01	1.73E-01	1.20E+01	5.16E-04	--	1.04E+01	2.72E-12	8.02E-09	8.44E-15	1.02E-08	3.01E-04	4.31E-06	5.70E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	7.53E-03	5.26E-05	5.06E-03	1.31E-01	6.42E-07	6.62E-03	8.71E-04	1.43E-03	9.94E-02	4.24E-06	--	8.62E-02	2.24E-14	6.63E-11	6.96E-17	8.38E-11	2.49E-06	3.56E-08	4.70E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	8.97E-02	6.28E-04	6.05E-02	1.57E+00	7.66E-06	7.92E-02	1.04E-02	1.70E-02	1.19E+00	5.07E-05	--	1.03E+00	2.67E-13	7.92E-10	8.32E-16	9.98E-10	2.97E-05	4.25E-07	5.62E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	6.04E-01	4.24E-03	4.06E-01	1.06E+01	5.17E-05	5.34E-01	7.01E-02	1.15E-01	7.95E+00	3.42E-04	--	6.91E+00	1.81E-12	5.35E-09	5.62E-15	6.76E-09	2.00E-04	2.85E-06	3.79E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	4.97E+00	6.97E-02	3.26E+00	6.68E+02	4.47E-03	1.52E-02	1.28E-03	1.67E-02	1.52E-01	9.65E-06	--	3.60E+02	1.30E-10	1.47E-10	1.56E-16	4.91E-07	5.51E-06	4.85E-08	1.05E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	4.75E-02	--	1.70E-02	5.35E-01	4.63E-08	2.75E-02	1.06E-02	5.73E-06	--	--	--	2.88E-01	2.84E-17	5.49E-10	1.30E-23	3.03E-13	2.05E-05	3.14E-11	2.60E-13	--
SR	SR-T003-773A-HET	140.96	--	2.58E-01	--	2.92E+02	--	2.04E+01	1.18E-04	--	--	--	--	2.89E+02	--	1.16E-07	--	--	1.25E-03	9.54E-13	--	--
SR	SR-W027-SRSG-HET-RH	102.78	9.23E+00	4.57E+00	1.50E+02	--	3.32E-02	1.50E+01	2.16E+01	7.48E+00	5.77E+01	2.33E-03	7.19E-13	--	5.68E-09	1.88E-07	4.32E-15	4.18E-06	1.39E-03	6.19E-07	6.14E-06	1.02E-11
Grand Total		**7079.00**	**2.79E+04**	**6.33E+00**	**8.70E+03**	**3.39E+06**	**4.88E+00**	**9.36E+03**	**7.80E+03**	**1.53E+03**	**2.29E+05**	**1.16E+00**	**5.99E-10**	**2.67E+06**	**2.73E+01**	**5.41E-02**	**7.48E+00**	**9.34E+02**	**8.08E+01**	**3.75E+00**	**5.91E-01**	**1.30E+02**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	104.68	5.42E+01	1.88E+00	4.30E-02	9.74E-01	1.23E-01	5.20E+01	8.55E+01	6.45E+01	2.57E+01	2.62E-02	6.52E-16	9.96E-01	8.62E-03	2.18E-05	4.26E-14	4.20E-02	8.34E-02	1.50E-03	5.74E-05	4.41E-02
AE	AECHHM-S	14.15	1.41E+01	5.13E-03	--	7.63E-04	1.83E-03	3.62E+00	4.13E+01	1.64E+01	2.95E-10	2.02E-03	--	7.81E-04	3.20E-04	1.49E-06	1.08E-14	2.30E-07	5.67E-03	1.07E-04	1.46E-05	2.69E-03
AE	AE-T001	513.85	1.90E+02	--	--	5.83E+00	2.20E+00	3.12E+01	4.68E+02	2.76E+02	1.20E+02	2.25E-01	--	4.03E+00	1.36E-03	1.29E-05	2.04E-04	3.09E-01	3.28E-02	9.27E-03	4.50E-04	1.63E-01
AE	AE-T003	109.74	2.10E+01	--	--	1.51E-02	6.84E-02	3.91E+00	1.36E+02	5.24E+01	6.23E+01	1.47E-03	--	3.76E-02	1.89E-04	1.40E-07	7.80E-14	4.49E-02	6.29E-04	3.59E-04	7.01E-05	7.84E-03
AE	MU-W002-S	4.79	6.72E+00	1.13E-03	--	9.16E-07	3.91E-03	--	2.27E-02	--	--	--	--	9.38E-07	1.09E-03	1.98E-13	--	5.06E-07	1.47E-09	6.71E-10	--	1.73E-05
AW (MFC)	AW-N026.82	3.78		--	--	2.24E+00	--	--	3.51E-02	--	--	--	--	1.09E+01	--	--	--	--	--	1.39E-09	--	--
AW (MFC)	AW-N027.531	26.60	8.52E-02	--	--	--	9.94E-07	8.60E+01	8.66E+01	5.22E-01	8.20E-02	6.60E-06	--	--	2.79E-08	2.02E-06	5.25E-16	8.06E-06	1.11E-02	5.85E-05	5.74E-07	2.06E-07
AW (MFC)	AW-T033.1325	157.54	5.05E-01	--	--	--	5.56E-06	5.17E+02	5.13E+02	3.09E+00	5.35E-01	3.91E-05	--	--	1.56E-07	1.08E-05	2.78E-15	4.77E-05	6.26E-02	3.45E-04	3.21E-06	1.22E-06
AW (MFC)	AW-W049	51.54		--	--	--	--	--	2.21E+00	--	--	--	--	--	--	--	--	--	--	5.46E-08	--	--
BT	BT-T002	18.90	1.22E-02	4.01E-05	7.85E-04	1.06E+01	5.74E-05	7.40E-01	7.36E-04	1.51E-03	3.62E-02	1.17E-05	6.73E-13	1.04E+01	1.12E-11	5.74E-07	5.20E-13	7.72E-09	2.10E-03	2.65E-05	3.02E-04	1.22E-07
IN	BN004-S	283.53	2.86E+02	--	5.97E-01	1.32E-03	1.71E-01	3.52E+01	1.06E+03	2.40E+02	5.59E+02	2.05E-02	--	2.19E-03	6.60E-04	3.05E-06	1.48E-13	2.43E-01	1.33E-02	2.35E-03	2.07E-04	1.52E-03
IN	BN161-S	61.88	5.53E+01	--	--	--	1.05E-03	7.97E+00	2.34E+02	5.33E+01	1.05E+02	4.31E-03	--	--	1.16E-10	9.76E-08	3.06E-14	9.83E-08	7.29E-04	9.19E-06	4.43E-05	1.82E-11
IN	BN211-S	545.88	5.33E+02	2.77E-07	--	7.47E-07	2.98E-02	7.15E+01	2.06E+03	4.75E+02	9.03E+02	3.97E-02	--	1.24E-06	7.98E-05	1.55E-06	2.73E-13	3.04E-02	9.21E-03	6.83E-04	3.94E-04	4.60E-06
IN	BN243-S	152.72	4.08E+01	--	4.65E-01	7.60E-08	2.85E-03	4.31E+00	1.10E+02	2.45E+01	5.10E+01	2.48E-03	--	1.26E-07	4.16E-10	2.78E-07	1.41E-14	3.25E-07	1.29E-03	2.44E-04	2.04E-05	1.05E-11
IN	BN252-S	168.27	1.94E+02	--	--	2.39E-07	6.27E-02	2.89E+01	9.92E+02	2.13E+02	5.65E+02	2.28E-02	--	3.73E-07	9.82E-09	4.29E-07	1.22E-13	7.52E-06	2.94E-03	2.17E-04	1.77E-04	9.63E-11
IN	BN296-S	492.08	7.06E+02	--	4.41E-01	4.95E-06	4.51E-02	6.69E+01	1.72E+03	3.81E+02	7.40E+02	3.89E-02	--	8.73E-06	1.48E-05	1.01E-06	2.19E-13	5.64E-03	6.89E-03	1.00E+00	3.17E-04	6.48E-04
IN	BN304-S	322.14	5.74E+01	--	--	2.27E-04	2.88E-03	1.25E+04	3.04E+01	2.29E+01	7.13E+01	1.94E-02	--	4.53E-04	4.06E-10	1.46E-04	1.32E-14	3.19E-07	1.11E+00	4.40E-05	1.90E-05	2.38E-02
IN	BN510-S	2311.90	7.58E+02	--	--	1.80E-04	5.12E-02	1.56E+02	2.76E+03	5.95E+02	1.41E+03	5.06E-02	--	2.93E-04	3.06E-05	2.49E-04	3.18E-13	1.21E-02	1.03E+00	1.01E+00	4.77E-04	2.23E-02
IN	BN835-S	958.88	3.24E+01	--	--	4.33E-05	5.11E-03	1.15E+03	2.90E+00	1.84E+00	9.19E+00	1.81E-03	--	7.43E-05	7.83E-10	1.34E-05	1.06E-15	6.03E-07	1.02E-01	2.14E-07	1.53E-06	2.14E-04
IN	BN836-S	1088.64	1.59E+00	--	--	1.52E-04	1.86E-03	1.28E+03	2.37E+00	1.61E+00	1.50E+00	1.86E-03	--	2.46E-04	2.75E-10	1.38E-05	8.63E-16	2.18E-07	1.09E-01	2.83E-05	1.29E-06	1.34E-05
IN	BNINW216-S	3621.20	2.32E+04	--	--	2.49E-05	4.77E-01	9.67E+01	1.21E+03	3.03E+02	1.01E+03	1.62E-01	--	3.92E-05	5.34E-08	3.62E-05	1.74E-13	4.51E-05	1.48E-01	2.45E-02	2.52E-04	1.66E+00
IN	BNINW218-S	475.58	4.29E+01	--	--	5.58E-06	2.62E-01	1.86E+00	4.48E+01	9.21E+00	2.54E+01	1.35E-03	--	8.96E-06	4.47E-08	4.39E-06	5.68E-15	3.29E-05	1.69E-02	1.79E-03	7.93E-06	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	1.63E-01	--	--	--	3.20E-06	1.99E-02	7.32E-01	1.68E-01	2.98E-01	1.35E-05	--	--	3.58E-13	2.32E-10	9.65E-17	3.01E-10	1.77E-06	2.02E-08	1.39E-07	5.68E-14
IN	ID-RF-S3114-S	95.54	6.03E+00	--	--	7.79E-07	1.75E-04	3.74E-01	1.36E+01	2.89E+00	7.54E+00	2.58E-04	--	1.28E-06	2.09E-11	1.02E-07	1.54E-15	1.75E-08	4.34E-04	1.14E-05	2.31E-06	8.77E-05
IN	ID-RF-S3150-A-S	165.96	3.19E+01	--	--	8.07E-06	1.72E-03	4.81E+00	1.29E+02	2.85E+01	7.74E+01	2.40E-03	--	1.36E-05	2.45E-10	1.42E-04	1.64E-14	1.92E-07	5.64E-01	8.96E-05	2.37E-05	1.84E-04
IN	ID-RF-S5100-A-S	525.75	6.40E+01	--	--	4.79E-06	1.10E-03	6.82E+00	2.47E+02	5.64E+01	1.03E+02	4.74E-03	--	7.95E-06	2.71E-06	3.04E-07	3.25E-14	1.03E-03	1.50E-03	2.99E-05	4.69E-05	4.50E-06
IN	ID-RF-S5126-S	148.89	1.14E+02	--	--	5.24E-01	2.86E-03	1.56E+01	5.19E+02	1.21E+02	2.71E+02	9.90E-03	--	7.13E-06	5.63E-04	4.38E-06	6.93E-14	2.15E-01	1.80E-02	2.65E-05	1.00E-04	4.18E-11
IN	ID-RF-S5300-A-S	1429.67	8.44E+01	1.71E-08	1.89E-01	6.97E-06	3.99E-03	4.24E+00	1.57E+02	3.54E+01	4.78E+02	3.60E-03	--	9.60E-06	7.25E-04	4.96E-06	1.89E-14	2.87E-01	2.06E-02	5.40E-04	2.84E-05	8.31E-04
IN	IN-BN004	437.22	5.57E+01	--	--	--	1.08E-03	3.54E+00	1.69E+02	3.81E+01	4.09E+01	2.77E-03	--	--	2.86E-10	2.90E-07	1.26E-13	1.45E-07	8.86E-04	1.12E-05	7.60E-05	2.80E-11
IN	IN-BN161	439.30	3.94E+02	--	--	--	1.08E-02	4.61E+01	1.66E+03	3.77E+02	2.14E+02	3.06E-02	--	--	3.71E-09	2.36E-06	8.08E-13	1.73E-06	8.95E-03	1.08E-04	6.06E-04	2.49E-10
IN	IN-BN211	424.74	4.14E+02	2.15E-07	--	3.18E-07	2.67E-02	4.53E+01	1.60E+03	3.68E+02	2.01E+02	3.09E-02	--	5.22E-07	1.20E-04	3.33E-06	7.89E-13	2.37E-02	1.09E-02	5.73E-04	5.91E-04	3.58E-06
IN	IN-BN-243	347.36	4.00E+01	--	--	--	7.59E-04	4.26E+00	2.00E+02	4.42E+01	3.28E+01	8.02E-03	--	--	1.96E-10	3.50E-07	1.46E-13	1.01E-07	1.07E-03	1.55E-04	8.81E-05	9.79E-06
IN	IN-BN252	146.85	1.74E+02	--	--	1.17E-07	5.61E-02	2.07E+01	8.65E+02	1.85E+02	1.48E+02	1.99E-02	--	1.80E-07	3.10E-08	1.14E-06	3.82E-13	1.26E-05	4.19E-03	2.11E-04	2.92E-04	1.59E-10
IN	IN-BN296	925.39	1.31E+03	--	3.19E-01	5.23E-06	9.55E-02	1.03E+02	3.23E+03	7.14E+02	4.18E+02	7.31E-02	--	9.06E-06	5.26E-05	5.76E-06	1.48E-12	1.06E-02	2.11E-02	1.88E+00	1.13E-03	1.22E-03
IN	IN-BN304	222.56	3.92E+01	--	--	8.80E-05	2.31E-03	7.10E+03	2.10E+01	1.58E+01	1.48E+01	1.34E-02	--	1.72E-04	1.07E-09	3.38E-04	3.26E-14	4.55E-07	1.33E+00	3.09E-05	2.48E-05	1.65E-02
IN	IN-BN-510	11650.46	6.73E+03	3.54E-03	--	--	1.87E-01	2.54E+04	1.72E+04	4.20E+03	1.29E+04	3.37E-01	--	--	1.91E+00	7.17E-04	1.43E+00	4.87E+02	3.59E+00	4.92E-01	5.25E-03	1.26E-02
IN	IN-BN835	1219.05	2.20E-02	--	--	--	3.55E-07	5.24E+03	3.72E+00	3.79E+00	3.10E-02	6.34E-06	--	--	7.23E-14	4.18E-04	1.22E-14	4.15E-11	1.29E+00	2.43E-07	7.45E-06	6.32E-14
IN	IN-BN836	2043.09	1.53E-01	--	--	--	2.47E-06	3.74E+03	1.09E-01	5.63E-02	2.15E-01	4.94E-05	--	--	5.02E-13	2.96E-04	1.80E-16	2.88E-10	9.18E-01	7.08E-09	1.11E-07	4.92E-13
IN	IN-BNINW216	4431.23	1.79E+04	--	--	--	4.09E-01	1.82E+01	8.76E+02	1.98E+02	2.11E+02	1.43E-02	--	--	1.28E-07	1.49E-06	6.54E-13	6.05E-05	4.56E-03	5.79E-05	3.95E-04	1.45E-10
IN	IN-BNINW218	945.00	1.61E+02	--	--	--	3.30E-03	7.50E-01	3.43E+01	7.74E+00	1.10E+01	5.59E-04	--	--	8.45E-10	4.94E-08	2.12E-14	4.42E-07	1.67E-04	2.06E-06	1.40E-05	5.15E-12
IN	IN-GEM-01	7.28	3.17E+00	--	--	--	3.14E-05	2.80E-02	1.59E+00	3.63E-01	4.64E-01	1.87E-05	--	--	1.93E-12	3.78E-10	2.40E-16	2.06E-09	2.69E-06	4.69E-08	3.23E-07	8.47E-14
IN	IN-GEM-02	5.41	2.36E+00	--	--	--	2.33E-05	2.08E-02	1.18E+00	2.70E-01	3.45E-01	1.39E-05	--	--	1.44E-12	2.80E-10	1.78E-16	1.53E-09	2.00E-06	3.49E-08	2.40E-07	6.29E-14
IN	IN-ID-RF-S3114	3608.01	6.14E+02	--	--	5.03E-05	2.20E-02	3.27E+01	1.39E+03	2.95E+02	2.95E+02	2.64E-02	--	8.13E-05	7.08E-09	1.86E-05	4.79E-13	3.54E-06	4.64E-02	1.19E-03	4.12E-04	8.99E-03
IN	IN-ID-RF-S3150-A	178.88	1.61E+02	--	--	3.05E-05	9.17E-03	2.18E+00	6.41E+02	1.42E+02	2.16E+02	1.19E-02	--	5.08E-05	2.55E-09	1.01E-03	1.67E-13	1.42E-06	2.81E+00	4.53E-04	1.68E-04	9.18E-04
IN	IN-ID-RF-S5126-A	291.20	1.62E+03	--	--	4.13E+00	5.32E-02	1.79E+02	7.27E+03	1.69E+03	1.14E+03	1.39E-01	--	5.52E-05	1.49E-02	1.20E-04	3.48E-12	3.00E+00	2.67E-01	5.51E-04	2.66E-03	1.11E-09
IN	IN-ID-RF-S5300-A	12285.00	7.84E+02	1.47E-07	7.84E-01	3.86E-05	3.90E-02	3.13E+01	1.35E+03	3.03E+02	1.64E+03	3.10E-02	--	5.26E-05	1.06E-02	7.32E-05	4.71E-13	2.46E+00	1.79E-01	4.67E-03	4.14E-04	7.14E-03
IN	IN-ID-SDA-Debris	5541.33	1.64E+04	1.32E+01	--	--	6.15E-01	1.03E+03	6.42E+03	1.68E+03	--	--	--	--	8.85E-04	3.87E-03	8.89E-10	1.50E-01	6.94E+00	5.51E-01	2.87E-01	1.16E+01
IN	IN-ID-SDA-Sludge	11811.28	3.50E+04	2.82E+01	--	--	1.31E+00	2.20E+03	1.37E+04	3.59E+03	--	--	--	--	1.89E-03	8.25E-03	1.90E-09	3.20E-01	1.48E+01	1.17E+00	6.13E-01	2.48E+01
IN	IN-ID-SDA-Soil	665.60	1.97E+03	1.59E+00	--	--	7.39E-02	1.24E+02	7.71E+02	2.02E+02	--	--	--	--	1.06E-04	4.65E-04	1.07E-10	1.80E-02	8.34E-01	6.61E-02	3.45E-02	1.40E+00
IN	INW161.001-S	19.14	3.13E+01	--	--	--	2.83E-04	4.29E+00	1.57E+02	3.55E+01	8.92E+01	3.52E-03	--	--	1.70E-11	1.47E-07	2.50E-14	1.81E-08	7.33E-04	9.24E-05	3.26E-05	5.56E-06
IN	IN-W163.1007	11.47	9.99E+00	--	--	--	9.67E-05	2.21E+00	8.67E+01	1.91E+01	4.29E+01	4.22E-03	--	--	8.05E-12	6.91E-08	2.71E-14	7.14E-09	3.30E-04	3.77E-06	2.49E-05	2.80E-11
IN	IN-W167.149	383.30	2.27E+01	--	--	--	2.58E-04	3.41E+00	1.34E+02	2.94E+01	6.59E+01	5.37E-03	--	--	2.70E-11	1.07E-07	4.18E-14	2.15E-08	5.09E-04	5.80E-06	3.85E-05	3.56E-11
IN	INW169.001-S	19.14	5.47E+00	--	--	--	5.08E-05	5.34E-01	1.97E+01	4.38E+00	1.24E+01	5.91E-04	--	--	3.12E-12	9.06E-08	3.09E-15	3.29E-09	3.51E-04	7.29E-05	4.03E-06	4.37E-06
IN	IN-W181.162	80.29	4.61E+00	--	--	--	4.46E-05	6.81E-01	2.72E+01	6.15E+00	1.98E+01	4.45E-04	--	--	3.71E-12	2.13E-08	8.75E-15	3.30E-09	1.02E-04	1.18E-06	8.04E-06	2.95E-12
IN	IN-W188.160	149.11	8.48E+00	--	--	--	8.20E-05	1.87E+00	7.36E+01	1.62E+01	3.64E+01	3.00E-03	--	--	6.83E-12	5.86E-08	2.30E-14	6.06E-09	2.80E-04	3.19E-06	2.12E-05	1.99E-11
IN	INW198.001-S	49.09	7.61E+00	--	--	--	6.87E-05	9.66E-01	3.78E+01	8.42E+00	2.17E+01	8.87E-04	--	--	7.55E-07	5.34E-08	5.94E-15	2.60E-04	2.38E-04	3.68E-05	7.75E-06	5.90E-05
IN	INW211.001-S	303.92	9.32E+02	--	--	--	8.42E-03	1.07E+02	3.64E+03	8.09E+02	2.66E+03	1.40E-01	--	--	3.76E-05	2.60E-06	5.70E-13	1.30E-02	1.44E-02	1.05E-03	7.45E-04	1.47E-03
IN	INW216.001-S	1245.06	5.48E+04	--	--	--	5.82E-01	9.06E+01	3.26E+03	7.30E+02	2.22E+03	1.18E-01	--	--	1.00E-04	1.80E-04	5.49E-13	3.35E-02	6.31E-01	1.03E-01	6.94E-04	3.89E+00

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	INW218.001-S	1110.87	8.21E+02	--	--	--	8.58E-03	1.35E+01	4.97E+02	1.11E+02	3.34E+02	1.70E-02	--	--	3.34E-05	2.66E-04	8.34E-14	1.11E-02	9.26E-01	1.02E-01	1.05E-04	8.74E+00
IN	IN-W219.110	7.70	1.60E+00	--	--	--	1.55E-05	2.36E-01	9.46E+00	2.14E+00	6.87E+00	1.54E-04	--	--	1.29E-12	7.38E-09	3.04E-15	1.14E-09	3.53E-05	4.11E-07	2.80E-06	1.03E-12
IN	IN-W219.914	1.89	1.30E-01	--	--	--	1.25E-06	1.91E-02	7.66E-01	1.73E-01	5.57E-01	1.25E-05	--	--	1.04E-13	5.96E-10	2.47E-16	9.27E-11	2.85E-06	3.33E-08	2.27E-07	8.32E-14
IN	INW222.001-S	65.10	6.59E+01	--	--	--	6.00E-04	8.04E+00	2.84E+02	6.37E+01	1.78E+02	7.40E-03	--	--	3.62E-11	3.55E-07	4.49E-14	3.85E-08	1.66E-03	1.13E-04	5.86E-05	7.02E-03
IN	IN-W222.116	259.02	1.08E+02	--	--	--	1.06E-03	2.36E+01	9.24E+02	2.03E+02	4.58E+02	3.70E-02	--	--	8.90E-11	7.38E-07	2.89E-13	7.85E-08	3.52E-03	4.01E-05	2.66E-04	2.46E-10
IN	INW243.001-S	74.88	8.44E+01	--	--	--	8.22E-04	8.29E+00	2.37E+02	5.28E+01	1.57E+02	6.81E-03	--	--	7.41E-06	6.58E-07	3.97E-14	2.47E-03	2.70E-03	4.55E-04	5.01E-05	3.17E-04
IN	INW247.001R1-S	116.90	1.07E+02	--	--	--	9.98E-04	1.97E+01	4.15E+02	9.44E+01	2.86E+02	7.92E-03	--	--	2.26E-05	3.12E-07	7.09E-14	7.54E-03	2.06E-03	1.91E-05	8.98E-05	3.82E-11
IN	INW252.001-S	60.94	7.55E+01	--	--	--	6.49E-04	9.73E+00	3.01E+02	6.83E+01	2.89E+02	6.81E-03	--	--	3.73E-11	3.55E-07	4.82E-14	4.05E-08	1.74E-03	2.34E-04	6.29E-05	3.19E-11
IN	IN-W263.520	280.07	7.74E-02	--	--	--	7.49E-07	2.89E+02	1.90E+01	3.01E-02	3.32E-01	2.64E-05	--	--	6.23E-14	9.02E-06	4.28E-17	5.53E-11	4.31E-02	8.24E-07	3.94E-08	1.75E-13
IN	IN-W267.1005	11.47	1.80E+01	--	--	--	1.74E-04	3.99E+00	1.56E+02	3.42E+01	7.73E+01	8.05E-03	--	--	1.45E-11	1.25E-07	4.87E-14	1.29E-08	5.95E-04	6.76E-06	4.48E-05	5.35E-11
IN	INW276.001-S	10.19	7.11E+00	--	--	--	7.07E-05	1.86E+00	3.17E+01	7.23E+00	2.21E+01	6.55E-04	--	--	5.42E-12	3.73E-08	6.88E-15	5.08E-09	2.20E-04	1.39E-06	7.73E-06	3.56E-12
IN	INW276.002-S	16.02	1.12E+01	--	--	--	1.09E-04	2.81E+00	4.77E+01	1.08E+01	3.47E+01	9.82E-04	--	--	2.39E-06	5.39E-08	9.75E-15	7.30E-04	3.25E-04	2.41E-06	1.13E-05	5.18E-12
IN	INW276.003-S	186.58	4.23E+02	--	--	--	3.91E-03	1.04E+02	1.73E+03	3.92E+02	1.40E+03	3.66E-02	--	--	1.61E-04	1.77E-06	3.14E-13	5.21E-02	1.13E-02	9.53E-05	3.84E-04	1.12E-06
IN	INW276.004-S	46.80	9.92E+01	--	--	--	9.34E-04	2.18E+01	3.67E+02	8.34E+01	2.94E+02	7.65E-03	--	--	1.40E-04	4.01E-07	6.66E-14	4.53E-02	2.47E-03	4.03E-05	8.17E-05	3.81E-11
IN	INW296.001-S	97.76	1.77E+02	--	--	--	1.71E-03	2.32E+01	5.13E+02	1.16E+02	3.57E+02	1.10E-02	--	--	3.04E-05	5.53E-07	8.72E-14	1.01E-02	3.07E-03	1.68E-04	1.10E-04	3.96E-04
IN	IN-W315.601	34.41	2.08E+03	--	--	--	3.07E-02	7.07E-01	2.83E+01	6.41E+00	2.06E+01	4.61E-04	--	--	4.11E-09	2.21E-08	9.11E-15	2.97E-06	1.06E-04	1.23E-06	8.37E-06	3.06E-12
IN	IN-W319.584	4.79	2.78E+00	--	--	--	2.69E-05	6.16E-01	2.40E+01	5.29E+00	1.19E+01	1.40E-03	--	--	2.24E-12	1.92E-08	7.52E-15	1.99E-09	9.19E-05	1.04E-06	6.92E-06	9.29E-12
IN	IN-W321.1023	11.47	2.41E+01	--	--	--	2.33E-04	5.32E+00	2.09E+02	4.59E+01	1.03E+02	6.77E-03	--	--	1.94E-11	1.66E-07	6.53E-14	1.72E-08	7.94E-04	9.05E-06	6.00E-05	4.49E-11
IN	IN-W322.851	1.89		--	--	--	--	--	9.12E+00	1.88E+00	--	--	--	--	--	--	2.67E-15	--	--	2.48E-04	2.46E-06	--
IN	IN-W322.952	1.66		--	--	--	--	--	2.43E+01	5.03E+00	--	--	--	--	--	--	7.15E-15	--	--	6.60E-04	6.57E-06	--
IN	IN-W323.562	1.89	8.15E-02	--	--	--	7.88E-07	9.59E-01	2.49E-01	--	3.50E-01	--	--	--	6.57E-14	3.00E-08	--	5.83E-11	1.43E-04	9.58E-05	--	--
IN	IN-W323.951	1.46	6.74E-01	--	--	--	6.52E-06	7.96E-02	2.08E+00	--	2.90E+00	--	--	--	5.43E-13	2.49E-09	--	4.82E-10	1.19E-05	7.98E-04	--	--
IN	IN-W332.661	4.79		--	--	--	--	1.19E+01	1.19E-01	--	--	--	--	--	--	3.71E-07	--	--	1.77E-03	5.17E-09	--	--
IN	IN-W337.673	0.21		--	--	--	--	--	3.04E+00	6.28E-01	--	--	--	--	--	--	8.93E-16	--	--	8.24E-05	8.21E-07	--
IN	IN-W337.957	1.89		--	--	--	--	--	9.12E+00	1.88E+00	--	--	--	--	--	--	2.67E-15	--	--	2.48E-04	2.46E-06	--
IN	IN-W342.652	1.89	4.33E+00	--	--	--	6.40E-05	--	4.02E-02	2.06E-16	--	--	8.86E-14	--	8.56E-12	--	--	6.19E-09	--	1.75E-09	8.97E-23	--
IN	IN-W342.953	0.42	2.89E+00	--	--	--	4.27E-05	--	2.68E-02	1.38E-16	--	--	5.92E-14	--	5.72E-12	--	--	4.14E-09	--	1.17E-09	5.99E-23	--
IN	IN-W347.818	153.90	2.51E+00	--	--	--	3.71E-05	--	7.64E+01	1.36E+02	--	--	--	--	4.96E-12	2.41E-11	2.86E-05	3.59E-09	1.22E-07	9.52E-05	1.77E-04	9.77E-04
IN	IN-W348.1012	22.94	4.46E+01	--	--	--	4.32E-04	9.82E+00	3.85E+02	8.47E+01	1.91E+02	1.53E-02	--	--	3.61E-11	3.07E-07	1.20E-13	3.20E-08	1.47E-03	1.67E-05	1.11E-04	1.02E-10
IN	IN-W353.917	0.21		--	--	--	6.92E-05	--	2.49E-02	--	--	--	--	--	2.73E-11	--	--	1.32E-08	--	1.08E-09	--	--
IN	IN-W357.1022	4.79	8.71E-02	--	--	--	8.42E-07	1.92E-02	7.51E-01	1.65E-01	3.74E-01	3.42E-05	--	--	7.01E-14	6.00E-10	2.35E-16	6.22E-11	2.87E-06	3.26E-08	2.16E-07	2.27E-13
IN	IN-W358.854	1.89		--	--	--	--	3.07E+02	1.88E+00	3.61E+00	--	--	--	--	--	6.92E-06	3.83E-15	--	3.85E-02	7.06E-08	4.08E-06	--
IN	IN-W358.855	3.33		--	--	--	--	1.64E+03	1.00E+01	1.92E+01	--	--	--	--	--	3.70E-05	2.04E-14	--	2.06E-01	3.76E-07	2.17E-05	--
IN	IN-W358.948	0.21		--	--	--	--	3.41E+02	2.09E+00	4.01E+00	--	--	--	--	--	7.70E-06	4.25E-15	--	4.29E-02	7.84E-08	4.52E-06	--
IN	IN-W361.1021	11.47	8.45E+00	--	--	--	8.19E-05	1.86E+00	7.29E+01	1.61E+01	3.61E+01	2.84E-03	--	--	6.85E-12	5.82E-08	2.29E-14	6.07E-09	2.78E-04	3.17E-06	2.10E-05	1.89E-11
IN	IN-W362.1020	45.88	1.10E+02	--	--	--	1.06E-03	2.43E+01	9.53E+02	2.10E+02	4.72E+02	3.62E-02	--	--	8.85E-11	7.59E-07	2.98E-13	7.85E-08	3.63E-03	4.14E-05	2.74E-04	2.40E-10
IN	IN-W363.1019	4.79	5.17E+00	--	--	--	5.00E-05	1.14E+00	4.49E+01	9.82E+00	2.22E+01	1.52E-03	--	--	4.16E-12	3.57E-08	1.40E-14	3.69E-09	1.71E-04	1.95E-06	1.28E-05	1.01E-11
IN	IN-W364.1011	4.79	8.52E+00	--	--	--	8.24E-05	1.88E+00	7.37E+01	1.62E+01	3.66E+01	3.78E-03	--	--	6.86E-12	5.89E-08	2.30E-14	6.09E-09	2.81E-04	3.20E-06	2.12E-05	2.51E-11
IN	IN-W365.1010	11.47	3.38E+02	--	--	--	4.96E-03	1.50E+00	5.88E+01	1.29E+01	2.91E+01	2.49E-03	--	--	6.60E-10	4.68E-08	1.83E-14	4.79E-07	2.24E-04	2.55E-06	1.69E-05	1.65E-11
IN	IN-W366.841	16.26	6.92E+00	--	--	--	7.29E-05	1.27E+00	4.97E+01	1.09E+01	2.46E+01	1.92E-03	--	--	6.95E-12	3.98E-08	1.55E-14	5.79E-09	1.90E-04	2.16E-06	1.43E-05	1.27E-11
IN	IN-W372.832	1.89	4.33E+00	--	--	--	6.40E-05	--	4.02E-02	2.06E-16	--	--	8.86E-14	--	8.56E-12	--	--	6.19E-09	--	1.75E-09	8.97E-23	--
IN	IN-W375.1096	199.78	2.13E+00	--	--	--	2.06E-05	4.70E-01	1.84E+01	4.06E+00	9.13E+00	7.39E-04	--	--	1.71E-12	1.47E-08	5.77E-15	1.52E-09	7.02E-05	8.00E-07	5.30E-06	4.91E-12
KN	KN-B234PCBTRU	0.42	6.84E-03	--	--	--	6.81E-08	8.73E-04	1.32E-02	4.44E-03	5.27E-03	4.78E-07	--	--	5.50E-08	3.65E-10	3.45E-08	1.89E-05	1.35E-06	6.07E-08	4.08E-09	6.91E-07
KN	KN-B234TRU	968.06	3.51E+02	--	--	--	3.49E-03	4.48E+01	6.81E+02	2.29E+02	2.70E+02	1.77E-03	--	--	1.89E-04	1.92E-06	1.26E-04	6.50E-02	9.04E-03	2.39E-04	2.11E-04	1.73E-02
LA	LA-LAMHD01	241.23	1.19E+03	3.12E-02	1.03E-02	1.91E-05	2.19E-02	1.41E+03	6.79E+03	1.66E+03	2.27E+03	3.39E+00	3.03E-06	1.89E-05	5.18E-04	1.10E-04	8.70E-07	1.03E-01	3.52E-01	7.80E-04	2.69E-03	7.13E-03
LA	LA-LAMHD02238	368.09	1.92E+01	--	--	--	1.56E-04	1.55E+04	1.28E+01	6.48E+00	8.80E+01	5.56E-03	--	--	8.20E-12	3.65E-04	4.28E-15	9.27E-09	2.07E+00	3.77E-07	5.78E-06	2.52E-11
LA	LA-LAMHD03	5.62	5.92E+00	9.71E-06	--	--	1.61E-04	1.66E+02	8.56E+00	2.14E+00	2.72E+00	1.37E-03	8.72E-10	--	5.33E-11	8.69E-06	5.27E-15	2.53E-08	3.27E-02	2.84E-06	3.69E-06	2.89E-07
LA	LA-LAMIN02V	42.92	6.68E+01	--	--	--	5.20E-04	9.00E+00	3.87E+02	9.16E+01	3.30E+02	5.19E-03	--	--	2.55E-11	1.13E-07	5.65E-14	2.98E-08	8.32E-04	1.11E-05	7.88E-05	2.27E-11
LA	LA-LAMIN03NC	0.62	2.48E+00	--	--	--	1.86E-05	3.39E-01	1.44E+01	3.42E+00	1.29E+01	1.94E-04	--	--	8.50E-13	3.93E-09	1.97E-15	1.03E-09	3.01E-05	3.99E-07	2.84E-06	8.19E-13
LA	LA-LAMIN04S	322.24	3.19E+03	--	--	--	2.67E-02	3.53E+02	1.02E+04	2.60E+03	1.05E+04	1.62E+00	7.88E-07	--	1.40E-09	4.42E-06	1.60E-12	1.59E-06	3.26E-02	2.92E-04	2.24E-03	7.08E-09
LA	LA-LA-NCD01	434.62	3.05E+02	9.20E-04	--	--	8.82E-03	1.54E+03	1.63E+03	3.94E+02	1.31E+03	2.40E-02	--	--	1.29E-09	2.57E-05	2.60E-13	9.74E-07	1.66E-01	1.67E-02	3.51E-04	2.05E-04
LA	LA-LANHD01	269.76	4.62E+02	--	--	--	5.90E-03	9.19E+02	2.51E+03	5.93E+02	9.43E+02	3.42E-02	--	--	7.35E-10	1.12E-04	9.22E-13	5.41E-07	3.39E-01	3.97E-04	8.11E-04	3.28E-06
LA	LA-LANHD02238	2245.18	3.25E+02	1.04E-04	--	--	5.24E-03	2.35E+05	2.08E+02	1.05E+02	9.24E+02	8.88E-02	--	--	8.85E-10	8.67E-03	1.23E-13	5.77E-07	3.90E+01	8.21E-06	1.25E-04	5.36E-10
LA	LA-LANIN03NC	1119.02	7.53E+03	3.25E+00	--	--	1.03E+00	2.75E+04	3.72E+04	9.16E+03	3.51E+04	6.65E-01	--	--	1.68E-07	3.44E-04	5.65E-12	1.25E-04	2.54E+00	1.06E-03	7.89E-03	2.91E-09
LA	LA-MHD01.001-S	487.32	9.61E+03	8.39E-01	1.12E+00	3.97E-04	2.30E-01	3.14E+03	4.11E+04	1.93E+03	7.32E+04	1.45E+00	--	5.14E-01	1.33E-03	8.69E-03	4.52E-06	5.08E-01	9.86E-01	3.42E-03	1.60E-03	2.20E-03
LA	LA-MHD02.001-S	13.52	1.87E+00	4.00E-05	--	1.31E-06	9.89E-05	1.44E+03	1.39E+00	6.99E-01	1.86E+00	7.18E-04	--	1.28E-06	6.48E-09	9.60E-05	3.74E-16	2.57E-06	4.54E-01	6.69E-07	5.61E-07	2.92E-12
LA	LA-MHD02238	0.21	1.36E-02	--	--	--	1.01E-07	1.15E+01	8.71E-03	4.44E-03	8.07E-02	3.57E-06	--	--	4.70E-15	1.45E-07	2.74E-18	5.61E-12	1.07E-03	2.49E-10	3.82E-09	1.56E-14
LA	LA-MHD03.001-S	47.01	1.26E+01	3.09E-03	--	1.04E-03	3.06E-03	4.57E+01	2.50E+01	7.06E+00	3.09E+01	2.57E-03	--	1.02E-03	4.43E-10	2.32E-06	3.78E-15	3.52E-07	1.14E-02	2.56E-05	5.66E-06	1.50E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-MIN03-NC.001-S	248.69	1.34E+02	2.93E-04	--	1.93E-02	3.02E-03	4.90E+00	1.08E+02	1.57E+01	6.97E+01	1.58E-02	--	1.43E-02	8.48E-10	2.46E-06	9.04E-15	4.83E-07	9.97E-03	2.49E-04	1.31E-05	7.93E-05
LA	LA-OS-00-01	118.14	1.24E+04	--	--	2.01E+00	1.36E-01	9.76E+02	--	--	--	--	--	--	1.02E-08	1.62E-05	--	9.85E-06	1.04E-01	--	--	--
LA	LA-OS-00-01.001-S	75.71	4.76E+02	--	--	8.32E-02	4.20E-03	5.23E+03	6.96E+02	2.08E+02	1.92E+02	5.65E-02	--	7.02E-02	7.99E-10	1.88E-04	1.11E-13	4.80E-07	9.90E-01	4.75E-05	1.67E-04	9.82E-07
LA	LA-OS-00-01-S	0.42	2.65E+00	--	--	1.41E-04	3.84E-05	1.41E+00	4.78E+00	4.85E+00	1.60E+00	9.65E-05	--	1.29E-04	4.03E-12	9.33E-02	3.42E-15	3.37E-09	1.41E-04	1.46E-07	4.46E-06	4.51E-13
LA	LA-OS-00-03	14.56	2.44E+01	--	--	--	2.68E-04	--	--	--	--	--	--	--	2.01E-11	--	--	1.94E-08	--	--	--	--
LA	LA-PX-00-01	0.62	1.21E-02	--	--	--	1.33E-07	3.90E-03	5.60E-02	1.31E-02	2.28E-02	--	--	--	1.15E-14	8.29E-11	1.32E-17	1.02E-11	4.75E-07	2.04E-09	1.44E-08	--
LA	LA-TA-00-01	322.96	3.48E+01	8.17E-03	8.44E+00	--	5.99E-03	3.33E+02	1.11E+02	2.09E+01	2.14E+01	1.04E-01	1.06E-04	--	7.02E-06	2.28E-05	1.10E-07	1.21E-03	7.56E-02	7.84E-06	3.85E-05	7.62E-05
LA	LA-TA-00-02	0.21	1.45E+00	--	--	--	1.33E-05	1.81E+00	1.07E-02	1.75E-01	5.44E+00	1.15E-01	1.61E-07	--	8.94E-13	3.19E-08	1.48E-16	8.93E-10	2.00E-04	3.59E-10	1.76E-07	5.91E-10
LA	LA-TA-03-01	0.21	4.66E-02	--	--	--	7.03E-06	4.17E-03	1.83E-01	4.34E-02	1.35E-01	2.46E-06	--	--	1.40E-12	6.46E-11	3.26E-17	9.45E-10	4.31E-07	5.79E-09	4.13E-08	1.19E-14
LA	LA-TA-03-03	13.52	8.29E-01	9.17E-04	--	9.81E-07	8.56E-04	9.80E+00	4.16E+00	9.87E-01	2.83E+00	5.90E-05	--	9.61E-07	1.03E-07	2.09E-07	8.38E-16	1.26E-07	1.20E-03	8.46E-06	9.97E-07	4.82E-08
LA	LA-TA-03-04	0.42	1.05E-01	--	--	--	1.86E-05	1.44E+00	2.88E-01	6.84E-02	2.31E-01	4.30E-06	--	--	3.51E-12	2.08E-08	4.82E-17	2.44E-09	1.43E-04	8.80E-09	6.30E-08	2.01E-14
LA	LA-TA-03-05	3.14	5.08E-02	--	--	--	1.48E-05	2.59E-01	2.44E-01	5.87E-02	1.63E-01	3.64E-06	--	--	3.40E-12	4.58E-09	4.98E-17	2.15E-09	2.87E-05	1.34E-05	5.93E-08	3.74E-05
LA	LA-TA-03-06	0.21	2.20E-01	2.75E-04	--	--	3.37E-05	2.02E-01	3.00E-01	7.11E-02	2.22E-01	4.09E-06	--	--	6.70E-12	3.13E-09	5.34E-17	4.52E-09	2.09E-05	9.47E-09	6.76E-08	1.98E-14
LA	LA-TA-03-07	3.74	3.10E-01	4.69E-04	--	1.08E-06	5.73E-04	6.79E-02	1.55E+00	3.41E-01	1.03E+00	2.09E-05	--	5.49E-07	1.27E-10	1.12E-09	2.72E-16	8.20E-08	7.26E-06	6.33E-06	3.34E-07	6.13E-08
LA	LA-TA-03-08	37.80	3.50E-01	6.40E-04	--	2.59E-05	6.76E-05	2.89E+00	3.25E-01	5.59E-02	1.63E-01	3.96E-06	--	--	1.71E-11	5.80E-08	5.32E-17	1.03E-08	3.42E-04	1.94E-04	5.98E-08	5.67E-04
LA	LA-TA-03-09	33.15	2.39E+01	4.75E-03	--	2.82E-06	5.53E-02	7.70E+00	2.47E+01	5.87E+00	1.66E+01	1.02E-02	1.08E-08	--	1.46E-08	1.54E-07	5.59E-15	8.64E-06	9.10E-04	1.15E-04	6.28E-06	3.97E-05
LA	LA-TA-03-10	485.93	4.14E+01	6.31E-02	--	3.05E-06	2.34E-02	4.47E+02	1.40E+02	3.29E+01	1.00E+02	2.06E-03	--	--	5.12E-09	7.41E-06	2.63E-14	3.32E-06	4.78E-02	1.23E-03	3.23E-05	1.45E-04
LA	LA-TA-03-12	200.53	3.17E+01	1.52E-02	8.76E-03	1.60E-04	1.48E-03	1.78E+02	7.47E+01	1.86E+01	2.44E+01	2.93E-02	2.36E-08	1.08E-04	8.41E-10	1.58E-05	1.10E-08	3.17E-07	4.70E-02	1.79E-03	5.35E-05	9.15E-06
LA	LA-TA-03-13	23.30	4.34E+00	1.69E-04	--	1.37E-05	6.91E-04	4.74E+01	2.09E+01	4.80E+00	7.51E+00	3.59E-04	--	1.21E-05	2.35E-10	2.48E-06	1.34E-14	1.21E-07	9.73E-03	7.54E-05	9.46E-06	2.81E-07
LA	LA-TA-03-14	56.77	8.71E+00	4.96E-03	--	5.09E-03	5.57E-04	7.64E+01	1.61E+01	4.28E+00	4.96E+00	1.13E-02	1.00E-08	7.25E-02	3.47E-10	5.76E-06	2.45E-14	1.27E-07	1.83E-02	1.62E-04	1.19E-05	5.02E-06
LA	LA-TA-03-15	8.94	1.44E+00	4.97E-03	--	5.05E-06	1.45E-04	6.45E+00	1.92E+00	4.56E-01	1.01E+00	2.26E-03	1.75E-09	5.01E-06	4.73E-11	2.53E-07	1.95E-15	2.47E-08	1.10E-03	5.92E-06	1.22E-06	8.45E-07
LA	LA-TA-03-16	28.29	4.79E+00	--	--	--	1.00E-03	9.83E+00	1.43E+01	5.71E+00	1.42E+01	1.65E-03	--	--	5.07E-10	5.05E-07	1.09E-14	2.15E-07	1.92E-03	7.17E-07	8.65E-06	1.27E-11
LA	LA-TA-03-18	0.62		--	1.58E+01	--	--	--	6.23E-03	4.05E-01	--	--	--	--	--	--	5.82E-16	--	--	3.75E-10	4.99E-07	--
LA	LA-TA-03-19	51.17	1.46E+00	--	--	2.72E-05	4.93E-05	3.55E+01	4.38E+00	1.48E+00	2.39E+00	5.06E-04	--	2.67E-05	2.53E-11	2.43E-06	4.18E-15	9.77E-09	8.06E-03	2.68E-07	2.72E-06	4.73E-12
LA	LA-TA-03-20	24.54	1.30E+00	--	--	--	1.48E-03	3.69E+02	6.57E+00	1.89E+00	2.98E+00	3.50E-04	--	--	9.35E-10	2.02E-05	4.35E-15	3.57E-07	7.43E-02	3.63E-07	3.14E-06	2.96E-12
LA	LA-TA-03-21	98.66	5.32E-01	--	--	--	2.36E-04	2.12E+01	3.65E+00	9.14E-01	8.47E-01	9.45E-05	--	--	1.74E-10	1.40E-06	2.50E-15	6.14E-08	4.71E-03	2.20E-07	1.66E-06	8.69E-13
LA	LA-TA-03-23	68.66	1.28E-02	--	--	--	1.83E-07	1.22E+00	1.17E-01	2.74E-02	2.42E-02	1.84E-06	--	--	3.01E-14	7.72E-08	7.24E-17	1.91E-11	2.65E-04	6.91E-09	4.88E-08	1.67E-14
LA	LA-TA-03-24	9.36	2.59E+00	--	--	--	4.05E-04	8.02E+00	9.99E+00	3.41E+00	4.44E+00	7.80E-04	--	--	2.94E-10	5.49E-07	9.65E-15	1.03E-07	1.82E-03	6.11E-07	6.29E-06	7.30E-12
LA	LA-TA-03-25	0.21	5.49E-03	--	--	--	5.61E-08	1.12E-03	5.47E-02	1.28E-02	2.12E-02	7.40E-07	--	--	5.15E-15	3.87E-11	1.98E-17	4.36E-12	1.76E-07	2.48E-09	1.75E-08	5.14E-15
LA	LA-TA-03-26	6.66	4.56E-01	--	--	--	6.80E-06	1.18E+01	4.66E+01	1.01E+00	7.82E-01	6.06E-05	--	--	1.21E-12	1.10E-05	2.41E-13	7.39E-10	2.09E-02	3.73E-03	7.97E-05	5.31E-06
LA	LA-TA-03-28	6.03	5.20E-01	--	--	--	7.71E-06	2.30E+00	4.15E+00	7.66E-01	8.89E-01	1.07E-04	--	--	1.34E-12	1.40E-07	1.96E-15	8.32E-10	4.89E-04	2.42E-07	1.34E-06	9.52E-13
LA	LA-TA-03-29	0.42	7.83E-02	--	--	--	9.33E-07	1.49E+02	1.12E-01	4.39E-02	2.21E-01	3.16E-05	--	--	1.12E-13	6.78E-06	8.71E-17	8.31E-11	2.71E-02	5.77E-09	6.78E-08	2.48E-13
LA	LA-TA-03-30	7.77	8.68E-02	1.46E-06	--	3.56E-06	2.93E-06	5.58E-02	5.31E-02	1.68E-02	1.58E-02	9.72E-07	--	--	1.28E-12	3.40E-09	4.30E-17	5.36E-10	1.19E-05	3.51E-07	2.95E-08	8.65E-15
LA	LA-TA-03-31	0.21	1.19E-01	--	--	--	1.28E-06	2.37E-02	1.18E+00	2.74E-01	4.14E-01	1.59E-05	--	--	1.29E-13	9.00E-10	4.64E-16	1.04E-10	3.92E-06	5.57E-08	3.91E-07	1.15E-13
LA	LA-TA-03-32	0.21		--	--	--	--	--	1.78E-01	--	--	--	--	--	--	--	--	--	--	2.31E-05	--	--
LA	LA-TA-03-33	2.10	2.61E-04	--	--	5.25E-07	1.84E-04	--	--	--	--	--	--	--	1.35E-10	5.49E-13	--	4.81E-08	2.04E-09	--	--	1.20E-05
LA	LA-TA-03-34	39.69	1.54E-02	--	--	7.07E-08	1.94E-07	2.43E+00	3.83E-02	4.28E-03	8.29E-03	2.48E-07	--	--	1.98E-14	5.79E-08	4.78E-18	1.64E-11	3.14E-04	2.66E-06	4.96E-09	6.16E-06
LA	LA-TA-03-40	28.35		--	--	--	--	4.54E-01	7.56E+00	--	--	--	--	--	--	2.16E-08	--	--	8.48E-05	3.12E-05	--	--
LA	LA-TA-03-42	96.39	3.51E-03	--	--	--	4.38E-08	1.00E-01	6.01E-01	7.92E-03	8.95E-03	4.59E-07	--	--	5.72E-15	4.97E-09	1.70E-17	4.07E-12	1.91E-05	3.20E-08	1.27E-08	3.74E-15
LA	LA-TA-21-05	0.42	1.15E-01	--	--	--	1.64E-06	2.02E-02	1.04E+00	2.48E-01	2.17E-01	1.67E-05	--	--	2.70E-13	1.28E-09	6.55E-16	1.72E-10	4.40E-06	1.97E-05	4.42E-07	1.51E-13
LA	LA-TA-21-06	256.90	4.12E+01	--	--	--	5.89E-04	1.20E+04	2.04E+02	6.16E+01	7.79E+01	1.13E-02	--	--	9.70E-11	7.63E-04	1.63E-13	6.17E-08	2.62E+00	9.43E-04	1.10E-04	1.02E-10
LA	LA-TA-21-07	678.79	1.96E+01	1.27E-11	--	--	2.92E-04	8.60E+03	2.04E+02	3.91E+01	3.35E+01	3.41E-03	--	--	5.17E-11	5.89E-04	1.11E-13	3.17E-08	1.95E+00	4.26E-05	7.21E-05	2.01E-03
LA	LA-TA-21-08	3.54	4.63E-01	--	--	--	6.62E-06	7.30E+01	2.70E+00	7.57E-01	8.76E-01	1.12E-04	--	--	1.09E-12	4.63E-06	2.00E-15	6.93E-10	1.59E-02	1.60E-07	1.35E-06	1.02E-12
LA	LA-TA-21-09	4.37	3.46E-01	--	--	--	7.78E-05	1.20E+03	3.59E-01	8.36E-02	7.09E-02	3.95E-04	--	--	5.37E-11	7.61E-05	2.21E-16	1.94E-08	2.61E-01	2.12E-08	1.49E-07	3.57E-12
LA	LA-TA-21-10	0.21		--	--	--	--	--	5.03E-01	--	--	--	--	--	--	--	--	--	--	2.88E-08	--	--
LA	LA-TA-21-11	24.57		--	--	--	--	4.20E-01	2.11E+01	--	--	--	--	--	--	2.77E-08	--	--	9.34E-05	1.27E-06	--	--
LA	LA-TA-21-12	202.87	7.57E+01	--	--	--	1.09E-03	3.58E+04	2.76E+02	9.08E+01	1.40E+02	2.28E-02	--	--	2.30E-01	2.18E-03	2.32E-13	4.17E+01	7.64E+00	2.07E-03	1.59E-04	2.03E-10
LA	LA-TA-21-13	2934.38	1.24E+04	--	--	--	2.61E-01	1.47E+02	1.23E+02	--	--	--	--	--	6.98E-08	1.35E-05	1.10E-04	3.58E-05	3.96E-02	2.40E-02	--	1.12E-02
LA	LA-TA-21-14	85.39		--	--	--	--	--	9.30E+00	--	--	--	--	--	--	--	--	--	--	5.05E-07	--	--
LA	LA-TA-21-15	3.54	3.64E-01	--	--	--	5.09E-06	6.45E-02	4.72E+00	8.13E-01	7.23E-01	4.72E-05	--	--	8.08E-13	3.93E-09	2.08E-15	5.23E-10	1.38E-05	2.75E-07	1.43E-06	4.20E-13
LA	LA-TA-21-16	79.87	7.33E+01	--	--	--	1.03E-03	1.68E+01	6.33E+02	1.51E+02	1.45E+02	1.24E-02	--	--	1.64E-10	1.03E-06	3.86E-13	1.06E-07	3.59E-03	3.33E-03	2.64E-04	1.11E-10
LA	LA-TA-21-17	0.62	2.75E-03	--	--	--	3.93E-08	4.83E-04	2.63E-02	6.14E-03	5.20E-03	3.56E-07	--	--	6.48E-15	3.06E-11	1.62E-17	4.12E-12	1.05E-07	1.56E-09	1.09E-08	3.22E-15
LA	LA-TA-21-18	15.12	1.19E+02	--	--	--	3.09E-03	2.06E+01	1.29E+02	5.16E+01	1.94E+02	2.88E-04	--	--	1.09E-09	1.02E-06	1.11E-13	5.00E-07	3.93E-03	6.88E-06	8.29E-05	2.35E-12
LA	LA-TA-21-40	1097.45	5.69E-01	--	--	2.99E-07	2.24E-05	1.10E+03	3.34E+02	8.85E-01	4.20E-01	5.15E-05	1.75E-04	1.85E-06	2.62E-08	5.45E-05	1.90E-15	5.18E-06	2.09E-01	1.78E-05	1.42E-06	1.36E-06
LA	LA-TA-21-41	22.68		--	--	--	--	--	1.83E+01	--	--	--	--	--	--	--	--	--	--	9.73E-07	--	--
LA	LA-TA-21-42	103.95	7.41E+00	--	--	--	2.59E-04	3.66E+00	2.11E+01	--	4.16E+00	--	--	--	1.03E-10	1.82E-07	--	4.57E-08	6.98E-04	4.31E-05	--	--
LA	LA-TA-48-01	8.32	2.43E-01	2.08E-05	--	2.63E-04	1.22E-04	3.98E-01	6.10E-01	1.52E-01	4.88E-01	4.27E-06	--	--	2.36E-05	1.12E-08	1.07E-16	8.13E-03	5.91E-05	1.87E-08	1.40E-07	2.03E-14
LA	LA-TA-50-01	0.83	1.55E-02	7.16E-06	--	6.51E-04	1.66E-07	1.79E-04	8.69E-04	--	--	--	--	--	1.18E-14	5.17E-08	--	1.17E-11	1.85E-04	3.42E-06	--	--

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-50-02	0.62	2.88E-02	--	--	1.58E-07	5.23E-07	2.84E-01	3.50E-02	--	5.16E-02	--	--	--	6.90E-14	4.39E-09	--	5.26E-11	2.93E-05	3.26E-07	--	--
LA	LA-TA-50-05	0.21	1.70E-02	--	--	--	1.71E-07	2.56E-02	1.48E-01	3.95E-03	8.91E-03	--	--	--	1.11E-14	3.70E-10	2.78E-18	1.15E-11	2.55E-06	7.51E-09	3.63E-09	--
LA	LA-TA-50-06	3.55	1.14E+01	--	--	--	1.48E-04	2.52E+00	3.66E+00	2.17E+00	1.47E+01	3.02E-03	--	--	1.75E-11	7.48E-08	2.95E-15	1.33E-08	3.66E-04	1.55E-07	2.78E-06	1.96E-11
LA	LA-TA-50-10	21.01	1.89E+01	--	--	--	1.85E-04	1.48E+02	1.01E+02	2.40E+01	6.34E+01	1.49E-03	--	--	1.40E-11	3.08E-06	2.29E-14	1.32E-08	1.78E-02	3.80E-04	2.57E-05	1.35E-02
LA	LA-TA-50-11	1.04	2.98E-01	--	--	--	3.90E-06	5.17E-02	2.52E+00	5.70E-01	6.76E-01	3.30E-05	--	--	5.46E-13	2.46E-09	1.18E-15	3.76E-10	9.66E-06	1.32E-07	8.98E-07	2.64E-13
LA	LA-TA-50-12	13.21	1.58E-02	--	--	--	4.12E-07	1.57E-01	9.32E-02	--	3.43E-03	--	--	--	1.39E-13	4.84E-08	--	6.49E-11	1.90E-04	5.15E-09	--	1.00E+00
LA	LA-TA-50-13	0.21		--	--	--	--	7.24E-03	--	--	--	--	--	--	--	2.50E-10	--	--	1.14E-06	--	--	--
LA	LA-TA-50-14	0.42	5.20E-02	--	--	--	9.32E-07	2.48E-03	1.55E-02	--	--	--	--	--	1.82E-13	1.18E-10	--	1.09E-10	4.64E-07	8.13E-10	--	--
LA	LA-TA-50-15	142.15	1.45E+01	--	--	5.13E-01	2.29E-04	2.04E+02	3.72E+01	8.23E+00	1.11E+01	5.36E-04	--	4.13E-01	3.85E-11	9.11E-06	2.12E-14	2.47E-08	3.68E-02	1.64E-03	1.46E-05	1.47E-07
LA	LA-TA-50-16	13.23	4.56E-01	8.17E-03	--	3.32E-03	3.58E-03	2.73E+00	6.33E-01	9.22E-02	8.15E-01	8.69E-06	--	--	1.22E-09	7.28E-08	1.14E-16	6.38E-07	3.75E-04	2.56E-08	1.12E-07	5.38E-14
LA	LA-TA-50-17	329.02	4.21E+02	4.10E-09	--	6.55E-02	6.97E-03	3.58E+01	4.35E+02	--	2.15E-01	1.95E-06	--	2.18E-03	5.64E-05	2.74E-05	--	1.23E-02	6.50E-02	7.98E-03	--	1.80E-05
LA	LA-TA-50-18	100.26	1.03E+02	--	--	--	2.15E-03	1.65E+01	2.98E+02	9.29E-02	2.67E-02	--	--	--	1.14E-04	1.09E-06	2.54E-16	2.00E-02	3.68E-03	3.06E-05	1.69E-07	--
LA	LA-TA-50-19	897.31	2.57E+02	6.67E-05	--	8.12E-04	5.54E-03	6.55E+01	2.70E+02	1.33E+00	2.13E+00	1.35E-04	--	7.95E-04	1.54E-09	4.92E-06	3.76E-15	7.75E-07	1.57E-02	1.47E-04	2.45E-06	1.20E-05
LA	LA-TA-50-20	0.62	5.53E-03	--	--	--	1.03E-07	--	6.03E-03	--	--	--	--	--	2.16E-14	--	--	1.25E-11	--	3.27E-10	--	--
LA	LA-TA-50-40	1.89		--	--	--	--	--	6.05E-04	--	--	--	--	--	--	--	--	--	--	3.16E-11	--	--
LA	LA-TA-50-41	35.91	1.57E-01	--	--	--	1.43E-06	3.37E-02	1.59E+00	3.72E-01	7.49E-01	2.16E-05	--	--	1.08E-13	9.49E-10	4.82E-16	1.00E-10	4.76E-06	6.61E-08	4.64E-07	1.37E-13
LA	LA-TA-54-01	18.90	5.09E-02	1.15E-05	--	6.54E-04	2.27E-06	5.44E-01	9.45E-02	1.97E-02	6.89E-02	1.14E-06	--	--	3.56E-13	7.33E-09	1.30E-17	2.64E-10	5.23E-05	4.73E-07	1.76E-08	5.15E-15
LA	LA-TA-55-01	1.04	7.90E-01	--	--	--	7.70E-06	3.97E+00	4.39E+00	1.04E+00	2.69E+00	6.02E-05	--	--	5.79E-13	7.95E-08	9.89E-16	5.47E-10	4.69E-04	1.56E-07	1.11E-06	3.27E-13
LA	LA-TA-55-02	1.87	1.13E+00	6.85E-06	--	--	2.58E-05	1.44E-01	6.24E+00	1.48E+00	3.60E+00	8.46E-05	--	--	4.93E-12	2.74E-07	1.48E-15	3.16E-09	8.30E-04	3.37E-05	1.62E-06	3.39E-05
LA	LA-TA-55-03	65.14	6.56E+01	6.20E-04	--	7.88E-07	1.54E-03	8.34E+02	2.82E+02	7.03E+01	2.09E+02	3.39E-01	2.01E-07	7.83E-07	2.99E-10	3.35E-05	7.06E-14	1.90E-07	1.49E-01	1.57E-04	7.72E-05	1.83E-06
LA	LA-TA-55-04	22.97	4.95E+00	7.97E-04	4.49E-03	--	6.24E-05	1.26E+01	2.65E+01	6.33E+00	1.68E+01	4.91E-03	--	--	7.37E-12	2.53E-07	6.03E-15	5.65E-09	1.49E-03	9.47E-06	6.78E-06	2.51E-06
LA	LA-TA-55-05	140.52	3.53E+01	2.72E-04	2.44E-02	6.59E-07	4.77E-04	2.01E+03	1.49E+02	3.70E+01	1.09E+02	1.20E-01	9.07E-08	6.58E-07	6.38E-11	5.39E-05	3.92E-14	4.61E-08	2.78E-01	5.73E-04	4.18E-05	2.54E-05
LA	LA-TA-55-06	1.04	3.17E-01	--	--	--	3.09E-06	3.92E-02	1.75E+00	4.16E-01	1.08E+00	2.44E-05	--	--	2.33E-13	7.84E-10	3.96E-16	2.20E-10	4.62E-06	2.55E-07	4.45E-07	2.59E-09
LA	LA-TA-55-07	10.40	1.27E+01	2.64E-05	--	8.55E-08	1.65E-04	8.43E+01	4.41E+01	1.11E+01	3.74E+01	1.84E-01	1.87E-07	8.53E-08	2.05E-11	1.82E-06	1.12E-14	1.53E-08	1.04E-02	1.27E-04	1.22E-05	9.21E-07
LA	LA-TA-55-08	25.78	2.50E+00	--	--	--	2.93E-05	6.88E+01	1.34E+01	3.20E+00	7.89E+00	2.15E-04	--	--	3.14E-12	4.95E-06	3.22E-15	2.50E-09	1.89E-02	4.91E-07	3.52E-06	1.20E-12
LA	LA-TA-55-09	6.24	4.11E+00	6.32E-06	--	--	4.28E-05	3.29E+02	1.76E+01	4.34E+00	1.30E+01	1.87E-02	8.86E-10	--	3.71E-12	1.50E-05	4.36E-15	3.27E-09	6.40E-02	1.21E-05	4.77E-06	7.07E-05
LA	LA-TA-55-10	3.74	2.67E+00	2.83E-06	--	4.36E-08	3.53E-05	6.03E+01	1.12E+01	2.73E+00	8.71E+00	1.36E-02	--	4.36E-08	4.39E-12	1.29E-06	2.60E-15	3.30E-09	7.38E-03	6.81E-06	2.92E-06	7.38E-11
LA	LA-TA-55-11	2.91	6.16E-01	1.36E-06	--	--	1.82E-05	3.04E+01	3.23E+00	7.72E-01	2.72E+00	4.46E-04	--	--	2.84E-12	4.57E-07	5.44E-16	2.08E-09	3.09E-03	1.65E-06	7.10E-07	2.09E-12
LA	LA-TA-55-12	6.90	5.19E-01	--	--	--	8.48E-06	3.18E+02	7.42E-01	2.55E-01	1.89E+00	1.26E-04	--	--	1.24E-12	9.20E-06	2.30E-16	8.82E-10	4.66E-02	2.29E-04	2.65E-07	8.75E-07
LA	LA-TA-55-14	641.77	5.83E+04	--	--	--	7.37E-01	1.81E+03	8.07E+03	2.01E+03	5.63E+03	6.43E+00	4.86E-06	--	7.32E-08	4.09E-05	2.13E-12	6.14E-05	2.28E-01	9.30E-03	2.27E-03	3.80E-03
LA	LA-TA-55-15	18.30	1.04E+02	--	--	--	1.05E-03	8.11E+02	5.34E+02	1.30E+02	3.38E+02	9.40E-03	--	--	8.32E-11	1.73E-05	1.31E-13	7.66E-08	9.89E-02	1.95E-05	1.43E-04	5.25E-11
LA	LA-TA-55-17B	22.24	9.21E-01	--	--	--	8.45E-06	4.34E+00	5.16E+00	1.22E+00	3.48E+00	7.06E-05	--	--	5.67E-13	7.68E-08	1.04E-15	5.67E-10	4.81E-04	1.73E-07	1.23E-06	3.62E-13
LA	LA-TA-55-18	2.50	9.07E-01	--	--	--	1.00E-05	9.69E+01	1.83E+01	1.94E+00	2.99E+00	5.46E-03	5.07E-09	--	1.06E-12	3.86E-06	3.43E-15	8.36E-10	1.64E-02	8.86E-07	2.83E-06	4.04E-11
LA	LA-TA-55-19	4612.83	1.07E+03	7.72E-03	7.07E-02	4.08E-06	1.95E-02	1.25E+04	4.76E+03	1.37E+03	2.23E+03	3.43E+00	2.95E-06	1.49E-06	4.16E-04	7.83E-04	3.23E-08	8.23E-02	2.72E+00	1.02E-02	3.43E-03	7.85E-03
LA	LA-TA-55-19.01-S	81.42	7.69E+01	4.36E-03	--	4.91E-07	4.60E-03	1.64E+01	2.49E+02	6.14E+01	1.66E+02	1.67E-01	--	--	9.05E-10	6.30E-05	4.90E-14	6.03E-07	1.20E-01	2.34E-04	6.01E-05	3.86E-04
LA	LA-TA-55-19.02-S	228.99	4.34E+02	7.73E-02	--	2.97E-04	2.52E-02	1.65E+02	8.16E+02	2.28E+02	8.68E+02	1.24E+00	--	2.71E-04	1.32E-05	1.91E-03	2.06E-05	4.54E-03	8.20E-01	9.77E-04	2.10E-04	1.53E-03
LA	LA-TA-55-20	55.14	3.90E+01	4.08E-04	--	5.86E-07	1.93E-03	1.47E+03	1.88E+02	4.77E+01	1.33E+02	4.00E-01	1.51E-07	5.82E-07	5.58E-10	5.45E-05	8.13E-14	3.03E-07	2.43E-01	5.18E-04	6.91E-05	8.93E-05
LA	LA-TA-55-21	174.32	1.14E+02	8.21E-05	--	9.52E-08	1.53E-03	2.15E+03	6.84E+02	1.87E+02	2.63E+02	2.00E-01	1.60E-07	8.58E-08	2.32E-10	1.28E-04	6.50E-13	1.53E-07	4.53E-01	7.09E-04	3.92E-04	3.02E-03
LA	LA-TA-55-22	88.96	2.13E+01	6.85E-05	1.58E-01	1.79E-06	2.84E-04	2.22E+03	9.00E+01	2.22E+01	5.65E+01	2.05E-02	1.88E-08	4.56E-07	4.05E-11	6.59E-05	3.17E-14	2.79E-08	3.22E-01	1.77E-05	2.91E-05	6.62E-06
LA	LA-TA-55-23	34.32	3.11E+01	2.03E-05	--	--	4.46E-04	1.46E+02	2.10E+02	5.43E+01	7.77E+01	6.04E-03	--	--	8.18E-11	6.92E-06	1.15E-13	4.90E-08	2.72E-02	2.93E-05	8.65E-05	4.24E-07
LA	LA-TA-55-24	5.20	3.23E+00	6.37E-05	--	--	2.84E-04	6.96E+01	2.18E+01	5.22E+00	1.20E+01	3.88E-04	--	--	8.90E-11	2.35E-06	8.90E-15	4.74E-08	1.09E-02	1.47E-04	7.57E-06	3.16E-05
LA	LA-TA-55-25	15.65	1.74E+01	4.90E-05	--	--	2.52E-04	5.02E+02	1.40E+02	3.04E+01	4.66E+01	1.68E-01	1.58E-07	--	4.68E-11	2.09E-05	5.59E-14	2.80E-08	8.72E-02	6.89E-06	4.52E-05	1.27E-09
LA	LA-TA-55-26	2.29	3.87E+00	--	--	--	5.04E-05	9.17E+01	1.79E+00	6.94E-01	6.45E+00	9.04E-02	8.57E-08	--	6.19E-12	2.58E-06	8.99E-16	4.62E-09	1.30E-02	7.41E-08	8.66E-07	5.73E-10
LA	LA-TA-55-27	0.42	2.59E-03	--	--	--	3.02E-08	4.99E-04	2.53E-02	5.91E-03	7.72E-03	3.43E-07	--	--	3.47E-15	2.18E-11	1.13E-17	2.63E-12	8.89E-08	1.28E-09	8.96E-09	2.64E-15
LA	LA-TA-55-28	1.04	2.58E-01	--	--	--	2.22E-06	5.51E-02	4.78E+00	5.92E-01	1.38E+00	3.42E-05	--	--	1.50E-13	1.39E-09	6.95E-16	1.47E-10	7.35E-06	1.89E-07	7.03E-07	2.07E-13
LA	LA-TA-55-29	8.32	3.04E+00	--	--	--	2.85E-05	1.79E+03	5.05E+00	1.73E+00	1.36E+01	4.75E-02	3.62E-08	--	2.20E-12	4.53E-05	2.04E-15	2.03E-09	2.39E-01	1.99E-07	2.06E-06	2.87E-10
LA	LA-TA-55-30	2262.94	2.06E+03	1.00E-02	--	3.93E-06	3.51E-02	2.71E+04	8.70E+03	2.35E+03	4.19E+03	8.84E+00	7.74E-06	3.83E-06	1.29E-05	1.47E-03	6.96E-07	1.93E-03	5.42E+00	7.59E-03	4.16E-03	7.92E-02
LA	LA-TA-55-30-S	95.32	1.30E+02	6.49E-03	--	4.41E-03	8.98E-03	3.65E+01	2.47E+02	6.94E+01	2.25E+02	5.99E-02	--	4.31E-03	2.84E-05	3.33E-06	3.28E-05	9.49E-03	1.34E-02	2.24E-04	6.60E-05	5.58E-04
LA	LA-TA-55-31	76.03	7.46E+01	8.74E-06	--	--	7.84E-04	3.41E+01	4.78E+02	1.23E+02	2.81E+02	1.05E+00	9.89E-07	--	7.77E-11	3.38E-06	2.53E-13	6.31E-08	1.07E-02	1.98E-04	1.95E-04	1.59E-05
LA	LA-TA-55-32	8.36	7.18E+00	--	--	--	9.80E-05	2.28E+03	2.08E+01	5.95E+00	1.39E+01	1.51E-02	1.31E-08	--	1.43E-11	1.01E-04	3.74E-14	9.70E-09	4.09E-01	7.69E-05	1.94E-05	7.06E-07
LA	LA-TA-55-33	2.50	3.49E-01	--	--	--	4.26E-06	6.91E-02	8.55E-01	4.17E-01	9.38E-01	1.26E-04	--	--	5.34E-13	3.29E-09	8.60E-16	3.88E-10	1.29E-05	4.47E-08	6.56E-07	1.01E-12
LA	LA-TA-55-34	70.51	3.31E+02	--	--	--	4.47E-03	4.86E+01	1.83E+03	4.59E+02	6.60E+02	1.42E-01	9.66E-08	--	4.60E-05	8.38E-06	9.27E-13	9.64E-03	2.23E-02	6.52E-04	7.16E-04	2.80E-02
LA	LA-TA-55-35	1.46	1.04E+02	--	--	--	1.49E-03	8.45E-01	3.02E+01	7.18E+00	1.43E+01	8.65E-03	7.78E-09	--	1.89E-10	9.88E-08	1.15E-14	1.40E-07	3.14E-04	7.25E-06	9.98E-06	5.56E-08
LA	LA-TA-55-36	78.02	7.22E+03	--	--	--	1.08E-01	2.49E+02	1.11E+03	2.68E+02	5.17E+02	5.80E-01	4.76E-07	--	1.51E-08	1.45E-05	4.04E-13	1.07E-05	5.38E-02	6.91E-04	3.61E-04	1.85E-02
LA	LA-TA-55-37	3.33	5.77E+01	--	--	--	7.37E-04	7.77E-01	2.02E+01	5.60E+00	1.80E+01	6.77E-04	--	--	7.63E-11	1.30E-05	6.25E-15	6.26E-08	3.71E-02	1.52E-03	6.49E-06	4.50E-02
LA	LA-TA-55-38	374.82	8.95E+03	3.97E-01	--	--	1.57E-01	2.18E+03	6.55E+03	1.81E+03	2.79E+03	1.83E+00	1.44E-06	--	4.87E-04	1.97E-04	2.30E-03	9.64E-02	5.99E-01	7.32E-03	3.29E-03	2.71E-01
LA	LA-TA-55-39	69.26	3.62E+02	--	--	--	4.22E-03	8.17E+01	3.39E+03	7.95E+02	1.08E+03	2.72E-01	2.07E-07	--	4.85E-10	3.62E-06	1.52E-12	3.68E-07	1.47E-02	1.74E-04	1.21E-03	3.92E-08
LA	LA-TA-55-40	1.25	1.09E+02	--	--	--	1.60E-03	6.46E-01	2.27E+01	5.51E+00	1.06E+01	4.96E-03	4.35E-09	--	2.12E-10	2.02E-08	7.83E-15	1.54E-07	9.65E-05	9.86E-07	7.20E-06	3.30E-11

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-41	18.95	1.43E+03	--	--	--	2.09E-02	1.59E+01	3.65E+02	8.84E+01	1.84E+02	3.71E-01	3.46E-07	--	2.78E-09	4.96E-07	1.26E-13	2.02E-06	2.37E-03	1.59E-05	1.16E-04	2.46E-09
LA	LA-TA-55-42	0.62	2.07E-01	--	--	--	1.91E-06	1.82E+02	1.45E-01	7.37E-02	9.23E-01	5.99E-05	--	--	1.42E-13	4.11E-06	7.81E-17	1.34E-10	2.29E-02	5.44E-09	8.32E-08	3.43E-13
LA	LA-TA-55-43	13.82	2.06E+00	1.95E-06	--	--	3.39E-05	4.67E+02	9.40E+00	2.69E+00	5.34E+00	6.05E-04	--	--	7.88E-12	2.51E-05	1.50E-06	4.25E-09	9.33E-02	5.58E-07	4.15E-06	4.75E-12
LA	LA-TA-55-43.01-S	190.89	6.23E-01	1.44E-05	--	--	4.39E-05	4.33E+02	4.66E-01	7.62E-01	1.49E+00	5.33E-04	--	--	9.84E-12	1.87E-05	4.58E-06	6.16E-09	8.29E-02	1.61E-08	7.92E-07	2.82E-12
LA	LA-TA-55-44	0.42	4.49E-02	--	--	--	2.84E-07	1.24E-02	3.15E-01	8.76E-02	4.03E-01	1.26E-05	--	--	1.10E-14	1.80E-10	6.18E-17	1.42E-11	1.24E-06	9.64E-09	8.07E-08	5.88E-14
LA	LA-TA-55-46	0.21	8.61E-05	--	--	--	1.07E-09	5.85E-02	5.08E-05	2.58E-05	1.98E-04	2.09E-08	--	--	1.32E-16	2.12E-09	4.19E-20	9.76E-14	9.44E-06	2.36E-12	3.61E-11	1.48E-16
LA	LA-TA-55-47	2.10	2.79E-03	--	--	--	2.40E-08	1.04E-01	2.80E-02	6.56E-03	1.49E-02	4.12E-07	--	--	1.62E-15	2.64E-09	7.70E-18	1.60E-12	1.39E-05	1.10E-09	7.79E-09	2.49E-15
LA	LA-TA-55-50	2.93	4.19E-02	--	--	--	4.08E-07	1.97E+00	1.66E-01	4.39E-02	1.44E-01	5.05E-06	--	--	3.06E-14	3.94E-08	4.18E-17	2.90E-11	2.33E-04	5.89E-09	4.69E-08	2.75E-14
LA	LA-TA-55-53	11.86	5.94E+01	--	--	--	5.28E-04	7.85E+00	3.04E+02	7.51E+01	2.36E+02	5.47E-03	--	--	3.34E-11	1.30E-07	6.00E-14	3.44E-08	8.39E-04	9.91E-06	7.36E-05	2.73E-11
LA	LA-TA-55-54	1.04	1.87E+00	--	--	--	2.54E-05	4.98E+00	8.03E+00	2.26E+00	3.71E+00	3.24E-04	--	--	3.71E-12	2.27E-07	4.48E-15	2.51E-09	9.09E-04	4.12E-07	3.49E-06	2.54E-12
LA	LA-TA-55-56	9.36	3.35E+01	1.21E-04	--	2.07E-07	9.83E-04	1.74E+01	1.62E+02	4.00E+01	5.26E+01	2.83E-03	--	2.04E-07	3.30E-10	1.12E-06	7.34E-14	1.58E-07	3.90E-03	5.46E-05	5.94E-05	3.17E-07
LA	LA-TA-55-60	128.52	7.65E+00	--	--	--	3.79E-03	8.01E+00	1.27E+01	4.38E+00	1.71E+01	4.04E-01	3.82E-07	--	2.22E-09	3.98E-07	9.40E-15	8.79E-07	1.53E-03	6.77E-07	7.04E-06	3.57E-07
LA	LA-TA-55-61	198.45	7.28E+00	--	--	--	8.98E-05	4.27E+01	2.55E+01	8.70E+00	1.90E+01	1.78E-02	1.50E-08	--	1.14E-11	1.95E-06	1.73E-14	8.25E-09	7.80E-03	1.31E-06	1.35E-05	1.40E-10
LA	LA-TA-55-62	43.47	4.38E-01	--	--	--	5.35E-06	9.39E-02	9.81E-01	4.70E-01	1.18E+00	1.56E-04	--	--	6.70E-13	4.47E-09	9.71E-16	4.87E-10	1.75E-05	5.13E-08	7.41E-07	1.25E-12
LA	LA-TA-55-63	3.78	2.35E-02	--	--	--	2.46E-07	4.73E-03	2.33E-01	5.43E-02	8.59E-02	3.15E-06	--	--	2.37E-14	1.71E-10	8.81E-17	1.96E-11	7.64E-07	1.08E-08	7.58E-08	2.23E-14
LB	LB-T001	1.82	6.91E-02	8.16E-04	--	--	2.92E-04	1.55E-04	3.45E-03	8.52E-04	1.05E-04	7.46E-05	2.10E-12	--	1.58E-05	1.14E-10	9.09E-09	5.27E-03	7.89E-07	3.47E-08	8.10E-10	8.55E-03
LL	BLCHDN.001-S	1.66	1.05E-01	2.23E-03	7.23E-02	--	8.95E-04	7.10E-02	4.38E-06	4.06E-04	2.20E-04	--	--	--	1.53E-10	8.89E-10	1.07E-19	1.13E-07	6.57E-06	6.68E-14	2.06E-10	--
LL	LL-M001	346.58	9.46E+02	2.96E-01	3.64E+02	3.62E-01	2.50E-02	4.77E+02	5.13E+02	1.92E+02	6.52E+02	1.03E-01	3.19E-09	5.18E-06	2.22E-03	2.99E-04	5.06E-06	3.81E-01	5.07E-02	7.38E-04	1.53E-04	2.16E-03
LL	LL-M001-S5400-S	143.14	3.29E+02	1.35E-02	1.12E+01	1.13E-05	7.58E-02	2.90E+02	5.98E+02	1.68E+02	5.88E+02	3.17E-02	--	1.09E-05	1.26E-08	8.51E-06	1.03E-13	9.35E-06	4.55E-02	5.13E-04	1.44E-04	3.54E-03
LL	LL-T004	1.25	1.88E+01	--	6.44E-04	--	2.37E-04	1.25E+00	3.94E+00	1.92E+00	7.08E+00	1.20E-03	--	--	1.89E-11	1.34E-08	1.02E-15	1.81E-08	1.07E-04	1.05E-07	1.54E-06	4.88E-12
LL	LL-W018a	590.42	9.90E+03	1.35E-03	4.22E-02	1.12E+00	8.94E-02	1.38E+03	7.91E+01	4.19E-01	1.73E+01	1.98E-05	2.66E-19	3.45E+00	1.64E-03	1.90E-05	2.24E-16	6.49E-01	1.35E-01	5.80E-05	3.36E-07	3.68E-03
LL	LL-W018b	34.76	2.14E+00	--	5.07E-04	--	1.82E-05	1.06E-01	1.41E+00	4.19E-01	3.38E+00	8.97E-05	--	--	8.85E-13	1.14E-09	2.24E-16	1.05E-09	9.09E-06	3.88E-08	3.36E-07	3.65E-13
LL	LL-W019	15.81	3.68E+01	2.24E-06	6.07E-03	1.54E-05	1.68E-03	1.75E+01	6.49E+01	1.84E+01	7.67E+01	3.75E-03	--	1.51E-05	2.65E-03	2.26E-07	9.86E-15	1.05E+00	1.65E-03	5.94E-04	1.48E-05	1.18E-03
MC	MC-W001	0.21		--	--	--	3.95E-05	--	5.05E-03	--	--	--	--	--	2.35E-11	--	--	9.28E-09	--	2.69E-10	--	--
NT	NT-JAS-01	2830.77	5.36E+02	--	--	--	4.67E-03	1.57E+02	2.81E+02	2.26E+02	1.64E+03	--	--	--	2.62E-10	2.11E-06	1.49E-13	2.89E-07	1.51E-02	8.30E-06	2.02E-04	--
NT	NTLBL-S5400-S	1.66	1.09E+00	5.79E-03	3.32E-01	2.84E-05	6.85E-04	1.19E-01	6.72E-01	1.54E-01	9.63E-01	2.12E-05	--	2.78E-05	1.08E-10	1.38E-09	8.77E-17	8.27E-08	1.06E-05	1.86E-08	1.27E-07	8.94E-14
NT	NTLRC-S5400-S	3.12	5.38E+00	3.51E-05	--	6.15E-07	2.89E-04	4.68E-01	7.19E+00	2.63E+00	9.55E+00	2.93E-04	--	6.03E-07	4.11E-11	1.12E-06	1.52E-15	3.23E-08	4.48E-03	1.48E-04	2.19E-06	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	4.69E+00	9.16E-07	--	--	7.77E-05	7.73E-01	2.43E+01	5.50E+00	1.23E+01	4.31E-04	--	--	1.56E-05	2.36E-07	3.16E-15	5.94E-03	9.71E-04	1.85E-05	4.57E-06	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	4.73E+00	--	--	--	6.79E-05	9.75E-01	3.88E+01	7.19E+00	1.85E+01	5.25E-04	--	--	6.63E-12	2.56E-08	4.13E-15	5.82E-09	1.43E-04	1.07E-06	5.97E-06	2.84E-05
NT	NT-RF-METAL-S	6.03	1.03E+00	2.71E-06	--	--	1.91E-05	1.74E-01	6.73E+00	1.66E+00	4.35E+00	1.35E-04	--	--	2.14E-12	1.12E-05	9.57E-16	1.80E-09	4.46E-02	2.76E-05	1.38E-06	2.23E-02
NT	NTS54332R0-S	307.24	1.41E+02	1.30E-02	1.09E+00	1.30E-04	1.54E-02	2.04E+01	3.69E+02	9.63E+01	3.03E+02	1.04E-02	--	1.30E-04	5.90E-04	7.49E-06	5.94E-14	2.17E-01	2.96E-02	1.00E+00	8.29E-05	1.01E-02
NT	NTS54COMR0-S	50.35	3.56E+01	2.09E-02	9.14E+00	4.54E-05	5.17E-03	1.74E+01	5.12E+01	1.22E+01	3.44E+01	1.84E-03	--	4.44E-05	7.09E-04	7.46E-07	7.52E-15	2.61E-01	3.64E-03	1.46E-05	1.05E-05	8.79E-04
NT	NTS54MIX1R0-S	0.42	3.80E-03	9.55E-05	--	4.03E-05	8.23E-07	3.28E-04	2.89E-02	6.94E-03	6.46E-03	6.83E-07	--	--	1.56E-13	4.74E-12	4.89E-18	1.08E-10	3.27E-08	8.84E-10	6.39E-09	3.19E-15
NT	NT-W001	291.38	1.37E+02	5.78E-01	3.27E-01	6.42E-03	4.43E-03	4.84E+01	1.32E+03	8.83E+00	1.70E+01	4.14E-02	4.75E-07	2.13E-05	3.76E-03	2.76E-06	1.43E-14	8.55E-01	1.02E-02	1.11E-04	1.23E-05	7.31E-05
NT	NT-W021	9.58	8.69E+00	--	--	--	9.13E-05	1.27E+00	5.44E+01	1.24E+01	3.18E+01	1.10E-03	--	--	8.78E-12	1.28E-05	2.02E-14	7.26E-09	3.03E-02	5.78E-04	1.74E-05	2.97E-02
OR	OR-W201	2083.28	1.41E+04	1.15E+00	2.43E+02	7.06E+00	4.86E-01	5.76E+03	2.98E+03	4.06E+03	4.38E+04	2.04E+00	1.03E-07	3.69E+01	5.93E-01	2.52E-02	1.08E-03	1.32E+02	5.86E+01	1.03E-02	7.28E-01	1.75E-01
OR	OR-W202	720.66	4.84E+02	5.31E+00	7.00E+02	3.23E-01	9.13E-01	1.72E+03	2.12E+02	1.99E+02	1.96E+02	2.09E-01	1.23E-05	7.86E-01	4.29E-01	5.50E-03	1.37E-03	9.56E+01	3.22E-01	4.43E-03	3.64E-04	2.74E-02
OR	OR-W203	386.56	4.08E+00	2.48E-01	1.53E+02	6.96E+00	3.38E-05	2.13E+00	4.81E-02	3.01E+00	8.53E+00	3.29E-02	1.68E-09	5.06E+01	1.61E-12	2.29E-08	1.38E-15	1.94E-09	1.82E-04	1.28E-09	2.16E-06	1.34E-10
OR	OR-W204	18.10	1.41E-01	3.15E-04	4.55E-01	1.07E-01	2.26E-06	1.67E-01	1.56E-01	1.00E-01	1.10E-02	6.73E-07	--	1.31E-02	4.73E-04	6.84E-08	1.79E-16	1.05E-01	1.71E-04	1.97E-05	1.46E-07	1.50E-04
OR	OR-W205	101.71	1.38E+02	--	--	--	1.99E-03	1.78E+01	2.86E+02	1.27E+02	1.57E+02	9.76E-03	--	--	3.64E-05	2.51E-03	7.35E-06	8.09E-03	5.81E+00	4.77E-04	1.81E-04	6.02E-03
RF	RF001.01-S	979.16	1.69E+03	1.18E-03	--	--	6.86E-02	1.18E+02	3.36E+03	7.80E+02	3.14E+03	1.18E-01	--	--	2.33E-04	6.10E-05	6.23E-13	7.53E-02	2.12E-01	9.67E-03	7.64E-04	2.21E-03
RF	RF002.01-S	1461.40	1.63E+03	1.06E-03	--	1.71E-04	2.46E-02	1.75E+02	4.40E+03	1.04E+03	5.09E+03	1.23E-01	--	--	6.55E-05	3.97E-05	7.78E-13	2.19E-02	1.47E-01	7.14E-03	9.84E-04	2.83E-01
RF	RF003.01-S	355.39	2.97E+03	--	--	--	3.21E-02	4.24E+02	1.27E+04	3.06E+03	9.89E+03	2.93E-01	--	--	3.11E-05	1.15E-05	2.45E-12	1.01E-02	6.04E-02	9.10E-04	3.00E-03	1.30E-03
RF	RF004.01-S	282.97	2.69E+02	8.81E-07	--	--	3.59E-03	2.64E+01	6.86E+02	1.59E+02	8.56E+02	1.92E-02	--	--	3.76E-10	6.09E-06	1.12E-13	3.13E-07	2.31E-02	6.82E-04	1.46E-04	7.54E-04
RF	RF005.01-S	119.39	5.26E+03	--	--	--	6.26E-02	1.67E+02	4.78E+03	1.23E+03	2.20E+03	1.01E-01	--	--	5.64E-09	3.14E-06	1.10E-12	4.96E-06	1.91E-02	2.46E-04	1.28E-03	5.34E-10
RF	RF005.02-S	78.42	6.29E+03	--	--	--	7.28E-02	9.85E+01	2.90E+03	7.61E+02	1.21E+03	6.46E-02	--	--	6.12E-09	1.92E-06	6.45E-13	5.58E-06	1.15E-02	1.17E-04	7.68E-04	1.72E-07
RF	RF006.01-S	235.66	2.35E+03	--	--	--	2.86E-02	3.71E+02	9.21E+03	2.22E+03	8.24E+03	2.97E-01	--	--	3.64E-09	1.17E-05	2.74E-12	2.64E-06	5.59E-02	5.63E-04	2.71E-03	1.39E-06
RF	RF008.01-S	97.15	1.16E+03	--	--	--	2.47E-02	1.59E+02	3.39E+03	9.28E+02	2.93E+03	1.36E-01	--	--	3.94E-09	2.90E-06	7.88E-13	2.76E-06	1.79E-02	1.41E-04	9.37E-04	7.59E-08
RF	RF009.01-S	1326.87	6.64E+04	--	--	--	1.07E+00	1.58E+03	5.50E+04	1.36E+04	2.60E+04	1.37E+00	--	--	1.31E-07	2.90E-05	1.09E-11	1.02E-04	1.79E-01	2.10E-03	1.33E-02	2.72E-06
RF	RF010.01-S	629.55	1.79E+03	4.09E-05	--	--	2.21E-02	2.03E+02	6.26E+03	1.46E+03	5.09E+03	1.59E-01	--	--	2.20E-09	3.88E-05	1.10E-12	1.85E-06	1.45E-01	4.18E-03	1.38E-03	3.58E-03
RF	RF011.01-S	79.52	3.02E+02	--	--	--	2.92E-03	5.08E+01	1.49E+03	3.57E+02	1.08E+03	3.06E-02	--	--	2.08E-10	9.32E-07	2.51E-13	2.03E-07	5.77E-03	6.83E-05	3.28E-04	4.21E-06
RF	RF015.01-S	1.66	5.54E+00	--	--	--	1.25E-04	7.68E-01	1.87E+01	4.37E+00	2.65E+01	5.82E-04	--	--	1.81E-11	1.11E-08	3.08E-15	1.35E-08	7.66E-05	5.73E-07	4.02E-06	2.72E-12
RF	RF029.01-S	4346.98	2.88E+03	1.44E-03	--	1.43E-05	4.67E-02	2.99E+02	6.85E+03	1.64E+03	1.05E+04	2.21E-01	3.36E-16	9.59E-08	5.42E-09	2.60E-05	1.09E-12	4.39E-06	1.10E-01	2.84E-03	1.47E-03	1.26E-03
RF	RF031.01-S	20.59	1.41E+01	--	--	--	1.55E-04	1.89E+00	4.81E+01	1.11E+01	6.57E+01	1.32E-03	--	--	1.31E-11	2.57E-07	6.86E-15	1.20E-08	1.07E-03	3.05E-05	9.58E-06	4.10E-05
RF	RF032.01-S	209.25	2.63E+03	--	--	--	4.66E-02	2.53E+02	8.61E+03	2.02E+03	5.17E+03	1.52E-01	--	--	6.07E-09	4.43E-06	1.52E-12	4.65E-06	2.79E-02	3.29E-04	1.92E-03	5.05E-07
RF	RF033.01-S	25.58	1.75E+02	--	--	--	2.09E-03	2.81E+01	7.99E+02	1.86E+02	8.00E+02	1.84E-02	--	--	2.05E-10	4.93E-07	1.31E-13	1.74E-07	3.11E-03	3.50E-05	1.71E-04	6.00E-05
RF	RF036.01-S	44.10	7.62E+01	8.12E-05	--	--	9.03E-04	1.10E+01	2.64E+02	6.16E+01	4.10E+02	8.18E-03	--	--	8.32E-11	7.78E-07	3.80E-14	7.36E-08	3.47E-03	1.18E-04	5.30E-05	2.98E-03
RF	RF101.01-S	174.96	4.90E+02	1.05E-03	--	--	6.02E-03	6.55E+01	1.69E+03	3.94E+02	1.94E+03	4.61E-02	--	--	5.98E-10	1.25E-05	2.78E-13	5.07E-07	4.81E-02	1.40E-03	3.63E-04	8.53E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF101.29-S	30.39	4.36E+01	--	--	--	5.23E-04	6.25E+00	1.56E+02	3.63E+01	1.68E+02	4.24E-03	--	--	5.25E-11	1.68E-06	2.73E-14	4.40E-08	6.16E-03	1.84E-04	3.45E-05	2.04E-04
RF	RF101.30-S	117.41	4.18E+02	3.13E-04	--	--	6.03E-03	3.14E+01	8.78E+02	2.06E+02	8.46E+02	2.54E-02	--	--	6.81E-10	5.21E-06	1.55E-13	5.48E-07	1.97E-02	5.57E-04	1.96E-04	1.85E-04
RF	RF101.31-S	62.53	8.42E+01	1.36E-05	--	--	1.02E-03	8.55E+00	2.34E+02	5.54E+01	2.15E+02	8.25E-03	--	--	1.01E-10	1.81E-06	4.43E-14	8.52E-08	6.54E-03	1.90E-04	5.43E-05	8.29E-05
RF	RF101.35-S	79.56	2.88E+02	--	--	--	4.37E-03	2.41E+01	6.38E+02	1.49E+02	7.08E+02	2.08E-02	--	--	5.20E-10	2.47E-05	1.12E-13	4.10E-07	8.69E-02	2.74E-03	1.41E-04	2.19E-04
RF	RF102.01-S	223.63	2.10E+02	1.99E-04	--	5.39E-03	3.07E-03	2.40E+01	5.72E+02	1.36E+02	8.07E+02	1.77E-02	--	--	3.52E-10	1.49E-06	9.60E-14	2.84E-07	6.50E-03	1.54E-04	1.25E-04	3.99E-04
RF	RF102.31-S	124.09	1.64E+02	1.92E-05	--	--	2.41E-03	1.11E+01	2.75E+02	6.48E+01	3.58E+02	8.46E-03	--	--	2.66E-10	2.37E-06	4.57E-14	2.18E-07	9.03E-03	2.83E-04	5.97E-05	2.14E-03
RF	RF104.01-S	54.38	1.46E+02	2.28E-04	--	--	2.17E-03	1.31E+01	4.09E+02	9.61E+01	3.66E+02	9.38E-03	--	--	2.33E-10	4.03E-07	6.35E-14	1.94E-07	2.10E-03	4.05E-05	8.56E-05	1.40E-04
RF	RF107.01-S	63.44	2.54E+03	--	--	--	3.83E-02	7.70E+00	1.91E+02	4.41E+01	2.90E+02	5.79E-03	--	--	3.80E-09	4.58E-06	2.72E-14	3.31E-06	1.79E-02	1.12E-03	3.80E-05	5.98E-02
RF	RF107.03-S	60.94	1.66E+01	--	--	--	2.56E-04	9.43E-01	2.31E+01	5.37E+00	3.55E+01	7.07E-04	--	--	2.67E-11	2.02E-05	3.31E-15	2.28E-08	7.75E-02	9.13E-03	4.62E-06	6.86E-01
RF	RF107.04-S	110.31	6.64E+01	--	--	--	1.04E-03	3.36E+00	8.32E+01	1.93E+01	1.27E+02	2.53E-03	--	--	1.09E-10	5.92E-07	1.19E-14	9.25E-08	2.42E-03	2.13E-04	1.66E-05	1.54E-02
RF	RF107.05-S	4.37	7.03E+00	--	--	--	7.85E-05	8.28E-01	2.04E+01	4.73E+00	3.12E+01	6.22E-04	--	--	6.66E-12	2.58E-06	2.92E-15	6.09E-09	9.93E-03	3.18E-04	4.07E-06	2.81E-06
RF	RF107.06-S	14.35	7.76E-01	--	--	--	6.24E-06	1.23E-01	3.05E+00	7.07E-01	4.65E+00	9.27E-05	--	--	3.54E-13	6.04E-07	4.36E-16	3.83E-10	2.32E-03	2.63E-04	6.09E-07	2.01E-02
RF	RF107.07-S	58.88	3.63E+02	1.69E-03	--	--	5.26E-03	2.99E+01	7.24E+02	1.68E+02	1.12E+03	2.23E-02	--	--	5.36E-10	3.60E-05	1.04E-13	4.59E-07	1.39E-01	4.44E-03	1.45E-04	2.20E-03
RF	RF110.01-S	9.15	7.43E+01	1.72E-03	--	--	8.41E-04	5.04E+00	1.25E+02	2.92E+01	1.44E+02	6.55E-03	--	--	7.09E-11	3.16E-07	2.06E-14	6.47E-08	1.38E-03	3.37E-05	2.69E-05	1.94E-04
RF	RF110.05-S	31.53	1.03E+02	--	--	--	1.01E-03	1.66E+01	4.61E+02	1.06E+02	3.29E+02	1.03E-02	--	--	7.45E-11	1.68E-06	7.99E-14	7.17E-08	6.65E-03	1.74E-04	1.01E-04	1.67E-05
RF	RF113.01-S	0.42	9.83E-02	--	--	--	1.70E-06	1.48E-02	3.70E-01	8.58E-02	5.14E-01	1.13E-05	--	--	2.21E-13	2.14E-10	6.05E-17	1.70E-10	1.47E-06	1.13E-08	7.90E-08	5.28E-14
RF	RF115.01-S	114.91	5.74E+02	--	--	--	6.29E-03	8.46E+01	2.53E+03	5.88E+02	1.43E+03	4.94E-02	--	--	5.20E-10	1.45E-06	4.14E-13	4.77E-07	9.24E-03	1.09E-04	5.41E-04	6.25E-04
RF	RF116.01-S	3.95	2.35E+01	--	--	--	3.35E-04	2.07E+00	9.79E+01	2.27E+01	3.58E+01	1.52E-03	--	--	3.55E-11	3.00E-08	1.60E-14	2.96E-08	2.07E-04	2.99E-06	2.09E-05	7.09E-12
RF	RF117.01-S	1.87	7.48E+00	--	--	--	9.57E-05	9.97E-01	2.44E+01	5.68E+00	3.48E+01	7.30E-04	--	--	9.63E-12	4.07E-07	3.75E-15	8.18E-09	1.56E-03	4.77E-05	5.06E-06	4.15E-07
RF	RF118.01-S	1432.29	1.72E+04	1.25E-03	--	--	2.14E-01	3.37E+03	6.66E+04	1.79E+04	5.61E+04	2.18E+00	--	--	2.25E-08	1.38E-04	1.43E-11	1.84E-05	6.37E-01	1.11E-02	1.76E-02	2.00E-04
RF	RF119.01-S	24.13	5.15E+01	--	--	--	6.60E-04	6.02E+00	1.47E+02	3.45E+01	2.16E+02	4.46E-03	--	--	6.31E-11	1.98E-07	2.13E-14	5.52E-08	1.03E-03	2.13E-05	2.97E-05	2.13E-04
RF	RF121.01-S	45.97	3.01E+02	--	--	--	2.67E-03	5.20E+01	1.97E+03	4.71E+02	8.94E+02	3.05E-02	--	--	1.55E-10	8.72E-07	3.11E-13	1.68E-07	5.63E-03	7.88E-05	4.19E-04	1.81E-07
RF	RF122.01-S	35.57	2.96E+02	--	--	--	5.89E-02	5.08E+01	1.37E+03	3.29E+02	7.86E+02	3.48E-02	--	--	1.12E-08	7.35E-07	2.32E-13	7.74E-06	5.07E-03	4.19E-05	3.03E-04	1.63E-10
RF	RF122.03-S	4.37	3.37E+01	--	--	--	6.90E-04	5.71E-01	1.42E+01	3.29E+00	2.16E+01	4.30E-04	--	--	8.20E-11	2.36E-06	2.03E-15	6.70E-08	9.08E-03	6.06E-04	2.83E-06	3.39E-02
RF	RF122.04-S	54.08	3.17E+02	--	--	--	6.38E-03	6.52E+00	1.61E+02	3.73E+01	2.46E+02	4.90E-03	--	--	7.53E-10	8.71E-06	2.30E-14	6.16E-07	3.37E-02	3.50E-03	3.21E-05	2.34E-01
RF	RF122.05-S	16.22	3.49E+00	--	--	--	4.12E-05	2.23E-01	5.46E+00	1.27E+00	8.39E+00	1.67E-04	--	--	3.48E-12	5.24E-06	7.82E-16	3.20E-09	2.01E-02	1.05E-03	1.09E-06	3.90E-02
RF	RF122.06-S	7.28	6.60E+01	--	--	--	9.38E-04	8.10E+00	2.52E+02	5.95E+01	1.42E+02	6.36E-03	--	--	1.01E-10	2.06E-07	4.19E-14	8.34E-08	1.13E-03	2.06E-05	5.48E-05	2.81E-04
RF	RF123.01-S	9.38	7.50E+01	--	--	--	7.60E-04	8.20E+00	3.02E+02	7.03E+01	1.77E+02	4.97E-03	--	--	5.54E-11	2.14E-07	4.95E-14	5.38E-08	1.16E-03	2.25E-05	6.47E-05	9.90E-08
RF	RF123.02-S	0.83	2.45E-02	--	--	--	1.87E-07	3.42E-03	8.31E-02	1.93E-02	1.28E-01	2.55E-06	--	--	9.05E-15	6.10E-08	1.19E-17	1.06E-11	2.34E-04	2.70E-05	1.66E-08	2.10E-03
RF	RF123.03-S	12.06	3.12E+02	--	--	--	5.21E-03	8.37E+00	2.06E+02	4.78E+01	3.01E+02	6.31E-03	--	--	5.87E-10	1.57E-07	3.15E-14	4.83E-07	9.68E-04	2.50E-05	4.25E-05	1.47E-03
RF	RF123.04-S	44.51	2.29E+02	--	--	--	2.63E-03	3.30E+01	8.06E+02	1.88E+02	1.19E+03	2.49E-02	--	--	2.45E-10	6.59E-07	1.24E-13	2.14E-07	3.97E-03	5.19E-05	1.67E-04	2.61E-04
RF	RF124.01-S	94.24	7.05E+01	4.49E-06	--	--	1.99E-03	9.16E+00	2.47E+02	5.67E+01	2.92E+02	6.58E-03	--	--	3.24E-10	2.16E-06	4.26E-14	2.31E-07	7.94E-03	1.32E-04	5.39E-05	1.42E-04
RF	RF124.02-S	13.31	1.86E+01	--	--	--	2.82E-04	2.59E+00	6.66E+01	1.52E+01	8.10E+01	1.84E-03	--	--	3.50E-11	1.29E-07	1.14E-14	2.71E-08	5.75E-04	1.20E-05	1.45E-05	8.78E-08
RF	RF125.01-S	14.39	2.38E+02	--	--	--	6.53E-03	1.26E+01	3.86E+02	8.92E+01	3.06E+02	7.66E-03	--	--	9.20E-10	2.52E-06	5.89E-14	7.03E-07	9.94E-03	2.97E-04	7.95E-05	6.28E-04
RF	RF126.01-S	1.04	6.24E+00	--	--	--	5.23E-05	1.23E+00	3.87E+01	8.66E+00	2.42E+01	5.44E-04	--	--	2.84E-12	2.73E-08	5.72E-15	3.17E-09	1.58E-04	2.43E-06	7.71E-06	1.14E-08
RF	RF126.04-S	2.08	1.41E+01	--	--	--	1.24E-04	2.03E+00	7.07E+01	1.63E+01	4.11E+01	1.27E-03	--	--	6.98E-12	6.23E-08	1.07E-14	7.67E-09	3.24E-04	5.48E-06	1.45E-05	3.15E-08
RF	RF128.01-S	198.22	1.34E+03	--	--	--	1.41E-02	3.05E+02	8.50E+03	2.06E+03	5.09E+03	1.51E-01	--	--	1.18E-09	4.76E-06	1.55E-12	1.07E-06	3.16E-02	2.72E-04	1.95E-03	2.97E-08
RF	RF129.01-S	467.76	3.53E+02	1.02E-04	--	5.71E-05	4.87E-03	3.68E+01	8.67E+02	2.07E+02	1.28E+03	2.72E-02	1.40E-19	--	5.08E-10	1.10E-05	1.37E-13	4.27E-07	4.24E-02	1.39E-03	1.85E-04	6.21E-04
RF	RF129.05-S	448.33	4.21E+02	3.42E-04	--	--	1.34E-02	3.32E+01	7.51E+02	1.81E+02	1.18E+03	2.47E-02	--	--	1.99E-09	2.00E-06	1.19E-13	1.49E-06	8.93E-03	2.08E-04	1.61E-04	6.31E-05
RF	RF130.01-S	38.59	3.28E+02	--	4.96E-08	3.69E-04	1.08E-02	2.03E+01	4.95E+02	1.15E+02	7.30E+02	1.53E-02	1.97E-15	1.76E-02	1.61E-09	1.50E-05	4.56E-09	1.21E-06	4.22E-02	1.60E-03	1.03E-04	2.29E-03
RF	RF134.02-S	11.34	3.13E-01	--	--	--	2.57E-06	3.74E-02	9.25E-01	2.14E-01	1.35E+00	2.82E-05	--	--	1.37E-13	5.03E-10	1.42E-16	1.54E-10	3.59E-06	2.74E-08	1.91E-07	1.28E-13
RF	RF135.01-S	2.29	5.19E+00	--	--	--	9.49E-05	1.32E-01	3.31E+00	7.65E-01	4.79E+00	1.00E-04	--	--	1.13E-11	8.86E-08	5.05E-16	9.10E-09	3.35E-04	3.73E-05	6.82E-07	2.89E-03
RF	RF135.02-S	10.40	2.08E+00	--	--	--	2.84E-05	2.50E-01	6.17E+00	1.43E+00	9.41E+00	1.88E-04	--	--	2.86E-12	1.08E-06	8.81E-16	2.45E-09	4.14E-03	1.33E-04	1.23E-06	1.17E-06
RF	RF137.01-S	0.42	3.31E-01	--	--	--	6.11E-06	2.68E-02	6.81E-01	1.57E-01	9.77E-01	2.05E-05	--	--	7.52E-13	3.61E-10	1.04E-16	5.98E-10	2.58E-06	2.02E-08	1.40E-07	9.26E-14
RF	RF139.01-S	11.65	3.54E+02	--	--	--	6.36E-03	1.34E+00	3.34E+01	7.73E+00	5.07E+01	1.01E-03	--	--	7.05E-10	6.53E-07	4.77E-15	5.90E-07	2.57E-03	2.00E-04	6.66E-06	1.30E-02
RF	RF140.01-S	172.16	7.94E+01	1.36E-05	--	--	9.93E-04	1.10E+01	2.47E+02	5.99E+01	3.89E+02	8.12E-03	--	--	9.88E-11	1.81E-07	3.96E-14	8.42E-08	1.18E-03	1.13E-05	5.33E-05	3.50E-08
RF	RF141.01-S	45.55	2.65E+02	--	--	--	2.14E-03	5.81E+01	1.82E+03	4.25E+02	1.23E+03	2.81E-02	--	--	1.12E-10	7.26E-05	2.81E-13	1.27E-07	2.72E-01	8.62E-03	3.79E-04	7.58E-05
RF	RF141.02-S	175.97	1.92E+03	--	--	--	2.60E-01	2.27E+02	7.42E+03	1.77E+03	4.48E+03	1.52E-01	--	--	4.55E-08	8.18E-05	1.17E-12	3.27E-05	3.14E-01	9.63E-03	1.58E-03	8.32E-05
RL	RL105-01	157.99	3.13E+00	--	--	2.60E+01	1.68E-05	6.66E-01	2.92E+01	6.57E+00	3.61E+01	3.95E-04	--	2.37E+01	4.86E-13	1.91E-03	5.97E-04	7.24E-10	7.87E+00	8.11E-01	5.27E-06	8.72E-03
RL	RL105-03	69.06	3.16E+01	--	--	5.51E+01	5.40E-03	2.40E+00	1.44E+01	7.92E+00	1.08E+02	3.82E-03	--	9.88E+00	7.75E-10	6.58E-06	4.24E-15	6.18E-07	2.72E-02	9.60E-04	6.35E-06	2.04E-02
RL	RL200-01	126.63	4.49E+00	--	--	1.85E-02	3.18E-05	5.67E+00	1.88E+01	4.19E+00	2.68E+01	2.50E-04	--	1.66E-02	1.33E-12	6.34E-08	2.24E-15	1.68E-09	4.95E-04	9.59E-07	3.36E-06	9.97E-06
RL	RL201-01	14.14	1.11E-03	--	--	--	1.18E-08	1.31E-04	6.62E-03	1.48E-03	3.52E-03	8.93E-08	--	--	1.10E-15	3.49E-12	1.82E-18	9.32E-13	1.80E-08	2.68E-10	1.80E-09	5.53E-16
RL	RL202S-01	1.46	5.48E-02	--	--	2.89E-01	6.01E-07	3.37E-03	8.78E-02	2.10E-02	3.50E-02	9.74E-07	--	2.59E-01	4.67E-14	5.96E-11	1.78E-17	4.42E-11	3.73E-07	2.95E-09	2.12E-08	4.99E-15
RL	RL209E-01	52.79	3.22E+01	--	--	4.86E-02	3.20E-04	4.98E+00	2.52E+02	5.62E+01	1.31E+02	3.41E-03	--	4.39E-02	2.80E-11	1.63E-07	8.36E-14	2.42E-08	7.63E-04	1.12E-05	7.52E-05	2.31E-11
RL	RL216Z-02	194.85	1.95E+02	--	--	2.91E-01	1.49E-03	4.63E+01	7.47E+02	1.66E+02	1.02E+03	9.61E-03	--	2.61E-01	7.19E-11	5.80E-07	1.02E-13	8.47E-08	4.28E-03	2.14E-05	1.43E-04	4.21E-11
RL	RL221T-01	17.60	7.47E-03	--	--	3.88E-04	1.05E-07	9.88E-04	5.60E-02	1.25E-02	1.49E-02	7.60E-07	--	3.47E-04	1.66E-14	1.21E-10	3.21E-17	1.07E-11	3.26E-07	8.40E-09	2.20E-08	1.12E-07
RL	RL222S-01	88.61	9.08E-01	--	--	2.38E-02	5.45E-06	1.72E-01	7.09E+00	1.61E+00	8.59E+00	1.00E-04	--	2.17E-02	2.61E-03	1.38E-08	8.59E-16	1.03E+00	6.37E-05	5.23E-06	1.29E-06	5.43E-08
RL	RL231Z-01	1272.78	4.07E+02	--	--	9.71E-02	4.39E-03	7.77E+01	1.52E+03	3.40E+02	1.17E+03	2.05E-02	--	8.62E-02	4.04E-10	1.86E-04	5.52E-05	3.45E-07	5.22E-01	1.51E-03	4.05E-04	5.64E-02

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL231Z-03	13.23	1.46E+01	--	--	--	2.10E-04	3.08E+00	5.03E-02	4.30E-02	2.49E+01	3.89E-07	--	--	3.38E-11	1.53E-07	9.22E-17	2.19E-08	5.89E-04	2.68E-09	6.91E-08	3.17E-15
RL	RL233S-01	91.21	1.16E+01	--	--	4.00E-03	7.88E-05	2.93E+00	7.08E+01	1.72E+01	8.90E+01	6.03E-03	--	3.65E-03	3.32E-12	3.67E-08	1.06E-14	4.14E-09	2.71E-04	2.03E-06	1.48E-05	2.64E-11
RL	RL2718-01	0.83	3.35E-01	--	--	3.14E-05	4.82E-06	3.43E-04	5.27E-02	8.97E-03	3.41E-03	7.89E-08	--	2.78E-05	6.16E-13	1.02E-11	1.22E-17	4.56E-10	4.98E-08	2.24E-09	1.15E-08	5.12E-16
RL	RL300-01	72.87	2.45E+01	--	--	7.03E-01	1.60E-04	8.63E+00	1.55E+02	3.46E+01	1.90E+02	2.09E-03	--	6.41E-01	9.56E-03	5.82E-05	3.32E-03	3.78E+00	2.40E-01	1.11E-02	2.78E-05	3.04E-02
RL	RL308-01	28.12	1.41E+02	--	--	3.77E-03	9.78E-04	3.04E+01	8.72E+00	3.37E+00	8.34E+02	1.85E-04	--	3.44E-03	1.51E-04	3.39E-06	1.67E-15	6.20E-02	1.57E-02	1.76E-04	2.60E-06	4.51E-03
RL	RL324-01	135.33	6.43E+01	--	--	4.08E+00	4.62E-04	8.83E+00	4.09E+02	9.10E+01	3.63E+02	5.56E-03	--	2.45E+00	1.96E-11	9.48E-08	4.87E-14	2.46E-08	7.54E-04	1.09E-05	7.29E-05	2.26E-11
RL	RL325-01	1400.37	2.41E+02	--	--	1.01E+02	1.77E-03	7.67E+01	3.10E+02	1.03E+02	1.05E+03	3.68E-02	--	5.74E+02	7.36E-11	7.60E-07	5.13E-14	9.40E-08	6.28E-03	7.95E-06	7.98E-05	1.44E-10
RL	RL325-03	2.08	8.56E-01	--	--	1.00E-03	6.98E-06	1.99E-01	5.40E-01	3.28E-01	2.16E+00	1.66E-04	--	8.98E-04	3.28E-13	2.13E-09	1.75E-16	3.96E-10	1.70E-05	3.92E-06	2.63E-07	2.68E-06
RL	RL325-05	5.20	9.46E+01	--	--	2.76E-01	7.70E-04	1.22E+01	3.83E-01	3.85E-01	4.89E+02	6.76E-04	--	3.64E-02	4.33E-11	1.88E-07	2.89E-16	4.71E-08	1.26E-03	5.68E-06	3.66E-07	8.57E-08
RL	RL327-01	80.93	3.61E+01	--	--	3.61E+03	2.81E-04	1.37E+01	7.06E+00	6.18E+00	1.33E+02	8.97E-03	--	5.43E-03	1.28E-11	1.47E-07	3.30E-15	1.56E-08	1.17E-03	1.88E-07	4.95E-06	3.66E-11
RL	RLARG-01	0.83	2.07E+01	--	--	2.55E-05	2.49E-04	3.71E+00	1.70E+01	8.52E+00	5.52E+01	3.66E-03	--	2.26E-05	9.71E-04	1.40E-06	1.26E-04	2.16E-01	3.52E-03	2.99E-04	1.22E-05	3.22E-06
RL	RLBART-01	0.62	9.78E-01	--	--	9.66E-03	1.72E-05	6.75E-07	3.62E-05	8.07E-06	1.34E-05	4.90E-10	--	8.70E-03	3.22E-12	3.08E-14	1.60E-20	1.97E-09	1.23E-10	1.86E-12	1.25E-11	3.84E-18
RL	RLBAT-01	19.14	1.16E+00	--	--	1.73E-02	1.19E-05	5.97E+01	9.08E+00	2.02E+00	4.48E+00	1.22E-04	--	1.56E-02	1.09E-12	4.17E-06	3.14E-15	9.21E-10	1.45E-02	3.54E-04	2.76E-06	1.10E-03
RL	RLBET-01	0.42	7.53E-03	--	--	5.38E-02	8.32E-08	1.11E-03	5.82E-02	1.30E-02	2.48E-02	7.82E-07	--	4.85E-02	8.77E-15	7.32E-08	2.29E-17	6.94E-12	1.66E-04	1.70E-05	1.89E-08	1.83E-07
RL	RLBW-01	306.60	4.48E+02	--	--	5.37E-01	3.46E-03	2.45E+01	1.08E+03	2.40E+02	1.39E+03	1.45E-02	--	4.92E-01	1.49E-10	2.05E-05	1.19E-13	1.88E-07	8.85E-02	2.10E-04	1.85E-04	1.02E-02
RL	RLCBWD.001-S	14.36	2.16E+01	--	--	2.54E-07	2.94E-04	3.23E+00	2.37E+01	1.12E+01	4.73E+01	1.70E-03	--	2.27E-07	1.22E-05	1.82E-07	5.97E-15	4.81E-03	8.83E-04	2.02E-05	8.94E-06	2.45E-04
RL	RLCFF-01	24.34	1.53E+02	--	--	6.05E-02	1.07E-03	3.78E+01	5.76E+02	1.28E+02	8.92E+02	7.63E-03	--	5.42E-02	4.21E-11	5.69E-07	6.35E-14	5.49E-08	3.93E-03	5.21E-05	9.89E-05	8.09E-04
RL	RLCFF-03	5.82	1.55E-01	--	--	2.02E-04	1.99E-06	1.69E-02	9.31E-01	2.08E-01	2.99E-01	1.26E-05	--	1.77E-04	2.48E-13	5.85E-10	3.23E-16	1.83E-10	2.67E-06	4.23E-08	2.84E-07	8.72E-14
RL	RLCFFD.001-S	261.33	5.51E+02	--	--	--	4.73E-03	7.69E+01	5.79E+02	2.93E+02	1.12E+03	4.46E-02	--	--	2.41E-10	1.88E-06	1.31E-06	2.80E-07	1.07E-02	1.46E-04	2.43E-04	2.91E-03
RL	RLESG-01	58.24	7.54E+00	--	--	3.71E-02	6.33E-05	1.51E+00	3.87E+01	8.69E+00	3.22E+01	5.38E-04	--	6.07E-02	3.57E-12	3.94E-06	6.13E-15	3.90E-09	1.42E-02	1.43E-03	8.00E-06	2.94E-05
RL	RLEXX-01	50.96	6.48E+02	--	--	6.76E-02	7.54E-03	9.32E+01	4.98E+03	1.11E+03	1.93E+03	6.73E-02	--	6.08E-02	8.68E-10	2.04E-04	2.12E-12	6.58E-07	4.52E-01	1.97E-02	1.68E-03	4.23E-01
RL	RLGEV-01	280.23	6.09E+00	--	--	2.42E-02	6.92E-05	8.86E-01	4.67E+01	1.04E+01	1.91E+01	6.30E-04	--	2.18E-02	7.62E-12	1.21E-05	1.92E-14	5.90E-09	2.69E-02	1.64E-03	1.55E-05	1.88E-02
RL	RLHMOX.001-S	193.65	9.99E+03	4.29E-04	--	3.40E-04	4.94E-01	1.37E+03	7.74E+03	3.92E+03	1.70E+04	1.96E+00	--	3.00E-04	7.90E-08	2.20E-04	2.59E-12	5.82E-05	8.80E-01	4.86E-02	3.49E-03	5.93E-01
RL	RLIAEA-01	0.42	1.53E-02	--	--	6.70E-05	1.87E-07	1.74E-03	9.21E-02	2.06E-02	3.76E-02	1.24E-06	--	5.91E-05	2.25E-14	6.32E-11	3.34E-17	1.68E-11	2.82E-07	4.27E-09	2.87E-08	8.82E-15
RL	RLM308D.001-S	62.23	2.08E+03	1.08E-03	--	2.16E-03	3.72E-02	4.51E+02	9.22E+02	5.89E+02	3.16E+03	5.76E-01	--	1.93E-03	3.34E-06	1.61E-05	8.88E-05	1.23E-03	8.18E-02	1.46E-03	5.07E-04	2.27E-02
RL	RLMHASH.001-S	61.78	7.97E+02	--	--	2.01E-06	8.04E-03	6.23E+01	2.42E+03	5.99E+02	9.56E+02	8.13E-02	--	9.33E-07	5.19E-06	9.65E-07	4.50E-13	1.73E-03	6.44E-03	7.72E-05	5.70E-04	3.93E-10
RL	RLMLB-01	0.42	3.15E-02	--	--	4.75E-01	3.67E-07	4.53E-03	2.42E-01	5.38E-02	9.39E-02	3.27E-06	--	4.27E-01	4.22E-14	1.98E-10	1.03E-16	3.20E-11	8.08E-07	1.22E-08	8.15E-08	2.51E-14
RL	RLMLL-01	0.42	7.52E-02	--	--	2.41E-05	1.07E-06	9.88E-03	5.65E-01	1.26E-01	1.42E-01	7.61E-06	--	2.15E-05	1.77E-13	2.24E-06	3.33E-16	1.13E-10	4.15E-03	7.44E-06	2.24E-07	4.62E-04
RL	RLMPDT.001-S	1239.55	3.06E+03	8.93E-04	--	1.18E-02	3.80E-02	6.42E+02	4.91E+03	1.60E+03	6.85E+03	3.33E-01	--	1.05E-02	8.77E-05	1.28E-05	5.10E-07	3.23E-02	7.74E-02	7.30E-04	1.38E-03	4.35E-03
RL	RLMPURX.001-S	106.38	5.39E+02	1.15E-04	--	4.61E-03	4.99E-03	1.21E+02	7.34E+02	2.97E+02	2.48E+03	7.80E-02	--	3.81E-03	2.36E-05	1.77E-06	1.96E-13	8.41E-03	1.21E-02	3.88E-05	2.65E-04	2.62E-04
RL	RLMSSC.001-S	64.69	8.86E+02	--	--	--	7.87E-03	1.73E+02	2.79E+03	6.18E+02	3.07E+03	7.24E-02	--	--	4.76E-10	2.55E-06	4.36E-13	5.04E-07	1.74E-02	9.17E-05	5.69E-04	3.93E-04
RL	RLNPDT.002-S	445.26	7.47E+02	3.48E-03	--	7.71E-04	8.72E-03	1.62E+02	2.01E+03	4.79E+02	2.01E+03	8.39E-02	--	5.21E-04	8.10E-10	3.77E-06	6.21E-08	7.03E-07	2.11E-02	2.21E-04	4.55E-04	4.35E-04
RL	RLNPURX.001-S	39.11	3.35E+02	4.12E-05	--	1.06E-03	2.64E-03	8.08E+01	4.12E+02	1.60E+02	1.81E+03	5.02E-02	--	6.64E-04	1.40E-10	1.17E-06	1.13E-13	1.57E-07	8.05E-03	1.26E-05	1.47E-04	2.35E-10
RL	RLPFP-01	7457.30	2.36E+03	--	--	2.37E+01	1.32E-02	9.24E+04	1.97E+04	4.43E+03	2.54E+04	3.09E-01	--	2.17E+01	1.18E-03	1.14E-03	7.23E-05	4.84E-01	8.55E+00	2.25E-02	3.42E-03	4.08E-01
RL	RLPFP-03	6.86	5.10E+01	--	--	8.29E-04	4.49E-04	4.91E+00	1.82E+02	4.21E+01	1.11E+02	4.22E-03	--	7.43E-04	2.44E-11	6.64E-08	2.71E-14	2.74E-08	4.73E-04	1.17E-05	3.70E-05	5.33E-08
RL	RLPFP-04	17.68	3.71E-02	--	--	--	2.66E-07	5.09E-03	2.36E-01	5.27E-02	2.13E-01	3.19E-06	--	--	1.12E-14	5.46E-11	2.82E-17	1.41E-11	4.34E-07	6.29E-09	4.23E-08	1.30E-14
RL	RLPFP-05	18.72	1.50E+02	--	--	1.92E-05	1.13E-03	2.82E+01	3.78E+01	1.88E+01	6.93E+02	1.21E-02	--	1.71E-05	4.95E-11	3.03E-07	1.01E-14	6.13E-08	2.41E-03	1.01E-06	1.51E-05	4.92E-11
RL	RLPRC-01	4.20		--	--	6.22E-02	--	--	--	--	--	--	--	5.46E-02	--	--	--	--	--	--	--	--
RL	RLPURX-01	476.91	1.57E+02	--	--	3.12E-02	1.01E-03	3.36E+01	4.63E+02	1.29E+02	1.18E+03	2.40E-02	--	2.80E-02	3.74E-11	3.33E-07	6.40E-14	5.01E-08	2.75E-03	1.19E-05	9.96E-05	9.40E-11
RL	RLPURX-05	780.11	2.55E+02	--	--	8.18E+00	3.16E-03	2.06E+01	8.77E+02	1.96E+02	6.33E+02	1.19E-02	--	7.37E+00	3.97E-10	8.21E-07	3.47E-13	2.89E-07	3.50E-03	4.25E-05	2.86E-04	1.12E-06
RL	RLRFETS.001-S	63.44	6.43E+02	--	--	1.04E-05	6.15E-03	6.49E+01	3.79E+03	6.27E+02	1.43E+03	6.50E-02	--	1.05E-06	2.25E-05	2.43E-06	4.71E-13	7.50E-03	1.17E-02	2.94E-04	5.96E-04	3.14E-10
RL	RLSWO-01	57.78	3.37E+01	--	--	3.79E-02	2.48E-04	8.58E+00	7.87E+01	2.12E+01	1.49E+02	4.14E-03	--	1.06E-02	1.03E-11	8.49E-08	1.05E-14	1.31E-08	7.03E-04	2.10E-06	1.64E-05	1.62E-11
RL	RLVIPAC.001-S	28.35	6.92E+01	--	--	1.96E-04	1.15E-03	2.29E+01	1.78E+02	5.29E+01	7.83E+01	1.58E-02	--	1.75E-04	1.11E-10	2.36E-05	2.83E-14	9.92E-08	9.80E-02	2.52E-03	4.24E-05	4.82E-02
RL	RLWAR-01	447.00	1.27E+01	--	--	4.42E-01	6.50E-05	2.76E+00	1.21E+02	2.69E+01	1.56E+02	1.63E-03	--	4.05E-01	1.74E-12	1.32E-05	6.12E-05	2.69E-09	5.66E-02	3.34E-03	2.07E-05	7.82E-03
SA	SA-T001	6.37	1.02E+00	--	1.72E+00	--	3.18E-05	1.83E-01	3.57E+00	1.64E-02	--	--	--	--	7.29E-12	4.36E-09	4.65E-03	4.32E-09	2.37E-05	1.37E-07	1.17E-08	--
SA	SA-W134	16.02	7.00E+00	1.22E-02	5.65E-04	3.37E+01	1.25E-01	1.06E+00	1.38E+00	4.37E-01	1.34E+00	4.55E-07	--	3.11E+01	7.11E-06	5.39E-05	4.16E-16	2.12E-03	1.67E-01	1.09E-02	4.67E-07	7.96E-03
SA	SA-W134M	2.08	9.09E-01	1.58E-03	7.34E-05	4.37E+00	1.62E-02	1.38E-01	1.80E-01	5.68E-02	1.74E-01	5.91E-08	--	4.04E+00	9.23E-07	7.01E-06	5.40E-17	2.75E-04	2.17E-02	1.41E-03	6.07E-08	1.03E-03
SA	SA-W136	34.45	9.29E-01	--	--	--	5.07E-06	9.41E-01	1.97E+01	4.50E+00	1.04E+01	5.24E-04	--	--	1.51E-13	1.01E-08	2.41E-15	2.22E-10	8.03E-05	5.23E-07	3.61E-06	2.13E-12
SR	SR2001.001.00-S	61.15	1.38E+00	--	--	2.75E-06	1.09E-05	8.74E-01	9.65E+00	1.91E+00	7.77E+00	1.93E-04	--	--	5.96E-13	1.35E-08	1.44E-15	6.57E-10	9.02E-05	3.05E-07	1.82E-06	9.34E-13
SR	SR2002.002.00-S	69.89	4.79E+00	--	--	9.40E-06	4.11E-05	3.80E-01	1.13E+01	2.62E+00	1.85E+01	3.57E-04	--	7.80E-07	2.57E-04	5.49E-09	1.84E-15	8.85E-02	3.78E-05	3.47E-07	2.41E-06	1.67E-12
SR	SR-BCLCH-MT01	11.34	3.27E+01	--	--	--	2.50E-04	3.04E+03	6.22E+01	1.63E+01	1.84E+02	2.65E-03	--	--	1.25E-11	4.10E-05	1.07E-14	1.44E-08	2.92E-01	1.84E-06	1.45E-05	1.20E-11
SR	SR-T001-221H-HEPA	62.37	3.01E-01	--	--	--	2.94E-04	2.58E+02	2.56E-01	1.50E-01	9.39E-01	1.56E-04	--	--	1.19E-10	9.38E-06	2.04E-16	5.69E-08	4.19E-02	1.09E-08	1.92E-07	1.01E-12
SR	SR-W026-221F-HEPA	378.00	2.61E+02	--	--	--	2.46E-03	2.13E+03	8.64E+02	2.01E+02	1.18E+03	7.35E-02	--	--	1.95E-10	6.33E-05	2.73E-13	1.77E-07	3.10E-01	3.66E-05	2.57E-04	1.88E-08
SR	SR-W026-221F-HET	1089.92	2.39E+02	7.50E-04	5.03E-02	--	4.23E-03	2.08E+02	6.32E+02	1.52E+02	1.27E+03	2.51E-01	--	--	2.52E-04	1.26E-05	4.69E-13	9.26E-02	5.74E-02	1.33E-03	3.93E-04	7.19E-03
SR	SR-W026-221F-HET-S	552.35	3.30E+02	5.27E-05	2.83E-02	1.32E-04	7.25E-03	2.45E+02	1.03E+03	2.84E+02	1.20E+03	3.55E-02	--	1.37E-04	9.15E-10	3.07E-05	3.49E-05	7.31E-07	1.29E-01	1.46E-03	2.45E-04	9.01E-03
SR	SR-W026-221F-HOM	16.66	8.29E-01	--	--	--	9.00E-06	8.86E-01	4.34E+00	8.29E-01	2.81E+00	9.91E-05	--	--	9.09E-13	2.85E-08	1.13E-15	7.35E-10	1.34E-04	1.92E-07	1.06E-06	2.11E-09
SR	SR-W026-772F-HET	834.88	3.58E+02	--	4.95E-02	3.29E+00	5.96E-01	2.52E+04	4.75E+02	1.17E+02	1.45E+03	9.18E-02	--	3.22E+00	1.46E-05	1.23E-03	7.49E-12	5.42E-03	5.84E+00	2.69E-03	5.28E-03	9.18E-03
SR	SR-W026-772F-HET-S	1306.27	1.18E+02	6.48E-04	3.33E-02	2.00E-02	7.07E-02	2.21E+03	2.63E+02	7.46E+01	3.41E+02	1.23E-02	--	1.59E-02	1.84E-04	1.46E-04	3.95E-04	6.77E-02	6.56E-01	1.01E-03	6.42E-05	7.82E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W027-221F-HET	1490.34	3.77E+03	--	--	--	2.98E-02	3.29E+03	7.15E+03	1.63E+03	1.90E+04	9.24E-01	--	--	1.53E-09	4.44E-05	1.08E-12	1.75E-06	3.16E-01	2.12E-04	1.46E-03	1.48E-05
SR	SR-W027-221F-HETA-S	2080.85	7.59E+02	4.43E-06	--	2.55E-01	1.42E-02	1.61E+02	1.69E+03	5.55E+02	2.89E+03	9.28E-02	--	6.80E-05	4.87E-05	6.91E-05	9.95E-05	1.73E-02	2.63E-01	1.69E-04	4.94E-04	2.17E-03
SR	SR-W027-221H-HEPA	137.97	1.68E+01	--	--	--	5.16E-02	1.22E+04	1.61E+01	7.04E+00	1.01E+02	7.03E-03	--	--	7.64E-09	1.32E-04	1.36E-12	6.04E-06	1.05E+00	8.21E-05	1.02E-03	3.25E-06
SR	SR-W027-221H-HET-A	5568.93	4.78E+02	6.11E-04	--	2.45E+01	1.62E+01	4.43E+05	1.34E+03	5.16E+02	3.72E+03	3.01E-01	--	2.40E+01	3.30E-05	6.17E-03	1.60E-10	1.32E-02	4.34E+01	4.90E-02	1.12E-01	1.17E-02
SR	SR-W027-221H-HET-S	2521.93	1.93E+02	2.04E-02	--	5.71E-03	2.09E-01	3.07E+04	1.30E+02	5.11E+01	1.39E+03	2.45E-02	--	5.60E-03	2.46E-04	2.15E-03	2.73E-03	9.05E-02	9.63E+00	1.56E-03	4.40E-05	2.49E-03
SR	SR-W027-235F-HET	733.92	7.48E+02	--	--	--	5.14E+00	1.88E+05	2.57E+02	1.24E+02	8.01E+03	2.94E-01	--	--	8.83E-07	2.23E-03	2.14E-11	6.49E-04	1.69E+01	1.33E-03	1.55E-02	1.39E-03
SR	SR-W027-235F-HET-S	301.51	2.25E+01	1.11E-05	--	8.62E-05	3.61E-02	1.74E+03	9.64E+00	6.52E+00	1.07E+02	3.36E-03	--	8.45E-05	5.73E-09	1.25E-04	2.51E-04	4.37E-06	5.69E-01	7.53E-04	5.42E-06	9.01E-05
SR	SR-W027-235F-HOMO	5.83	1.31E+00	--	--	--	1.47E-05	9.59E+02	9.37E-01	5.08E-01	3.65E+00	6.02E-04	--	--	1.47E-12	2.70E-05	6.57E-16	1.21E-09	1.35E-01	3.88E-08	6.34E-07	3.82E-12
SR	SR-W027-773A-HET	2495.78	7.20E+01	3.48E+01	1.20E+03	4.31E+02	4.03E-04	1.54E+04	3.24E+02	9.35E+01	7.78E+02	1.02E+00	1.25E-10	4.23E+02	1.24E-04	1.91E-04	8.24E-04	4.74E-02	1.42E+00	1.41E-03	8.31E-03	2.99E-03
SR	SR-W027-773A-HET-S	358.24	4.29E+01	2.49E-01	4.70E+00	1.18E-02	3.45E-02	1.49E+03	9.03E+01	2.20E+01	1.21E+02	2.37E-03	--	1.16E-02	5.46E-09	1.00E-04	1.31E-04	4.17E-06	4.61E-01	1.72E-04	1.83E-05	1.50E-03
SR	SR-W027-999-AGNS-HET	56.84	4.04E+00	--	--	--	5.36E-03	2.73E+00	6.50E+00	1.95E+00	7.85E+00	2.39E-04	--	--	3.04E-09	3.33E-07	2.07E-13	1.23E-06	9.34E-04	1.73E-05	8.07E-05	2.47E-07
SR	SR-W027-999-AGNS-HOM	5.83	1.53E+01	--	--	--	3.26E-03	2.36E+00	6.07E+00	1.42E+00	5.04E+00	2.46E-04	--	--	1.76E-09	2.97E-07	2.93E-15	7.22E-07	8.28E-04	1.97E-05	2.24E-06	4.14E-04
SR	SR-W027-999-LASL-HET	44.30	1.84E+02	--	--	--	3.19E-03	4.65E+04	5.31E+01	3.35E+01	1.81E+02	3.85E-02	--	--	6.98E-10	3.06E-03	9.15E-14	3.90E-07	1.03E+01	3.20E-06	6.07E-05	3.55E-10
SR	SR-W027-999-LASL-HOM	5.82	1.85E+01	--	--	--	3.22E-04	1.04E+04	1.16E+01	6.37E+00	1.82E+01	7.57E-03	--	--	7.03E-11	6.87E-04	1.74E-14	3.93E-08	2.32E+00	7.00E-07	1.15E-05	6.97E-11
SR	SR-W027-999-MD-HET	1675.12	4.14E+02	--	5.44E-04	--	7.30E-03	3.24E+05	3.91E+02	2.08E+02	6.41E+02	2.38E-01	7.92E-15	--	2.25E-04	2.13E-02	5.70E-13	3.95E-02	7.20E+01	2.31E-04	3.78E-04	4.59E-03
SR	SR-W027-999-MD-HOM-A	2.29	3.31E-02	--	--	--	2.80E-05	2.45E+01	2.10E-02	1.68E-03	6.00E-03	9.78E-08	--	--	1.70E-11	1.58E-06	3.73E-18	6.62E-09	5.42E-03	3.26E-07	2.74E-09	4.23E-16
SR	SR-W027-999-MD-HOM-B	22.64	3.27E-01	--	--	--	2.77E-04	2.42E+02	2.08E-01	1.66E-02	5.94E-02	9.68E-07	--	--	1.68E-10	1.57E-05	3.69E-17	6.55E-08	5.36E-02	3.22E-06	2.71E-08	4.19E-15
SR	SR-W027-999-MD-HOM-C	1.04	1.50E-02	--	--	--	1.27E-05	1.11E+01	9.56E-03	7.62E-04	2.73E-03	4.45E-08	--	--	7.72E-12	7.20E-07	1.69E-18	3.01E-09	2.46E-03	1.48E-07	1.25E-09	1.92E-16
SR	SR-W027-999-MD-SOIL	90.53	3.93E-02	--	--	--	1.24E-04	1.28E+01	5.38E-01	--	--	1.83E-08	--	--	7.62E-11	6.65E-07	--	2.96E-08	2.51E-03	2.92E-08	--	7.90E-17
SR	SR-W027-FB-PRE86-C-S	2385.10	6.48E+02	1.13E-04	3.56E-02	9.23E-05	1.29E-02	1.29E+02	3.32E+03	4.45E+02	1.90E+03	2.20E-01	--	7.33E-05	9.97E-06	3.20E-05	6.22E-05	3.55E-03	1.25E-01	2.04E-04	3.97E-04	2.77E-04
SR	SR-W027-HBL-Box-A	339.60	3.94E+00	--	--	--	1.02E-01	2.88E+03	2.83E+00	1.54E+00	1.05E+01	1.82E-03	--	--	3.82E-08	8.54E-05	2.09E-15	1.90E-05	4.18E-01	1.20E-07	1.96E-06	1.18E-11
SR	SR-W027-SRSG-HET	1889.08	9.05E+02	2.95E-02	4.30E-01	--	1.10E+00	2.30E+03	1.74E+03	3.89E+02	1.25E+03	4.69E+00	--	--	2.39E-02	5.41E-03	8.74E-11	4.55E+00	1.10E+01	8.49E-03	3.19E-02	4.97E-01
SR	SR-W027-SRSG-HOM	22.28	1.15E+01	1.24E-03	1.45E-02	--	2.30E-02	1.21E+03	1.03E+02	1.38E+01	1.83E+01	1.05E-02	--	--	1.46E-08	7.12E-05	5.46E-13	5.57E-06	2.53E-01	3.00E-05	2.09E-04	5.35E-04
Grand Total		**168485.00**	**4.89E+05**	**9.24E+01**	**2.71E+03**	**4.37E+03**	**3.83E+01**	**1.71E+06**	**5.38E+05**	**1.31E+05**	**5.19E+05**	**5.69E+01**	**3.19E-04**	**1.25E+03**	**3.27E+00**	**2.19E-01**	**1.45E+00**	**7.79E+02**	**3.77E+02**	**8.66E+00**	**1.96E+00**	**5.80E+01**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	220.78	1.91E+01	5.84E-05	1.05E-01	4.11E+01	3.26E-03	1.33E+01	3.24E+01	7.07E+00	1.24E+01	--	--	2.27E+01	1.85E-06	7.78E-07	1.75E-14	3.41E-04	2.77E-03	2.89E-04	1.22E-05	1.13E-04
AW (MFC)	AW-T031.1322	94.27	3.57E+00	1.07E-03	3.53E-03	1.59E+04	3.51E-03	1.97E+00	8.16E-03	3.91E+01	2.05E+01	1.09E-03	--	2.08E+04	3.25E-09	3.51E-06	4.90E-13	1.38E-06	1.31E-02	8.17E-03	3.48E-04	3.45E-05
AW (MFC)	AW-W020.13	65.09	8.74E+01	--	--	5.19E+02	1.26E-03	--	3.65E+01	1.14E+01	4.66E+02	--	--	9.82E+01	2.73E-03	4.92E-06	1.34E-14	7.29E-01	1.37E-02	9.24E-03	1.36E-05	1.49E-03
AW (MFC)	AW-W026	0.89	1.50E-01	--	--	8.16E-02	2.01E-06	--	2.81E-02	--	--	--	--	2.83E-01	2.22E-13	8.00E-15	--	1.77E-10	4.45E-11	2.89E-06	--	3.93E-07
AW (MFC)	AW-W028	36.80	--	--	--	5.90E+00	--	--	1.29E+00	6.74E-02	--	--	--	1.60E+01	--	7.26E-13	7.92E-17	--	4.04E-09	6.63E-05	8.01E-08	3.57E-05
AW (MFC)	AW-W046	24.23	--	--	--	1.12E+04	--	--	2.91E+00	--	--	--	--	1.19E+04	--	--	--	--	--	6.93E-03	--	--
AW (MFC)	AW-W047	12.56	--	--	--	9.86E+02	--	--	1.02E-02	--	--	--	--	1.05E+03	--	--	--	--	--	3.03E-10	--	--
BT	BT-T001	2.67	3.64E+00	1.94E-02	1.52E-01	4.92E+03	2.70E-02	1.75E+02	3.76E-01	4.21E-01	7.63E+00	2.99E-03	--	4.77E+03	4.40E-02	1.24E-03	2.27E-03	8.22E+00	1.17E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	1.21E+00	6.48E-03	5.06E-02	1.64E+03	9.00E-03	5.82E+01	1.25E-01	1.40E-01	2.54E+00	9.97E-04	--	1.59E+03	1.47E-02	4.14E-04	7.56E-04	2.74E+00	3.89E-01	2.22E-03	2.52E-02	1.54E-05
IN	IN-AE-AGHC-01	183.34	9.21E+01	--	--	8.28E+02	7.29E-04	3.16E+01	1.42E+02	7.46E+01	3.05E+02	2.35E-02	--	6.01E+02	6.42E-04	1.12E-04	3.99E-14	2.54E-01	4.62E-01	1.63E-02	5.98E-05	2.72E-03
IN	IN-AW-161	1.78	--	--	--	5.29E-01	--	--	4.92E+00	1.05E-01	--	--	--	3.79E-01	--	--	1.56E-16	--	--	3.10E-06	1.40E-07	--
IN	IN-INTEC-SFS-01	0.89	1.79E+00	--	--	1.69E+00	2.29E-05	1.37E+00	2.42E-01	2.79E-01	4.34E+00	1.01E-03	--	1.20E+00	3.11E-12	7.08E-08	6.20E-16	2.17E-09	2.67E-04	8.61E-06	4.56E-07	8.35E-12
IN	IN-NRF-153	8.01	1.30E-02	--	--	--	1.63E-07	1.88E-01	3.24E-03	3.49E-03	3.33E-02	1.16E-05	--	--	2.13E-14	9.33E-09	7.48E-18	1.51E-11	3.59E-05	4.74E-05	5.60E-09	9.46E-14
IN	IN-TRA-150	3.56	3.62E+01	--	--	--	5.22E-04	3.19E+01	--	--	--	--	--	--	6.67E-11	9.48E-07	--	4.94E-08	4.64E-03	--	--	--
IN	IN-TRA-157	4.45	1.50E-01	--	4.44E-03	1.14E-01	1.95E-06	1.17E-01	4.17E-03	4.23E-05	--	--	--	1.02E+00	7.59E-06	2.23E-07	2.16E-20	2.08E-03	6.43E-04	1.61E-10	3.03E-11	--
IN	IN-W208.243	0.89	1.82E+01	--	--	--	2.37E-04	1.05E+00	4.25E+01	9.57E+00	2.95E+01	6.94E-04	--	--	2.94E-11	3.46E-08	1.42E-14	2.18E-08	1.62E-04	3.62E-05	1.28E-05	4.71E-12
IN	IN-W216.876	15.13	7.37E+02	--	--	--	1.11E-02	8.63E-01	3.48E+01	7.88E+00	2.41E+01	5.69E-04	--	--	1.55E-09	2.84E-08	1.17E-14	1.10E-06	1.32E-04	1.54E-06	1.05E-05	3.86E-12
IN	IN-W216.877	43.61	1.06E+03	--	--	--	1.60E-02	1.24E+00	5.01E+01	1.13E+01	3.48E+01	8.20E-04	--	--	2.23E-09	4.09E-08	1.69E-14	1.58E-06	1.91E-04	2.22E-06	1.52E-05	5.57E-12
IN	IN-W228.884	8.90	6.40E+00	--	--	--	9.54E-05	4.03E-02	1.63E+00	3.68E-01	1.12E+00	2.65E-05	--	--	1.32E-11	1.32E-09	5.47E-16	9.38E-09	6.18E-06	7.22E-08	4.92E-07	1.80E-13
IN	IN-W228.885	0.89	1.06E-01	--	--	--	1.59E-06	6.74E-04	2.71E-02	6.13E-03	1.88E-02	4.42E-07	--	--	2.20E-13	2.21E-11	9.12E-18	1.56E-10	1.03E-07	1.20E-09	8.20E-09	3.00E-15
IN	IN-W228.886	21.36	7.69E+00	--	--	--	1.14E-04	4.84E-02	1.95E+00	4.40E-01	1.35E+00	3.18E-05	--	--	1.59E-11	1.59E-09	6.55E-16	1.13E-08	7.41E-06	8.67E-08	5.89E-07	2.16E-13
IN	IN-W243.276	3.56	1.80E+00	--	--	--	2.05E-05	1.88E-01	7.61E+00	1.72E+00	5.26E+00	1.24E-04	--	--	2.19E-12	6.18E-09	2.56E-15	1.73E-09	2.88E-05	2.53E-06	2.30E-06	1.52E-07
IN	IN-W243.277	1.78	3.59E+00	--	--	--	4.10E-05	3.77E-01	1.52E+01	3.44E+00	1.05E+01	2.47E-04	--	--	4.38E-12	1.24E-08	5.11E-15	3.46E-09	5.78E-05	5.07E-06	4.60E-06	3.03E-07
IN	IN-W252.282	17.80	2.62E+01	--	--	--	2.82E-04	3.19E+00	1.29E+02	2.91E+01	8.92E+01	2.10E-03	--	--	2.81E-11	1.05E-07	4.32E-14	2.29E-08	4.90E-04	5.72E-06	3.89E-05	1.43E-11
IN	IN-W254.1045	1.78	1.31E+00	--	--	--	1.31E-05	1.91E-01	7.70E+00	1.74E+00	5.34E+00	1.26E-04	--	--	1.14E-12	6.27E-09	2.59E-15	9.89E-10	2.93E-05	3.42E-07	2.33E-06	8.55E-13
IN	IN-W294.343	8.90	5.38E+00	--	--	--	5.67E-05	6.92E-01	2.80E+01	6.33E+00	1.94E+01	4.58E-04	--	--	5.46E-12	2.27E-08	9.41E-15	4.52E-09	1.06E-04	1.92E-05	8.46E-06	3.10E-12
IN	IN-W296.330	12.46	1.84E+00	--	--	--	5.81E-05	2.24E-01	9.07E+00	2.05E+00	6.28E+00	1.48E-04	--	--	1.77E-11	7.37E-09	3.04E-15	9.09E-09	3.44E-05	1.80E-06	2.74E-06	1.01E-12
IN	IN-W296.331	12.46	6.15E+00	--	--	--	1.93E-04	7.49E-01	3.02E+01	6.83E+00	2.10E+01	4.95E-04	--	--	5.90E-11	2.46E-08	1.02E-14	3.02E-08	1.15E-04	5.98E-06	9.13E-06	3.36E-12
IN	IN-W298.318	8.01	2.54E+01	--	--	--	2.99E-04	2.39E+00	9.60E+01	2.18E+01	6.68E+01	1.58E-03	--	--	3.32E-11	7.84E-08	3.24E-14	2.58E-08	3.66E-04	4.26E-06	2.91E-05	1.07E-11
IN	IN-W358.949	10.68	--	--	--	--	--	3.69E+03	2.26E+01	4.33E+01	--	--	--	--	--	8.32E-05	4.59E-14	--	4.64E-01	8.48E-07	4.89E-05	--
IN	IN-W372.918	4.45	1.48E-01	--	--	1.02E-01	1.88E-06	1.03E-01	3.64E-03	--	--	--	--	--	1.87E-13	2.32E-09	--	1.57E-10	1.29E-05	1.37E-10	--	--
KA	KA-T001	502.99	1.90E-01	2.79E-04	2.45E-03	2.00E+02	4.53E-03	1.18E+01	4.01E-02	1.00E-02	3.21E-01	3.84E-05	9.10E-12	1.86E+02	1.20E-08	1.47E-05	2.25E-10	2.68E-06	2.68E-02	3.83E-04	3.63E-03	1.68E-06
KA	KA-W016	52.53	1.98E-02	2.92E-05	2.56E-04	2.09E+01	4.73E-04	1.23E+00	4.19E-03	1.05E-03	3.35E-02	4.01E-06	9.51E-13	1.95E+01	1.25E-09	1.53E-06	2.35E-11	2.79E-07	2.80E-03	4.00E-05	3.79E-04	1.75E-07
LA	LA-TA-00-03	1.78	--	--	--	--	--	--	1.24E+01	--	--	--	--	--	--	--	--	--	--	7.57E-07	--	--
LA	LA-TA-03-27	96.12	2.68E+00	--	--	8.54E+02	3.35E-05	1.03E+00	2.33E+02	2.52E+00	6.84E+00	1.52E-03	--	7.52E+02	4.37E-12	8.96E-07	2.70E-14	3.11E-09	1.94E-03	9.31E-03	1.22E-05	4.09E-05
OR	OR-W211	294.45	3.66E+01	1.12E-01	3.94E+01	3.05E+01	5.96E-04	8.09E-01	4.41E+00	3.25E+00	1.34E+00	8.10E-03	1.27E-09	1.43E+01	7.07E-03	1.49E-07	1.51E-05	1.57E+00	4.07E-04	1.65E-04	1.48E-05	1.04E-04
OR	OR-W212	146.78	4.21E+01	--	4.86E+01	1.16E+03	6.79E-04	4.29E+01	5.75E-01	7.07E-01	1.81E+00	--	7.12E-11	7.18E+02	1.42E-06	1.63E-06	1.06E-03	3.17E-04	7.10E-03	4.93E-04	6.50E-07	--
OR	OR-W213	1020.04	3.54E+01	1.08E-02	3.76E-02	1.97E+02	3.64E-02	5.30E+00	1.72E+01	2.13E-02	2.23E+01	9.50E-03	--	1.62E+00	2.56E+01	4.30E-02	4.09E-01	3.32E+01	1.88E+00	2.80E-02	2.98E-02	3.56E-01
OR	OR-W214	2.67	2.97E-03	--	6.67E-05	3.54E-01	1.19E-04	4.01E-04	5.56E-03	9.70E-07	--	--	--	5.72E-03	3.77E-07	1.93E-11	7.99E-22	8.40E-05	8.30E-08	3.73E-10	8.92E-13	1.05E-04
OR	OR-W215	1824.83	2.57E+03	--	2.93E+03	7.22E+04	1.73E-01	2.04E+03	1.78E+03	2.07E+02	6.35E+02	7.92E-01	2.37E-11	1.92E+05	3.84E+00	2.35E-02	7.06E+00	8.54E+02	5.47E+01	2.72E+00	9.63E-02	1.08E+02
RL	RL105-07	72.98	2.22E+01	1.79E-04	1.72E+00	4.09E+01	4.01E-03	2.02E+00	1.16E+01	6.38E+00	8.51E+01	2.64E-03	--	1.52E+01	1.17E-09	6.54E-06	2.38E-04	6.86E-07	2.61E-02	9.76E-04	3.67E-03	2.11E-02
RL	RL105-09	518.87	5.01E+03	--	--	2.75E+02	3.78E-02	3.72E+02	3.68E+00	6.55E+00	3.20E+04	--	--	2.76E+02	1.95E-09	5.76E-06	4.92E-15	2.20E-06	3.84E-02	1.16E-07	6.22E-06	--
RL	RL324-07	67.64	1.20E+02	--	--	2.61E+04	1.21E-03	4.62E+00	7.98E+00	2.22E+00	1.31E+02	7.04E-02	--	1.32E+04	8.26E-11	7.15E-08	1.67E-15	8.33E-08	4.77E-04	2.52E-07	2.11E-06	3.40E-10
RL	RL324-08	67.64	4.83E+02	--	--	6.24E+04	5.11E-03	2.31E+01	5.69E+00	5.56E+00	5.82E+01	8.96E-03	--	4.16E+04	3.59E-10	3.58E-07	4.18E-15	3.58E-07	2.39E-03	1.80E-07	5.29E-06	4.33E-11
RL	RL325-07	143.29	1.44E+04	--	--	2.17E+02	2.04E-01	6.45E+02	5.43E+01	6.99E+01	2.49E+04	3.50E-02	--	1.28E+02	3.11E-08	2.94E-05	1.39E-13	2.07E-05	1.18E-01	9.51E-04	1.08E-04	2.74E-10
RL	RL325-08	13.35	2.03E+01	--	--	1.80E+02	1.37E-04	4.06E+00	3.20E+01	1.59E+01	1.63E+02	--	--	1.71E+02	6.01E-12	6.29E-08	1.20E-14	7.30E-09	4.19E-04	1.01E-06	1.51E-05	--
RL	RL327-07	16.91	3.21E+02	--	--	1.09E+04	4.16E-03	7.16E+01	1.60E+02	1.09E+02	7.24E+02	9.63E-02	--	3.98E+03	5.66E-10	5.39E-06	9.63E-13	3.97E-07	1.77E-02	3.88E-03	4.65E-04	9.58E-03
RL	RLBAT-08	22.25	1.27E-06	--	--	--	1.07E-11	1.60E-07	7.78E-06	1.74E-06	5.26E-06	1.05E-10	--	--	6.07E-19	2.31E-15	1.23E-21	6.61E-16	1.59E-11	2.38E-13	1.60E-12	4.91E-19
RL	RLPURX-07	113.03	1.05E+00	--	--	4.45E+00	1.34E-05	1.51E-01	1.52E+00	7.56E-01	2.55E+00	2.24E-05	--	3.97E+00	1.82E-12	7.81E-09	1.68E-15	1.27E-09	2.95E-05	8.27E-08	1.24E-06	1.86E-13
RL	RLSWO-08	121.04	1.78E+01	--	--	--	1.56E-04	2.22E+00	1.09E+02	2.43E+01	7.02E+01	1.47E-03	--	--	9.40E-12	3.44E-08	1.83E-14	9.93E-09	2.29E-04	3.44E-06	2.31E-05	7.10E-12
RL	RLWTP-08	846.25	6.66E+03	8.12E-01	--	1.60E+06	4.55E+00	2.34E+02	4.62E+03	7.88E+02	2.18E+03	5.40E-02	--	1.11E+06	8.48E-02	5.33E-03	4.69E-10	3.35E+01	2.20E+01	9.39E-01	3.52E-01	2.09E+01
SA	SA-W135	19.58	8.69E+01	--	5.43E-01	1.02E+03	4.76E-03	1.41E+01	1.21E+01	1.82E+00	2.39E-02	--	--	9.97E+02	1.08E-09	1.04E-05	1.73E-15	6.66E-07	3.30E-02	2.35E-03	1.94E-06	7.84E-04
SR	SR-BCLRH-MT01	0.89	3.46E+00	1.91E-02	6.52E-01	2.55E+01	2.61E-04	1.94E+00	3.16E-01	5.17E-01	9.78E+00	1.54E-03	--	1.64E+01	1.21E-10	2.64E-07	2.52E-13	5.93E-08	1.07E-03	1.28E-05	1.70E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	2.40E-02	1.32E-04	4.52E-03	1.77E-01	1.80E-06	1.35E-02	2.19E-03	3.58E-03	6.78E-02	1.07E-05	--	1.13E-01	8.36E-13	1.83E-09	1.76E-15	4.10E-10	7.41E-06	8.91E-08	1.19E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	9.04E-01	--	1.57E-01	4.17E-01	9.00E-06	8.75E-01	1.17E-01	1.91E-01	--	--	--	1.65E+01	4.58E-11	1.52E-07	1.52E-13	1.67E-08	6.04E-04	7.80E-06	1.03E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	2.41E+00	1.33E-02	4.54E-01	1.78E+01	1.82E-04	1.35E+00	2.20E-01	3.61E-01	6.82E+00	1.08E-03	--	1.14E+01	8.42E-11	1.84E-07	1.77E-13	4.13E-08	7.42E-04	8.94E-06	1.19E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	7.21E+01	3.97E-01	1.36E+01	5.30E+02	5.44E-03	4.05E+01	6.58E+00	1.08E+01	2.04E+02	3.22E-02	--	3.42E+02	2.52E-09	5.48E-06	5.27E-12	1.24E-06	2.22E-02	2.69E-04	3.56E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	4.93E+00	2.71E-02	9.29E-01	3.62E+01	3.71E-04	2.77E+00	4.49E-01	7.36E-01	1.39E+01	2.20E-03	--	2.32E+01	1.72E-10	3.76E-07	3.60E-13	8.44E-08	1.52E-03	1.83E-05	2.44E-04	3.56E-04
SR	SR-BCLRH-T006	0.89	1.16E+00	6.36E-03	2.18E-01	8.50E+00	8.72E-05	6.48E-01	1.06E-01	1.73E-01	3.28E+00	5.16E-04	--	5.49E+00	4.04E-11	8.80E-08	8.45E-14	1.98E-08	3.56E-04	4.31E-06	5.71E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	9.56E-03	5.24E-05	1.80E-03	7.03E-02	7.19E-07	5.35E-03	8.71E-04	1.43E-03	2.71E-02	4.24E-06	--	4.53E-02	3.33E-13	7.28E-10	6.97E-16	1.63E-10	2.94E-06	3.56E-08	4.71E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	1.14E-01	6.27E-04	2.15E-02	8.41E-01	8.58E-06	6.40E-02	1.04E-02	1.71E-02	3.23E-01	5.07E-05	--	5.40E-01	3.97E-12	8.69E-09	8.33E-15	1.95E-09	3.52E-05	4.25E-07	5.63E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	7.67E-01	4.22E-03	1.45E-01	5.67E+00	5.78E-05	4.31E-01	7.01E-02	1.15E-01	2.17E+00	3.42E-04	--	3.64E+00	2.68E-11	5.86E-08	5.63E-14	1.32E-08	2.37E-04	2.85E-06	3.80E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	4.76E+00	6.95E-02	1.16E+00	3.58E+02	4.51E-03	1.86E-02	1.36E-03	2.24E-02	4.20E-02	1.00E-05	--	1.90E+02	2.04E-09	1.64E-09	1.57E-15	1.02E-06	6.82E-06	4.86E-08	1.07E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	4.55E-02	--	6.06E-03	2.87E-01	4.53E-07	2.22E-02	1.06E-02	3.60E-05	--	--	--	1.52E-01	2.80E-14	5.75E-09	1.02E-20	2.97E-11	2.24E-05	3.14E-10	1.90E-11	--
SR	SR-T003-773A-HET	140.96	--	2.57E-01	--	1.56E+02	--	1.65E+01	3.18E-04	--	--	--	--	1.52E+02	--	5.96E-07	--	--	2.66E-03	6.77E-12	--	--
SR	SR-W027-SRSG-HET-RH	102.78	1.02E+01	4.55E+00	5.35E+01	--	3.33E-02	1.21E+01	2.16E+01	7.73E+00	1.58E+01	2.33E-03	1.39E-12	--	2.12E-08	6.55E-07	1.66E-14	8.09E-06	2.42E-03	1.19E-06	1.22E-05	1.97E-11

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
Grand Total		7079.00	3.21E+04	6.31E+00	3.10E+03	1.82E+06	5.15E+00	7.56E+03	7.80E+03	1.54E+03	6.24E+04	1.16E+00	1.37E-09	1.41E+06	2.96E+01	7.38E-02	7.48E+00	9.34E+02	8.14E+01	3.76E+00	5.92E-01	1.30E+02

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	104.68	4.69E+01	1.86E+00	9.36E-04	9.65E-02	1.25E-01	2.36E+01	8.52E+01	6.38E+01	2.10E-01	2.62E-02	2.83E-15	9.21E-02	8.93E-03	1.02E-04	7.96E-13	4.20E-02	9.36E-02	1.50E-03	2.47E-04	4.41E-02
AE	AECHHM-S	14.15	1.20E+01	5.08E-03	--	7.57E-05	2.25E-03	1.64E+00	4.11E+01	1.63E+01	2.08E-09	2.02E-03	--	7.23E-05	3.17E-04	6.95E-06	2.03E-13	1.12E-06	6.38E-03	1.11E-04	6.31E-05	2.69E-03
AE	AE-T001	513.85	1.65E+02	--	--	5.78E-01	2.21E+00	1.42E+01	4.67E+02	2.73E+02	9.77E-01	2.25E-01	--	3.73E-01	4.23E-03	4.55E-05	2.04E-04	3.10E-01	3.90E-02	9.32E-03	1.26E-03	1.63E-01
AE	AE-T003	109.74	1.97E+01	--	--	1.50E-03	6.92E-02	1.78E+00	1.35E+02	5.19E+01	5.05E-01	1.47E-03	--	3.48E-03	6.06E-04	1.10E-06	8.07E-13	4.49E-02	1.40E-03	3.73E-04	2.25E-04	7.84E-03
AE	MU-W002-S	4.79	5.72E+00	1.12E-03	--	9.09E-08	4.12E-03	--	2.26E-02	--	--	--	--	8.68E-08	1.08E-03	3.73E-12	--	2.26E-06	6.38E-09	2.90E-09	--	1.73E-05
AW (MFC)	AW-N026.82	3.78		--	--	2.22E-01	--	--	3.50E-02	--	--	--	--	1.01E+00	--	--	--	--	--	4.84E-09	--	--
AW (MFC)	AW-N027.531	26.60	7.50E-02	--	--	--	3.61E-06	3.90E+01	8.64E+01	5.17E-01	6.65E-04	6.60E-06	--	--	1.03E-07	2.05E-05	7.17E-15	8.06E-06	2.79E-02	6.70E-05	2.11E-06	2.06E-07
AW (MFC)	AW-T033.1325	157.54	4.45E-01	--	--	--	2.11E-05	2.35E+02	5.12E+02	3.06E+00	4.34E-03	3.91E-05	--	--	6.00E-07	1.19E-04	4.12E-14	4.77E-05	1.64E-01	3.96E-04	1.23E-05	1.22E-06
AW (MFC)	AW-W049	51.54		--	--	--	--	--	2.21E+00	--	--	--	--	--	--	--	--	--	--	2.73E-07	--	--
BT	BT-T002	18.90	1.14E-02	3.98E-05	1.71E-05	1.05E+00	5.78E-05	3.36E-01	7.35E-04	1.49E-03	2.94E-04	1.17E-05	6.73E-13	9.62E-01	2.00E-10	2.53E-06	2.01E-12	3.28E-08	2.24E-03	2.65E-05	3.02E-04	1.22E-07
IN	BN004-S	283.53	2.60E+02	--	1.30E-02	1.31E-04	1.80E-01	1.60E+01	1.06E+03	2.38E+02	4.53E+00	2.05E-02	--	2.02E-04	2.92E-03	1.85E-05	2.92E-12	2.43E-01	2.02E-02	2.46E-03	9.15E-04	1.52E-03
IN	BN161-S	61.88	5.01E+01	--	--	--	2.79E-03	3.62E+00	2.33E+02	5.27E+01	8.53E-01	4.31E-03	--	--	4.39E-09	1.55E-06	6.38E-13	9.42E-07	2.29E-03	3.22E-05	2.01E-04	8.32E-11
IN	BN211-S	545.88	4.81E+02	2.75E-07	--	7.41E-08	4.65E-02	3.24E+01	2.05E+03	4.70E+02	7.33E+00	3.97E-02	--	1.15E-07	3.63E-04	1.69E-05	5.69E-12	3.04E-02	2.32E-02	8.86E-04	1.79E-03	4.60E-06
IN	BN243-S	152.72	3.63E+01	--	1.01E-02	7.54E-09	4.12E-03	1.95E+00	1.10E+02	2.43E+01	4.14E-01	2.48E-03	--	1.17E-08	1.01E-08	1.87E-06	2.94E-13	1.85E-06	2.13E-03	2.55E-04	9.28E-05	4.79E-11
IN	BN252-S	168.27	1.82E+02	--	--	2.37E-08	6.89E-02	1.31E+01	9.89E+02	2.10E+02	4.59E+00	2.28E-02	--	3.45E-08	2.12E-07	5.96E-06	2.55E-12	3.62E-05	8.62E-03	3.15E-04	8.04E-04	4.40E-10
IN	BN296-S	492.08	6.23E+02	--	9.60E-03	4.91E-07	6.68E-02	3.03E+01	1.71E+03	3.77E+02	6.00E+00	3.88E-02	--	8.08E-07	6.74E-05	1.39E-05	4.56E-12	5.67E-03	2.00E-02	1.00E+00	1.44E-03	6.48E-04
IN	BN304-S	322.14	5.09E+01	--	--	2.25E-05	4.66E-03	5.68E+03	3.03E+01	2.26E+01	5.79E-01	1.94E-02	--	4.19E-05	1.05E-08	2.39E-03	2.74E-13	1.97E-06	3.57E+00	4.70E-05	8.65E-05	2.38E-02
IN	BN510-S	2311.90	6.87E+02	--	--	1.79E-05	7.50E-02	7.10E+01	2.75E+03	5.89E+02	1.14E+01	5.06E-02	--	2.71E-05	1.44E-04	1.19E-03	7.01E-12	1.21E-02	1.06E+00	1.01E+00	2.23E-03	2.23E-02
IN	BN835-S	958.88	2.79E+01	--	--	4.30E-06	6.08E-03	5.22E+02	2.89E+00	1.82E+00	7.47E-02	1.81E-03	--	6.88E-06	1.75E-08	2.20E-04	2.20E-14	3.05E-06	3.28E-01	4.99E-07	6.94E-06	2.14E-04
IN	BN836-S	1088.64	1.40E+00	--	--	1.51E-05	1.91E-03	5.79E+02	2.36E+00	1.60E+00	1.21E-02	1.86E-03	--	2.27E-05	6.14E-09	2.39E-04	1.90E-14	1.04E-06	3.60E-01	2.85E-05	6.05E-06	1.34E-05
IN	BNINW216-S	3621.20	1.98E+04	--	--	2.47E-06	1.17E+00	4.39E+01	1.21E+03	2.99E+02	8.24E+00	1.62E-01	--	3.63E-06	1.94E-06	1.79E-04	3.62E-12	4.08E-04	1.67E-01	2.46E-02	1.14E-03	1.66E+00
IN	BNINW218-S	475.58	3.72E+01	--	--	5.54E-07	2.63E-01	8.42E-01	4.47E+01	9.11E+00	2.06E-01	1.35E-03	--	8.29E-07	8.86E-07	1.98E-05	1.12E-13	1.47E-04	1.73E-02	1.79E-03	3.51E-05	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	1.48E-01	--	--	--	8.32E-06	9.05E-03	7.30E-01	1.66E-01	2.42E-03	1.34E-05	--	--	1.33E-11	3.81E-09	2.01E-15	2.83E-09	5.68E-06	9.22E-08	6.34E-07	2.60E-13
IN	ID-RF-S3114-S	95.54	5.35E+00	--	--	7.72E-08	3.62E-04	1.70E-01	1.35E+01	2.86E+00	6.12E-02	2.58E-04	--	1.18E-07	6.73E-10	5.29E-07	3.40E-14	1.35E-07	5.07E-04	1.27E-05	1.08E-05	8.77E-05
IN	ID-RF-S3150-A-S	165.96	2.94E+01	--	--	8.01E-07	2.73E-03	2.18E+00	1.29E+02	2.82E+01	6.27E-01	2.40E-03	--	1.26E-06	6.24E-09	6.49E-04	3.42E-13	1.17E-06	5.64E-01	1.02E-04	1.08E-04	1.84E-04
IN	ID-RF-S5100-A-S	525.75	5.75E+01	--	--	4.75E-07	3.10E-03	3.10E+00	2.46E+02	5.58E+01	8.33E-01	4.74E-03	--	7.36E-07	1.23E-05	2.33E-06	6.76E-13	1.03E-03	2.84E-03	5.42E-05	2.13E-04	4.50E-06
IN	ID-RF-S5126-S	148.89	1.05E+02	--	--	5.20E-02	6.48E-03	7.07E+00	5.18E+02	1.19E+02	2.20E+00	9.90E-03	--	6.60E-07	2.56E-03	2.22E-05	1.44E-12	2.15E-01	2.11E-02	7.77E-05	4.56E-04	1.91E-10
IN	ID-RF-S5300-A-S	1429.67	8.58E+01	1.69E-08	4.11E-03	6.92E-07	6.90E-03	1.92E+00	1.57E+02	3.50E+01	3.87E+00	3.60E-03	--	8.88E-07	3.39E-03	2.39E-05	4.17E-13	2.86E-01	2.15E-02	5.55E-04	1.33E-04	8.31E-04
IN	IN-BN004	437.22	4.86E+01	--	--	--	2.91E-03	1.61E+00	1.68E+02	3.77E+01	3.32E-01	2.77E-03	--	--	5.51E-09	1.44E-06	7.79E-13	1.07E-06	1.58E-03	2.78E-05	1.88E-04	6.98E-11
IN	IN-BN161	439.30	3.41E+02	--	--	--	2.34E-02	2.09E+01	1.65E+03	3.73E+02	1.73E+00	3.06E-02	--	--	5.27E-08	1.50E-05	6.55E-12	9.49E-06	1.80E-02	2.71E-04	1.72E-03	7.10E-10
IN	IN-BN211	424.74	3.59E+02	2.13E-07	--	3.16E-08	3.99E-02	2.05E+01	1.60E+03	3.64E+02	1.63E+00	3.09E-02	--	4.83E-08	3.39E-04	1.76E-05	6.40E-12	2.37E-02	1.98E-02	7.30E-04	1.68E-03	3.58E-06
IN	IN-BN-243	347.36	3.51E+01	--	--	--	2.09E-03	1.93E+00	2.00E+02	4.37E+01	2.66E-01	8.02E-03	--	--	3.92E-09	1.73E-06	9.03E-13	7.63E-07	1.90E-03	1.75E-04	2.18E-04	9.79E-06
IN	IN-BN252	146.85	1.53E+02	--	--	1.16E-08	6.18E-02	9.41E+00	8.63E+02	1.83E+02	1.20E+00	1.99E-02	--	1.66E-08	2.68E-07	6.97E-06	3.17E-12	3.85E-05	8.26E-03	2.96E-04	8.37E-04	4.59E-10
IN	IN-BN296	925.39	1.13E+03	--	6.93E-03	5.19E-07	1.36E-01	4.68E+01	3.22E+03	7.07E+02	3.39E+00	7.30E-02	--	8.38E-07	1.52E-04	3.50E-05	1.22E-11	1.07E-02	4.13E-02	1.88E+00	3.23E-03	1.22E-03
IN	IN-BN304	222.56	3.38E+01	--	--	8.73E-06	3.54E-03	3.22E+03	2.09E+01	1.56E+01	1.20E-01	1.34E-02	--	1.60E-05	1.10E-08	2.24E-03	2.70E-13	1.75E-06	2.72E+00	3.30E-05	7.13E-05	1.65E-02
IN	IN-BN-510	11650.46	6.11E+03	3.51E-03	--	--	3.99E-01	1.15E+04	1.72E+04	4.16E+03	1.05E+02	3.37E-01	--	--	6.44E+00	6.48E-03	1.43E+00	4.87E+02	8.57E+00	4.94E-01	1.77E-02	1.26E-02
IN	IN-BN835	1219.05	1.96E-02	--	--	--	1.13E-06	2.38E+03	3.71E+00	3.75E+00	2.51E-04	6.34E-06	--	--	2.00E-12	2.10E-03	7.67E-14	4.01E-10	2.32E+00	6.09E-07	1.86E-05	1.59E-13
IN	IN-BN836	2043.09	1.36E-01	--	--	--	7.85E-06	1.70E+03	1.08E-01	5.57E-02	1.75E-03	4.94E-05	--	--	1.39E-11	1.49E-03	1.14E-15	2.79E-09	1.65E+00	1.78E-08	2.76E-07	1.24E-12
IN	IN-BNINW216	4431.23	1.52E+04	--	--	--	9.45E-01	8.24E+00	8.74E+02	1.96E+02	1.71E+00	1.43E-02	--	--	1.91E-06	7.40E-06	4.05E-12	3.59E-04	8.12E-03	1.44E-04	9.80E-04	3.61E-10
IN	IN-BNINW218	945.00	1.37E+02	--	--	--	8.14E-03	3.41E-01	3.42E+01	7.66E+00	8.90E-02	5.59E-04	--	--	1.52E-08	2.74E-07	1.47E-13	2.97E-06	3.14E-04	5.43E-06	3.69E-05	1.36E-11
IN	IN-GEM-01	7.28	2.72E+00	--	--	--	1.27E-04	1.27E-02	1.58E+00	3.59E-01	3.76E-03	1.87E-05	--	--	1.52E-10	5.59E-09	4.48E-15	3.70E-08	8.19E-06	2.03E-07	1.39E-06	3.67E-13
IN	IN-GEM-02	5.41	2.02E+00	--	--	--	9.41E-05	9.45E-03	1.17E+00	2.67E-01	2.79E-03	1.39E-05	--	--	1.13E-10	4.15E-09	3.33E-15	2.75E-08	6.08E-06	1.51E-07	1.03E-06	2.73E-13
IN	IN-ID-RF-S3114	3608.01	5.32E+02	--	--	4.98E-06	4.12E-02	1.49E+01	1.39E+03	2.92E+02	2.40E+00	2.64E-02	--	7.52E-06	1.00E-07	6.36E-05	4.67E-12	1.76E-05	5.28E-02	1.33E-03	1.28E-03	8.99E-03
IN	IN-ID-RF-S3150-A	178.88	1.44E+02	--	--	3.02E-06	1.42E-02	9.88E-01	6.40E+02	1.40E+02	1.76E+00	1.19E-02	--	4.70E-06	3.80E-08	3.53E-03	2.03E-12	6.53E-06	2.81E+00	5.16E-04	5.87E-04	9.18E-04
IN	IN-ID-RF-S5126-A	291.20	1.41E+03	--	--	4.09E-01	1.06E-01	8.14E+01	7.25E+03	1.67E+03	9.27E+00	1.39E-01	--	5.10E-06	4.27E-02	3.78E-04	2.89E-11	3.00E+00	3.02E-01	1.27E-03	7.64E-03	3.21E-09
IN	IN-ID-RF-S5300-A	12285.00	7.16E+02	1.45E-07	1.71E-02	3.83E-06	6.73E-02	1.42E+01	1.35E+03	3.00E+02	1.34E+01	3.10E-02	--	4.87E-06	3.34E-02	2.38E-04	4.73E-12	2.46E+00	1.85E-01	4.80E-03	1.31E-03	7.14E-03
IN	IN-ID-SDA-Debris	5541.33	1.40E+04	1.31E+01	--	--	1.11E+00	4.68E+02	6.40E+03	1.67E+03	--	--	--	--	2.28E-03	1.02E-02	2.32E-09	1.51E-01	7.15E+00	5.51E-01	2.92E-01	1.16E+01
IN	IN-ID-SDA-Sludge	11811.28	2.98E+04	2.79E+01	--	--	2.36E+00	9.97E+02	1.36E+04	3.55E+03	--	--	--	--	4.86E-03	2.18E-02	4.95E-09	3.21E-01	1.52E+01	1.18E+00	6.23E-01	2.48E+01
IN	IN-ID-SDA-Soil	665.60	1.68E+03	1.57E+00	--	--	1.33E-01	5.62E+01	7.69E+02	2.00E+02	--	--	--	--	2.74E-04	1.23E-03	2.79E-10	1.81E-02	8.59E-01	6.62E-02	3.51E-02	1.40E+00
IN	INW161.001-S	19.14	2.93E+01	--	--	--	1.29E-03	1.95E+00	1.56E+02	3.51E+01	7.23E-01	3.52E-03	--	--	1.46E-09	1.23E-06	4.45E-13	3.65E-07	1.57E-03	1.08E-04	1.37E-04	5.56E-06
IN	IN-W163.1007	11.47	9.76E+00	--	--	--	5.12E-04	1.00E+00	8.65E+01	1.89E+01	3.48E-01	4.22E-03	--	--	7.63E-10	5.86E-07	2.89E-13	1.67E-07	7.64E-04	1.23E-05	8.12E-05	9.17E-11
IN	IN-W167.149	383.30	2.13E+01	--	--	--	1.12E-03	1.55E+00	1.33E+02	2.91E+01	5.35E-01	5.36E-03	--	--	1.66E-09	9.04E-07	4.46E-13	3.64E-07	1.18E-03	1.90E-05	1.25E-04	1.17E-10
IN	INW169.001-S	19.14	5.02E+00	--	--	--	2.24E-04	2.43E-01	1.96E+01	4.33E+00	1.01E-01	5.91E-04	--	--	2.58E-10	4.59E-07	5.50E-14	6.39E-08	4.55E-04	7.48E-05	1.69E-05	4.37E-06
IN	IN-W181.162	80.29	4.51E+00	--	--	--	2.36E-04	3.09E-01	2.71E+01	6.09E+00	1.61E-01	4.45E-04	--	--	3.52E-10	1.80E-07	9.34E-14	7.70E-08	2.35E-04	3.86E-06	2.62E-05	9.66E-12
IN	IN-W188.160	149.11	8.28E+00	--	--	--	4.35E-04	8.51E-01	7.34E+01	1.60E+01	2.95E-01	3.00E-03	--	--	6.48E-10	4.97E-07	2.45E-13	1.42E-07	6.48E-04	1.04E-05	6.89E-05	6.51E-11
IN	INW198.001-S	49.09	7.11E+00	--	--	--	3.14E-04	4.38E-01	3.77E+01	8.33E+00	1.76E-01	8.87E-04	--	--	3.18E-06	3.64E-07	1.06E-13	2.60E-04	4.27E-04	4.05E-05	3.26E-05	5.90E-05
IN	INW211.001-S	303.92	8.72E+02	--	--	--	3.85E-02	4.87E+01	3.63E+03	8.00E+02	2.15E+01	1.40E-01	--	--	1.58E-04	2.63E-05	1.01E-11	1.30E-02	3.55E-02	1.41E-03	3.13E-03	1.47E-03
IN	INW216.001-S	1245.06	4.67E+04	--	--	--	2.23E+00	4.11E+01	3.25E+03	7.22E+02	1.80E+01	1.18E-01	--	--	4.15E-04	7.56E-04	9.30E-12	3.41E-02	6.49E-01	1.04E-01	2.85E-03	3.89E+00

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	INW218.001-S	1110.87	7.09E+02	--	--	--	3.34E-02	6.13E+00	4.95E+02	1.10E+02	2.71E+00	1.70E-02	--	--	1.37E-04	1.10E-03	1.41E-12	1.11E-02	9.31E-01	1.02E-01	4.33E-04	8.74E+00
IN	IN-W219.110	7.70	1.56E+00	--	--	--	8.21E-05	1.07E-01	9.43E+00	2.12E+00	5.58E-02	1.54E-04	--	--	1.22E-10	6.26E-08	3.25E-14	2.67E-08	8.16E-05	1.34E-06	9.10E-06	3.36E-12
IN	IN-W219.914	1.89	1.27E-01	--	--	--	6.65E-06	8.66E-03	7.64E-01	1.72E-01	4.52E-03	1.25E-05	--	--	9.90E-12	5.06E-09	2.63E-15	2.17E-09	6.59E-06	1.09E-07	7.38E-07	2.72E-13
IN	INW222.001-S	65.10	6.14E+01	--	--	--	2.72E-03	3.65E+00	2.83E+02	6.30E+01	1.45E+00	7.40E-03	--	--	3.09E-09	2.65E-06	7.99E-13	7.68E-07	3.24E-03	1.41E-04	2.46E-04	7.02E-03
IN	IN-W222.116	259.02	1.06E+02	--	--	--	5.54E-03	1.07E+01	9.21E+02	2.01E+02	3.72E+00	3.70E-02	--	--	8.25E-09	6.26E-06	3.09E-12	1.80E-06	8.15E-03	1.31E-04	8.66E-04	8.05E-10
IN	INW243.001-S	74.88	7.65E+01	--	--	--	3.48E-03	3.76E+00	2.36E+02	5.22E+01	1.27E+00	6.81E-03	--	--	3.04E-05	3.91E-06	6.73E-13	2.47E-03	4.32E-03	4.78E-04	2.06E-04	3.17E-04
IN	INW247.001R1-S	116.90	9.93E+01	--	--	--	4.42E-03	8.96E+00	4.14E+02	9.34E+01	2.32E+00	7.92E-03	--	--	9.27E-05	4.14E-06	1.20E-12	7.54E-03	5.93E-03	6.00E-05	3.68E-04	1.58E-10
IN	INW252.001-S	60.94	7.27E+01	--	--	--	3.14E-03	4.42E+00	3.01E+02	6.76E+01	2.35E+00	6.81E-03	--	--	3.45E-09	2.89E-06	8.57E-13	8.72E-07	3.65E-03	2.64E-04	2.64E-04	1.35E-10
IN	IN-W263.520	280.07	7.56E-02	--	--	--	3.97E-06	1.31E+02	1.89E+01	2.98E-02	2.70E-03	2.64E-05	--	--	5.91E-12	7.66E-05	4.57E-16	1.29E-09	9.98E-02	2.70E-06	1.28E-07	5.74E-13
IN	IN-W267.1005	11.47	1.76E+01	--	--	--	9.22E-04	1.81E+00	1.55E+02	3.39E+01	6.27E-01	8.05E-03	--	--	1.37E-09	1.06E-06	5.20E-13	3.00E-07	1.38E-03	2.21E-05	1.46E-04	1.75E-10
IN	INW276.001-S	10.19	6.70E+00	--	--	--	3.01E-04	8.44E-01	3.16E+01	7.15E+00	1.80E-01	6.54E-04	--	--	3.56E-10	4.20E-07	9.78E-14	8.68E-08	5.85E-04	4.51E-06	2.90E-05	1.34E-11
IN	INW276.002-S	16.02	1.05E+01	--	--	--	4.72E-04	1.28E+00	4.76E+01	1.07E+01	2.82E-01	9.82E-04	--	--	9.18E-06	6.26E-07	1.44E-13	7.30E-04	8.76E-04	7.11E-06	4.32E-05	2.00E-11
IN	INW276.003-S	186.58	4.02E+02	--	--	--	1.77E-02	4.73E+01	1.72E+03	3.88E+02	1.14E+01	3.66E-02	--	--	6.46E-04	2.23E-05	5.07E-12	5.21E-02	3.17E-02	2.65E-04	1.54E-03	1.12E-06
IN	INW276.004-S	46.80	9.30E+01	--	--	--	4.14E-03	9.88E+00	3.66E+02	8.25E+01	2.38E+00	7.64E-03	--	--	5.62E-04	4.79E-06	1.08E-12	4.53E-02	6.73E-03	7.64E-05	3.27E-04	1.53E-10
IN	INW296.001-S	97.76	1.61E+02	--	--	--	7.29E-03	1.05E+01	5.11E+02	1.15E+02	2.90E+00	1.10E-02	--	--	1.25E-04	5.62E-06	1.48E-12	1.01E-02	7.62E-03	2.18E-04	4.52E-04	3.96E-04
IN	IN-W315.601	34.41	1.77E+03	--	--	--	9.32E-02	3.21E-01	2.82E+01	6.34E+00	1.67E-01	4.61E-04	--	--	1.39E-07	1.87E-07	9.72E-14	3.03E-05	2.44E-04	4.02E-06	2.73E-05	1.00E-11
IN	IN-W319.584	4.79	2.71E+00	--	--	--	1.42E-04	2.80E-01	2.39E+01	5.24E+00	9.68E-02	1.40E-03	--	--	2.12E-10	1.63E-07	8.03E-14	4.64E-08	2.13E-04	3.41E-06	2.25E-05	3.04E-11
IN	IN-W321.1023	11.47	2.35E+01	--	--	--	1.23E-03	2.42E+00	2.08E+02	4.54E+01	8.39E-01	6.77E-03	--	--	1.84E-09	1.41E-06	6.97E-13	4.02E-07	1.84E-03	2.96E-05	1.95E-04	1.47E-10
IN	IN-W322.851	1.89		--	--	--	--	--	9.09E+00	1.86E+00	--	--	--	--	--	--	2.86E-14	--	--	2.49E-04	8.01E-06	--
IN	IN-W322.952	1.66		--	--	--	--	--	2.42E+01	4.97E+00	--	--	--	--	--	--	7.63E-14	--	--	6.62E-04	2.14E-05	--
IN	IN-W323.562	1.89	7.96E-02	--	--	--	4.18E-06	4.35E-01	2.48E-01	--	2.84E-03	--	--	--	6.23E-12	2.54E-07	--	1.36E-09	3.31E-04	9.59E-05	--	--
IN	IN-W323.951	1.46	6.59E-01	--	--	--	3.46E-05	3.61E-02	2.07E+00	--	2.35E-02	--	--	--	5.15E-11	2.11E-08	--	1.13E-08	2.75E-05	7.98E-04	--	--
IN	IN-W332.661	4.79		--	--	--	--	5.39E+00	1.19E-01	--	--	--	--	--	--	3.15E-06	--	--	4.10E-03	1.69E-08	--	--
IN	IN-W337.673	0.21		--	--	--	--	--	3.03E+00	6.21E-01	--	--	--	--	--	--	9.53E-15	--	--	8.28E-05	2.67E-06	--
IN	IN-W337.957	1.89		--	--	--	--	--	9.09E+00	1.86E+00	--	--	--	--	--	--	2.86E-14	--	--	2.49E-04	8.01E-06	--
IN	IN-W342.652	1.89	3.69E+00	--	--	--	1.94E-04	--	4.01E-02	2.20E-15	--	--	2.90E-13	--	2.88E-10	--	5.60E-30	6.31E-08	--	5.70E-09	3.13E-21	--
IN	IN-W342.953	0.42	2.47E+00	--	--	--	1.29E-04	--	2.68E-02	1.47E-15	--	--	1.94E-13	--	1.93E-10	--	3.74E-30	4.21E-08	--	3.81E-09	2.09E-21	--
IN	IN-W347.818	153.90	2.14E+00	--	--	--	1.12E-04	--	7.62E+01	1.34E+02	--	--	--	--	1.67E-10	2.58E-10	2.86E-05	3.65E-08	3.99E-07	1.03E-04	5.77E-04	9.77E-04
IN	IN-W348.1012	22.94	4.36E+01	--	--	--	2.29E-03	4.46E+00	3.84E+02	8.38E+01	1.55E+00	1.53E-02	--	--	3.40E-09	2.60E-06	1.29E-12	7.44E-07	3.39E-03	5.46E-05	3.61E-04	3.32E-10
IN	IN-W353.917	0.21		--	--	--	6.92E-05	--	2.49E-02	--	--	--	--	--	2.92E-10	--	--	4.34E-08	--	3.54E-09	--	--
IN	IN-W357.1022	4.79	8.51E-02	--	--	--	4.47E-06	8.73E-03	7.49E-01	1.64E-01	3.03E-03	3.42E-05	--	--	6.65E-12	5.09E-09	2.51E-15	1.45E-09	6.64E-06	1.07E-07	7.04E-07	7.42E-13
IN	IN-W358.854	1.89		--	--	--	--	1.39E+02	1.88E+00	3.58E+00	--	--	--	--	--	7.21E-05	5.03E-14	--	9.87E-02	2.56E-07	1.47E-05	--
IN	IN-W358.855	3.33		--	--	--	--	7.43E+02	1.00E+01	1.90E+01	--	--	--	--	--	3.85E-04	2.68E-13	--	5.27E-01	1.36E-06	7.85E-05	--
IN	IN-W358.948	0.21		--	--	--	--	1.55E+02	2.09E+00	3.97E+00	--	--	--	--	--	8.03E-05	5.58E-14	--	1.10E-01	2.84E-07	1.64E-05	--
IN	IN-W361.1021	11.47	8.25E+00	--	--	--	4.33E-04	8.46E-01	7.28E+01	1.59E+01	2.93E-01	2.84E-03	--	--	6.45E-10	4.94E-07	2.44E-13	1.41E-07	6.44E-04	1.04E-05	6.85E-05	6.18E-11
IN	IN-W362.1020	45.88	1.07E+02	--	--	--	5.64E-03	1.10E+01	9.50E+02	2.07E+02	3.83E+00	3.61E-02	--	--	8.39E-09	6.44E-06	3.18E-12	1.84E-06	8.39E-03	1.35E-04	8.92E-04	7.85E-10
IN	IN-W363.1019	4.79	5.05E+00	--	--	--	2.65E-04	5.19E-01	4.47E+01	9.72E+00	1.80E-01	1.52E-03	--	--	3.94E-10	3.03E-07	1.49E-13	8.63E-08	3.95E-04	6.37E-06	4.18E-05	3.31E-11
IN	IN-W364.1011	4.79	8.32E+00	--	--	--	4.37E-04	8.55E-01	7.35E+01	1.60E+01	2.97E-01	3.78E-03	--	--	6.51E-10	5.00E-07	2.46E-13	1.42E-07	6.51E-04	1.05E-05	6.90E-05	8.21E-11
IN	IN-W365.1010	11.47	2.89E+02	--	--	--	1.52E-02	6.80E-01	5.86E+01	1.28E+01	2.36E-01	2.49E-03	--	--	2.26E-08	3.97E-07	1.96E-13	4.94E-06	5.18E-04	8.34E-06	5.49E-05	5.41E-11
IN	IN-W366.841	16.26	6.61E+00	--	--	--	3.47E-04	5.79E-01	4.96E+01	1.08E+01	2.00E-01	1.92E-03	--	--	5.17E-10	3.38E-07	1.66E-13	1.13E-07	4.40E-04	7.05E-06	4.64E-05	4.17E-11
IN	IN-W372.832	1.89	3.69E+00	--	--	--	1.94E-04	--	4.01E-02	2.20E-15	--	--	2.90E-13	--	2.88E-10	--	5.60E-30	6.31E-08	--	5.70E-09	3.13E-21	--
IN	IN-W375.1096	199.78	2.08E+00	--	--	--	1.09E-04	2.13E-01	1.84E+01	4.01E+00	7.41E-02	7.39E-04	--	--	1.62E-10	1.25E-07	6.16E-14	3.55E-08	1.62E-04	2.62E-06	1.73E-05	1.61E-11
KN	KN-B234PCBTRU	0.42	5.98E-03	--	--	--	2.77E-07	3.96E-04	1.32E-02	4.39E-03	4.27E-05	4.78E-07	--	--	2.31E-07	1.67E-09	3.45E-08	1.89E-05	1.52E-06	6.20E-08	1.72E-08	6.91E-07
KN	KN-B234TRU	968.06	3.07E+02	--	--	--	1.42E-02	2.03E+01	6.79E+02	2.26E+02	2.19E+00	1.77E-03	--	--	7.94E-04	1.45E-05	1.26E-04	6.50E-02	1.78E-02	3.06E-04	8.85E-04	1.73E-02
LA	LA-LAMHD01	241.23	1.08E+03	3.09E-02	2.23E-04	1.90E-06	6.63E-02	6.38E+02	6.77E+03	1.64E+03	1.84E+01	3.39E+00	3.03E-06	1.75E-06	1.47E-03	5.67E-04	8.70E-07	1.02E-01	6.28E-01	1.45E-03	7.59E-03	7.13E-03
LA	LA-LAMHD02238	368.09	1.90E+01	--	--	--	8.03E-04	7.05E+03	1.27E+01	6.41E+00	7.15E-01	5.56E-03	--	--	8.56E-10	3.77E-03	8.01E-14	2.19E-07	5.12E+00	1.63E-06	2.49E-05	1.09E-10
LA	LA-LAMHD03	5.62	5.12E+00	9.61E-06	--	--	3.48E-04	7.54E+01	8.53E+00	2.12E+00	2.21E-02	1.37E-03	8.72E-10	--	7.73E-10	5.46E-05	3.91E-14	1.40E-07	6.52E-02	3.69E-06	1.00E-05	2.89E-07
LA	LA-LAMIN02V	42.92	6.65E+01	--	--	--	2.79E-03	4.09E+00	3.85E+02	9.06E+01	2.67E+00	5.19E-03	--	--	2.91E-09	1.76E-06	1.11E-12	7.53E-07	2.60E-03	4.91E-05	3.49E-04	1.01E-10
LA	LA-LAMIN03NC	0.62	2.49E+00	--	--	--	1.03E-04	1.54E-01	1.44E+01	3.38E+00	1.05E-01	1.94E-04	--	--	1.06E-10	6.47E-08	4.09E-14	2.77E-08	9.65E-05	1.82E-06	1.29E-05	3.74E-12
LA	LA-LAMIN04S	322.24	3.02E+03	--	--	--	1.31E-01	1.60E+02	1.02E+04	2.57E+03	8.53E+01	1.62E+00	7.88E-07	--	1.42E-07	6.90E-05	3.16E-11	3.61E-05	1.02E-01	1.29E-03	9.90E-03	3.15E-08
LA	LA-LA-NCD01	434.62	2.98E+02	9.11E-04	--	--	1.90E-02	7.01E+02	1.63E+03	3.90E+02	1.06E+01	2.40E-02	--	--	3.54E-08	3.29E-04	4.87E-12	7.06E-06	4.69E-01	1.68E-02	1.51E-03	2.05E-04
LA	LA-LANHD01	269.76	4.21E+02	--	--	--	2.25E-02	4.17E+02	2.50E+03	5.87E+02	7.66E+00	3.42E-02	--	--	3.45E-08	5.09E-04	9.26E-12	7.44E-06	5.19E-01	6.43E-04	2.56E-03	3.28E-06
LA	LA-LANHD02238	2245.18	3.04E+02	1.03E-04	--	--	1.57E-02	1.07E+05	2.07E+02	1.04E+02	7.52E+00	8.88E-02	--	--	2.42E-08	6.71E-02	1.51E-12	5.18E-06	8.51E+01	2.87E-05	4.34E-04	1.88E-09
LA	LA-LANIN03NC	1119.02	7.44E+03	3.22E+00	--	--	1.28E+00	1.25E+04	3.71E+04	9.07E+03	2.85E+02	6.64E-01	--	--	3.60E-06	5.37E-03	1.11E-10	6.28E-04	7.93E+00	4.72E-03	3.49E-02	1.29E-08
LA	LA-MHD01.001-S	487.32	1.03E+04	8.31E-01	2.45E-02	3.94E-05	5.76E-01	1.43E+03	4.10E+04	1.91E+03	5.94E+02	1.45E+00	--	4.76E-02	6.07E-03	9.88E-03	4.52E-06	5.08E-01	1.60E+00	7.47E-03	7.28E-03	2.20E-03
LA	LA-MHD02.001-S	13.52	1.64E+00	3.96E-05	--	1.30E-07	1.56E-04	6.54E+02	1.38E+00	6.92E-01	1.51E-02	7.18E-04	--	1.19E-07	3.06E-08	6.48E-04	8.25E-15	2.62E-06	7.37E-01	8.06E-07	2.62E-06	1.37E-11
LA	LA-MHD02238	0.21	1.39E-02	--	--	--	5.73E-07	5.24E+00	8.68E-03	4.39E-03	6.54E-04	3.57E-06	--	--	5.83E-13	2.26E-06	5.40E-17	1.53E-10	3.33E-03	1.11E-09	1.69E-08	6.96E-14
LA	LA-MHD03.001-S	47.01	1.16E+01	3.07E-03	--	1.03E-04	3.46E-03	2.08E+01	2.50E+01	6.99E+00	2.51E-01	2.57E-03	--	9.43E-05	1.02E-08	1.72E-05	8.33E-14	1.77E-06	2.04E-02	2.80E-05	2.65E-05	1.50E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-MIN03-NC.001-S	248.69	1.16E+02	2.90E-04	--	1.91E-03	7.10E-03	2.22E+00	1.07E+02	1.55E+01	5.66E-01	1.58E-02	--	1.33E-03	1.44E-08	1.19E-05	1.88E-13	2.71E-06	1.09E-02	2.59E-04	5.94E-05	7.93E-05
LA	LA-OS-00-01	118.14	1.06E+04	--	--	2.00E-01	5.07E-01	4.43E+02	--	--	--	--	--	--	6.42E-07	2.07E-04	--	1.52E-04	2.96E-01	--	--	--
LA	LA-OS-00-01.001-S	75.71	4.11E+02	--	--	8.26E-03	1.86E-02	2.38E+03	6.94E+02	2.06E+02	1.56E+00	5.65E-02	--	6.49E-03	2.40E-08	1.60E-03	2.45E-12	5.52E-06	2.02E+00	1.16E-04	7.80E-04	9.82E-07
LA	LA-OS-00-01-S	0.42	2.30E+00	--	--	1.40E-05	1.19E-04	6.40E-01	4.76E+00	4.80E+00	1.30E-02	9.65E-05	--	1.20E-05	1.70E-10	9.32E-02	6.09E-14	3.81E-08	4.17E-04	6.16E-07	1.88E-05	1.91E-12
LA	LA-OS-00-03	14.56	2.08E+01	--	--	--	1.00E-03	--	--	--	--	--	--	--	1.26E-09	--	--	3.00E-07	--	--	--	--
LA	LA-PX-00-01	0.62	1.10E-02	--	--	--	5.13E-07	1.77E-03	5.58E-02	1.30E-02	1.86E-04	--	--	--	6.42E-13	8.98E-10	1.80E-16	1.52E-10	1.24E-06	7.56E-09	5.32E-08	--
LA	LA-TA-00-01	322.96	3.03E+01	8.09E-03	1.84E-01	--	7.15E-03	1.51E+02	1.11E+02	2.07E+01	1.74E-01	1.04E-01	1.06E-04	--	1.83E-05	1.24E-04	1.10E-07	1.21E-03	1.41E-01	1.88E-05	1.00E-04	7.62E-05
LA	LA-TA-00-02	0.21	1.39E+00	--	--	--	6.10E-05	8.20E-01	1.07E-02	1.73E-01	4.43E-02	1.15E-01	1.61E-07	--	6.92E-11	3.92E-07	2.30E-15	1.72E-08	5.54E-04	1.41E-09	6.92E-07	2.33E-09
LA	LA-TA-03-01	0.21	4.36E-02	--	--	--	8.53E-06	1.89E-03	1.83E-01	4.30E-02	1.10E-03	2.46E-06	--	--	2.56E-11	8.67E-10	5.53E-16	4.34E-09	1.25E-06	2.39E-08	1.69E-07	4.91E-14
LA	LA-TA-03-03	13.52	7.89E-01	9.09E-04	--	9.73E-08	8.83E-04	4.45E+00	4.15E+00	9.77E-01	2.30E-02	5.89E-05	--	8.89E-08	1.05E-07	2.27E-06	1.30E-14	5.05E-07	3.12E-03	8.87E-06	3.91E-06	4.82E-08
LA	LA-TA-03-04	0.42	9.65E-02	--	--	--	2.20E-05	6.53E-01	2.87E-01	6.77E-02	1.87E-03	4.30E-06	--	--	6.66E-11	2.93E-07	8.58E-16	1.13E-08	4.25E-04	3.71E-08	2.65E-07	8.49E-14
LA	LA-TA-03-05	3.14	4.81E-02	--	--	--	1.64E-05	1.18E-01	2.44E-01	5.81E-02	1.32E-03	3.63E-06	--	--	5.47E-11	5.62E-08	7.71E-16	8.96E-09	7.95E-05	1.34E-05	2.32E-07	3.74E-05
LA	LA-TA-03-06	0.21	1.94E-01	2.72E-04	--	--	4.04E-05	9.17E-02	2.99E-01	7.04E-02	1.80E-03	4.09E-06	--	--	1.22E-10	4.20E-08	9.06E-16	2.07E-08	6.05E-05	3.90E-08	2.77E-07	8.15E-14
LA	LA-TA-03-07	3.74	2.94E-01	4.65E-04	--	1.07E-07	5.84E-04	3.08E-02	1.54E+00	3.37E-01	8.36E-03	2.09E-05	--	5.08E-08	2.07E-09	1.44E-08	4.41E-15	3.34E-07	2.06E-05	6.49E-06	1.34E-06	6.13E-08
LA	LA-TA-03-08	37.80	3.03E-01	6.34E-04	--	2.57E-06	7.82E-05	1.31E+00	3.24E-01	5.53E-02	1.32E-03	3.96E-06	--	--	2.58E-10	6.54E-07	7.57E-16	4.21E-08	9.10E-04	1.94E-04	2.25E-07	5.67E-04
LA	LA-TA-03-09	33.15	2.08E+01	4.71E-03	--	2.80E-07	5.61E-02	3.50E+00	2.46E+01	5.81E+00	1.34E-01	1.02E-02	1.08E-08	--	2.08E-07	1.74E-06	7.94E-14	3.29E-05	2.42E-03	1.18E-04	2.36E-05	3.97E-05
LA	LA-TA-03-10	485.93	3.82E+01	6.25E-02	--	3.03E-07	2.47E-02	2.03E+02	1.40E+02	3.26E+01	8.14E-01	2.05E-03	--	--	8.47E-08	9.50E-05	4.26E-13	1.38E-05	1.35E-01	1.24E-03	1.29E-04	1.45E-04
LA	LA-TA-03-12	200.53	2.77E+01	1.51E-02	1.91E-04	1.58E-05	2.56E-03	8.09E+01	7.45E+01	1.84E+01	1.98E-01	2.93E-02	2.36E-08	9.98E-06	7.95E-09	7.58E-05	1.10E-08	1.25E-06	8.19E-02	1.80E-03	1.08E-04	9.15E-06
LA	LA-TA-03-13	23.30	3.91E+00	1.67E-04	--	1.36E-06	8.27E-04	2.15E+01	2.09E+01	4.75E+00	6.11E-02	3.59E-04	--	1.12E-06	2.87E-09	1.59E-05	9.51E-14	4.52E-07	1.90E-02	7.74E-05	2.36E-05	2.81E-07
LA	LA-TA-03-14	56.77	7.56E+00	4.91E-03	--	5.05E-04	8.44E-04	3.47E+01	1.60E+01	4.24E+00	4.03E-02	1.13E-02	1.00E-08	6.71E-03	2.95E-09	2.98E-05	1.15E-13	4.43E-07	3.33E-02	1.63E-04	2.46E-05	5.02E-06
LA	LA-TA-03-15	8.94	1.26E+00	4.92E-03	--	5.01E-07	1.89E-04	2.93E+00	1.92E+00	4.52E-01	8.27E-03	2.26E-03	1.75E-09	4.64E-07	6.03E-10	1.88E-06	1.13E-14	9.76E-08	2.36E-03	6.11E-06	2.57E-06	8.45E-07
LA	LA-TA-03-16	28.29	4.49E+00	--	--	--	1.19E-03	4.46E+00	1.42E+01	5.65E+00	1.15E-01	1.65E-03	--	--	4.79E-09	3.21E-06	9.53E-14	7.07E-07	3.84E-03	2.12E-06	2.55E-05	3.75E-11
LA	LA-TA-03-18	0.62		--	3.43E-01	--	--	--	6.21E-03	4.44E-01	--	--	--	--	--	--	6.20E-15	--	--	9.88E-10	1.79E-06	--
LA	LA-TA-03-19	51.17	1.31E+00	--	--	2.70E-06	1.06E-04	1.61E+01	4.37E+00	1.46E+00	1.94E-02	5.05E-04	--	2.47E-06	2.94E-10	1.32E-05	2.84E-14	4.81E-08	1.50E-02	7.00E-07	7.08E-06	1.24E-11
LA	LA-TA-03-20	24.54	1.19E+00	--	--	--	1.53E-03	1.68E+02	6.56E+00	1.87E+00	2.42E-02	3.50E-04	--	--	7.35E-09	1.24E-04	3.36E-14	1.02E-06	1.47E-01	1.01E-06	8.70E-06	8.25E-12
LA	LA-TA-03-21	98.66	4.78E-01	--	--	--	2.56E-04	9.62E+00	3.63E+00	9.05E-01	6.88E-03	9.44E-05	--	--	1.25E-09	7.74E-06	1.74E-14	1.70E-07	8.87E-03	5.78E-07	4.36E-06	2.29E-12
LA	LA-TA-03-23	68.66	1.16E-02	--	--	--	6.85E-07	5.53E-01	1.16E-01	2.71E-02	1.96E-04	1.84E-06	--	--	1.27E-12	4.37E-07	5.13E-16	2.49E-10	5.04E-04	1.84E-08	1.29E-07	4.45E-14
LA	LA-TA-03-24	9.36	2.34E+00	--	--	--	5.07E-04	3.64E+00	9.96E+00	3.38E+00	3.61E-02	7.80E-04	--	--	2.22E-09	2.98E-06	6.57E-14	3.10E-07	3.39E-03	1.59E-06	1.64E-05	1.91E-11
LA	LA-TA-03-25	0.21	5.30E-03	--	--	--	2.82E-07	5.09E-04	5.46E-02	1.26E-02	1.72E-04	7.40E-07	--	--	4.33E-13	3.09E-10	1.99E-16	9.33E-11	3.96E-07	7.87E-09	5.51E-08	1.63E-14
LA	LA-TA-03-26	6.66	4.12E-01	--	--	--	2.47E-05	5.35E+00	4.65E+01	9.95E-01	6.35E-03	6.06E-05	--	--	4.68E-11	3.09E-05	6.42E-13	9.08E-09	2.32E-02	3.74E-03	8.27E-05	5.31E-06
LA	LA-TA-03-28	6.03	4.68E-01	--	--	--	2.75E-05	1.04E+00	4.14E+00	7.58E-01	7.21E-03	1.07E-04	--	--	5.02E-11	8.08E-07	1.42E-14	9.93E-09	9.39E-04	6.51E-07	3.60E-06	2.57E-12
LA	LA-TA-03-29	0.42	7.31E-02	--	--	--	4.08E-06	6.75E+01	1.12E-01	4.34E-02	1.80E-03	3.16E-05	--	--	6.79E-12	4.60E-05	7.42E-16	1.40E-09	5.63E-02	1.68E-08	1.97E-07	7.25E-13
LA	LA-TA-03-30	7.77	7.44E-02	1.45E-06	--	3.53E-07	5.61E-06	2.53E-02	5.30E-02	1.66E-02	1.28E-04	9.71E-07	--	--	1.43E-11	1.96E-08	3.11E-16	2.44E-09	2.28E-05	3.56E-07	7.90E-08	2.33E-14
LA	LA-TA-03-31	0.21	1.13E-01	--	--	--	6.14E-06	1.08E-02	1.17E+00	2.71E-01	3.36E-03	1.59E-05	--	--	9.67E-12	6.79E-09	4.40E-15	2.06E-09	8.57E-06	1.71E-07	1.20E-06	3.55E-13
LA	LA-TA-03-32	0.21		--	--	--	--	--	1.77E-01	--	--	--	--	--	--	--	--	--	--	2.31E-05	--	--
LA	LA-TA-03-33	2.10	2.23E-04	--	--	5.20E-08	1.84E-04	--	--	--	--	--	--	--	9.59E-10	3.91E-12	--	1.29E-07	5.43E-09	--	--	1.20E-05
LA	LA-TA-03-34	39.69	1.34E-02	--	--	7.01E-09	6.62E-07	1.10E+00	3.82E-02	4.24E-03	6.72E-05	2.48E-07	--	--	8.97E-13	5.82E-07	6.05E-17	2.05E-10	7.90E-04	2.67E-06	1.76E-08	6.16E-06
LA	LA-TA-03-40	28.35		--	--	--	--	2.06E-01	7.54E+00	--	--	--	--	--	--	1.43E-07	--	--	1.74E-04	3.19E-05	--	--
LA	LA-TA-03-42	96.39	3.25E-03	--	--	--	1.84E-07	4.54E-02	5.99E-01	7.83E-03	7.27E-05	4.59E-07	--	--	3.14E-13	3.21E-08	1.37E-16	6.42E-11	3.87E-05	9.12E-08	3.61E-08	1.07E-14
LA	LA-TA-21-05	0.42	1.04E-01	--	--	--	6.15E-06	9.17E-03	1.04E+00	2.45E-01	1.76E-03	1.67E-05	--	--	1.14E-11	7.25E-09	4.65E-15	2.23E-09	8.36E-06	1.98E-05	1.17E-06	4.03E-13
LA	LA-TA-21-06	256.90	3.74E+01	--	--	--	2.21E-03	5.46E+03	2.03E+02	6.09E+01	6.32E-01	1.13E-02	--	--	4.08E-09	4.32E-03	1.15E-12	8.02E-07	4.98E+00	9.63E-04	2.91E-04	2.72E-10
LA	LA-TA-21-07	678.79	1.77E+01	8.40E-11	--	--	1.06E-03	3.91E+03	2.03E+02	3.87E+01	2.72E-01	3.41E-03	--	--	2.01E-09	3.20E-03	7.52E-13	3.89E-07	3.64E+00	6.27E-05	1.87E-04	2.01E-03
LA	LA-TA-21-08	3.54	4.20E-01	--	--	--	2.48E-05	3.31E+01	2.69E+00	7.49E-01	7.11E-03	1.12E-04	--	--	4.59E-11	2.62E-05	1.42E-14	9.02E-09	3.02E-02	4.26E-07	3.58E-06	2.71E-12
LA	LA-TA-21-09	4.37	2.97E-01	--	--	--	8.85E-05	5.45E+02	3.57E-01	8.27E-02	5.75E-04	3.95E-04	--	--	4.02E-10	4.31E-04	1.57E-15	5.58E-08	4.97E-01	5.65E-08	3.96E-07	9.53E-12
LA	LA-TA-21-10	0.21		--	--	--	--	--	5.01E-01	--	--	--	--	--	--	--	--	--	--	7.83E-08	--	--
LA	LA-TA-21-11	24.57		--	--	--	--	1.91E-01	2.11E+01	--	--	--	--	--	--	1.53E-07	--	--	1.76E-04	3.35E-06	--	--
LA	LA-TA-21-12	202.87	6.86E+01	--	--	--	4.03E-03	1.63E+04	2.75E+02	8.98E+01	1.13E+00	2.28E-02	--	--	6.17E-01	1.26E-02	1.68E-12	4.17E+01	1.47E+01	2.10E-03	4.27E-04	5.48E-10
LA	LA-TA-21-13	2934.38	1.05E+04	--	--	--	6.31E-01	6.66E+01	1.23E+02	--	--	--	--	--	1.20E-06	6.37E-05	1.10E-04	2.32E-04	6.83E-02	2.40E-02	--	1.12E-02
LA	LA-TA-21-14	85.39		--	--	--	--	--	9.27E+00	--	--	--	--	--	--	--	--	--	--	1.42E-06	--	--
LA	LA-TA-21-15	3.54	3.31E-01	--	--	--	1.94E-05	2.93E-02	4.71E+00	8.05E-01	5.87E-03	4.72E-05	--	--	3.55E-11	2.27E-08	1.51E-14	7.01E-09	2.64E-05	7.40E-07	3.82E-06	1.13E-12
LA	LA-TA-21-16	79.87	6.67E+01	--	--	--	3.91E-03	7.64E+00	6.32E+02	1.49E+02	1.18E+00	1.24E-02	--	--	7.14E-09	5.93E-06	2.79E-12	1.41E-06	6.89E-03	3.40E-03	7.09E-04	2.98E-10
LA	LA-TA-21-17	0.62	2.49E-03	--	--	--	1.47E-07	2.19E-04	2.63E-02	6.07E-03	4.22E-05	3.56E-07	--	--	2.73E-13	1.73E-10	1.15E-16	5.36E-11	2.00E-07	4.15E-09	2.90E-08	8.60E-15
LA	LA-TA-21-18	15.12	1.07E+02	--	--	--	7.40E-03	9.34E+00	1.29E+02	5.11E+01	1.58E+00	2.88E-04	--	--	1.69E-08	6.61E-06	8.96E-13	3.02E-06	7.97E-03	1.96E-05	2.35E-04	6.69E-12
LA	LA-TA-21-40	1097.45	4.97E-01	--	--	2.96E-08	4.11E-05	4.98E+02	3.33E+02	8.75E-01	3.41E-03	5.15E-05	1.75E-04	1.71E-07	7.44E-08	3.52E-04	1.54E-14	5.19E-06	4.24E-01	5.07E-05	4.03E-06	1.36E-06
LA	LA-TA-21-41	22.68		--	--	--	--	--	1.82E+01	--	--	--	--	--	--	--	--	--	--	2.77E-06	--	--
LA	LA-TA-21-42	103.95	6.43E+00	--	--	--	4.97E-04	1.66E+00	2.10E+01	--	3.38E-02	--	--	--	1.26E-09	1.17E-06	--	2.16E-07	1.42E-03	4.52E-05	--	--
LA	LA-TA-48-01	8.32	2.21E-01	2.06E-05	--	2.61E-05	1.29E-04	1.81E-01	6.09E-01	1.51E-01	3.96E-03	4.27E-06	--	--	9.93E-05	1.04E-07	1.91E-15	8.13E-03	1.37E-04	7.88E-08	5.90E-07	8.48E-14
LA	LA-TA-50-01	0.83	1.32E-02	7.09E-06	--	6.46E-05	6.28E-07	8.12E-05	8.67E-04	--	--	--	--	--	7.85E-13	2.18E-07	--	1.87E-10	1.85E-04	3.42E-06	--	--

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-50-02	0.62	2.61E-02	--	--	1.57E-08	1.43E-06	1.29E-01	3.49E-02	--	4.18E-04	--	--	--	2.26E-12	5.90E-08	--	4.81E-10	8.49E-05	3.30E-07	--	--
LA	LA-TA-50-05	0.21	1.48E-02	--	--	--	6.88E-07	1.16E-02	1.48E-01	3.91E-03	7.23E-05	--	--	--	8.31E-13	5.21E-09	4.95E-17	2.01E-10	7.57E-06	2.21E-08	1.53E-08	--
LA	LA-TA-50-06	3.55	1.02E+01	--	--	--	5.02E-04	1.14E+00	3.65E+00	2.15E+00	1.19E-01	3.02E-03	--	--	6.92E-10	6.55E-07	3.25E-14	1.57E-07	8.61E-04	5.15E-07	9.18E-06	6.52E-11
LA	LA-TA-50-10	21.01	1.80E+01	--	--	--	8.03E-04	6.71E+01	1.01E+02	2.38E+01	5.15E-01	1.49E-03	--	--	9.41E-10	3.38E-05	3.25E-13	2.30E-07	4.68E-02	3.90E-04	9.66E-05	1.35E-02
LA	LA-TA-50-11	1.04	2.73E-01	--	--	--	1.54E-05	2.35E-02	2.51E+00	5.64E-01	5.49E-03	3.30E-05	--	--	2.59E-11	1.63E-08	9.77E-15	5.33E-09	1.98E-05	3.80E-07	2.58E-06	7.63E-13
LA	LA-TA-50-12	13.21	1.35E-02	--	--	--	8.98E-07	7.15E-02	9.30E-02	--	2.78E-05	--	--	--	1.96E-12	3.63E-07	--	3.57E-10	5.04E-04	1.43E-08	--	1.00E+00
LA	LA-TA-50-13	0.21		--	--	--	--	3.28E-03	--	--	--	--	--	--	--	2.00E-09	--	--	2.56E-06	--	--	--
LA	LA-TA-50-14	0.42	4.43E-02	--	--	--	2.49E-06	1.13E-03	1.55E-02	--	--	--	--	--	4.20E-12	7.82E-10	--	8.63E-10	9.50E-07	2.34E-09	--	--
LA	LA-TA-50-15	142.15	1.27E+01	--	--	5.09E-02	7.03E-04	9.24E+01	3.70E+01	8.14E+00	8.99E-02	5.36E-04	--	3.82E-02	1.15E-09	6.24E-05	1.53E-13	2.41E-07	7.67E-02	1.64E-03	3.89E-05	1.47E-07
LA	LA-TA-50-16	13.23	4.12E-01	8.09E-03	--	3.29E-04	3.59E-03	1.24E+00	6.31E-01	9.12E-02	6.59E-03	8.68E-06	--	--	1.45E-08	6.81E-07	1.34E-15	2.20E-06	9.10E-04	8.79E-08	3.84E-07	1.85E-13
LA	LA-TA-50-17	329.02	3.58E+02	4.06E-09	--	6.50E-03	1.96E-02	1.63E+01	4.34E+02	--	1.74E-03	1.95E-06	--	2.02E-04	1.71E-04	8.94E-05	--	1.23E-02	7.21E-02	8.02E-03	--	1.80E-05
LA	LA-TA-50-18	100.26	8.80E+01	--	--	--	5.24E-03	7.50E+00	2.98E+02	9.19E-02	2.16E-04	--	--	--	3.00E-04	6.04E-06	1.76E-15	2.00E-02	6.92E-03	6.00E-05	4.43E-07	--
LA	LA-TA-50-19	897.31	2.19E+02	6.61E-05	--	8.05E-05	1.32E-02	2.97E+01	2.69E+02	1.32E+00	1.73E-02	1.35E-04	--	7.35E-05	2.55E-08	2.55E-05	2.56E-14	4.91E-06	2.85E-02	1.73E-04	6.37E-06	1.20E-05
LA	LA-TA-50-20	0.62	4.71E-03	--	--	--	2.69E-07	--	6.01E-03	--	--	--	--	--	4.65E-13	--	--	9.44E-11	--	9.21E-10	--	--
LA	LA-TA-50-40	1.89		--	--	--	--	--	6.03E-04	--	--	--	--	--	--	--	--	--	--	9.12E-11	--	--
LA	LA-TA-50-41	35.91	1.55E-01	--	--	--	6.72E-06	1.53E-02	1.59E+00	3.68E-01	6.07E-03	2.16E-05	--	--	7.58E-12	8.59E-09	5.49E-15	1.88E-09	1.14E-05	2.23E-07	1.56E-06	4.62E-13
LA	LA-TA-54-01	18.90	4.54E-02	1.14E-05	--	6.49E-05	3.85E-06	2.47E-01	9.42E-02	1.95E-02	5.58E-04	1.14E-06	--	--	8.55E-12	1.09E-07	2.43E-16	1.60E-09	1.59E-04	4.82E-07	7.56E-08	2.23E-14
LA	LA-TA-55-01	1.04	7.51E-01	--	--	--	3.35E-05	1.80E+00	4.38E+00	1.03E+00	2.18E-02	6.01E-05	--	--	3.92E-11	8.97E-07	1.41E-14	9.59E-09	1.25E-03	5.88E-07	4.18E-06	1.23E-12
LA	LA-TA-55-02	1.87	1.07E+00	6.79E-06	--	--	6.27E-05	6.55E-02	6.22E+00	1.46E+00	2.91E-02	8.46E-05	--	--	1.13E-10	1.03E-06	2.03E-14	2.25E-08	8.59E-04	3.43E-05	5.98E-06	3.39E-05
LA	LA-TA-55-03	65.14	6.20E+01	6.14E-04	--	7.82E-08	3.67E-03	3.78E+02	2.81E+02	6.95E+01	1.69E+00	3.39E-01	2.01E-07	7.25E-08	6.69E-09	2.51E-04	9.65E-13	1.33E-06	3.13E-01	1.85E-04	2.85E-04	1.84E-06
LA	LA-TA-55-04	22.97	4.71E+00	7.90E-04	9.78E-05	--	2.24E-04	5.74E+00	2.64E+01	6.27E+00	1.37E-01	4.91E-03	--	--	2.99E-10	2.86E-06	8.57E-14	6.85E-08	3.97E-03	1.21E-05	2.55E-05	2.51E-06
LA	LA-TA-55-05	140.52	3.33E+01	2.69E-04	5.31E-04	6.54E-08	1.62E-03	9.14E+02	1.49E+02	3.66E+01	8.86E-01	1.20E-01	9.07E-08	6.09E-08	2.26E-09	5.05E-04	5.16E-13	5.07E-07	6.73E-01	5.88E-04	1.51E-04	2.54E-05
LA	LA-TA-55-06	1.04	3.02E-01	--	--	--	1.35E-05	1.78E-02	1.75E+00	4.12E-01	8.75E-03	2.43E-05	--	--	1.57E-11	8.84E-09	5.63E-15	3.86E-09	1.23E-05	4.28E-07	1.67E-06	2.59E-09
LA	LA-TA-55-07	10.40	1.19E+01	2.62E-05	--	8.48E-09	5.74E-04	3.83E+01	4.40E+01	1.10E+01	3.04E-01	1.83E-01	1.87E-07	7.89E-09	7.84E-10	1.95E-05	1.53E-13	1.78E-07	2.69E-02	1.31E-04	4.50E-05	9.24E-07
LA	LA-TA-55-08	25.78	2.36E+00	--	--	--	1.10E-04	3.12E+01	1.34E+01	3.17E+00	6.41E-02	2.15E-04	--	--	1.42E-10	2.88E-05	4.39E-14	3.32E-08	3.23E-02	1.81E-06	1.30E-05	4.44E-12
LA	LA-TA-55-09	6.24	3.87E+00	6.26E-06	--	--	1.76E-04	1.49E+02	1.76E+01	4.29E+00	1.06E-01	1.87E-02	8.86E-10	--	2.14E-10	1.05E-04	5.96E-14	5.14E-08	1.28E-01	1.39E-05	1.76E-05	7.07E-05
LA	LA-TA-55-10	3.74	2.53E+00	2.81E-06	--	4.33E-09	1.22E-04	2.74E+01	1.12E+01	2.70E+00	7.06E-02	1.36E-02	--	4.03E-09	1.67E-10	1.39E-05	3.70E-14	3.79E-08	1.92E-02	7.91E-06	1.10E-05	2.79E-10
LA	LA-TA-55-11	2.91	6.03E-01	1.34E-06	--	--	3.88E-05	1.38E+01	3.22E+00	7.63E-01	2.21E-02	4.46E-04	--	--	7.34E-11	6.27E-06	9.68E-15	1.45E-08	9.06E-03	1.97E-06	2.98E-06	8.81E-12
LA	LA-TA-55-12	6.90	4.97E-01	--	--	--	2.55E-05	1.45E+02	7.40E-01	2.53E-01	1.53E-02	1.26E-04	--	--	3.85E-11	8.28E-05	3.40E-15	8.34E-09	1.09E-01	2.29E-04	1.02E-06	8.75E-07
LA	LA-TA-55-14	641.77	4.98E+04	--	--	--	2.49E+00	8.22E+02	8.05E+03	1.99E+03	4.57E+01	6.43E+00	4.86E-06	--	3.38E-06	4.26E-04	2.80E-11	7.74E-04	5.83E-01	1.01E-02	8.19E-03	3.80E-03
LA	LA-TA-55-15	18.30	9.88E+01	--	--	--	4.45E-03	3.68E+02	5.32E+02	1.29E+02	2.74E+00	9.40E-03	--	--	5.28E-09	1.87E-04	1.79E-12	1.28E-06	2.58E-01	7.20E-05	5.26E-04	1.94E-10
LA	LA-TA-55-17B	22.24	8.86E-01	--	--	--	3.88E-05	1.97E+00	5.15E+00	1.21E+00	2.83E-02	7.06E-05	--	--	4.40E-11	9.41E-07	1.61E-14	1.09E-08	1.33E-03	6.81E-07	4.84E-06	1.43E-12
LA	LA-TA-55-18	2.50	8.59E-01	--	--	--	4.69E-05	4.40E+01	1.83E+01	1.92E+00	2.43E-02	5.46E-03	5.07E-09	--	7.49E-11	2.83E-05	3.16E-14	1.58E-08	3.54E-02	2.69E-06	8.56E-06	1.23E-10
LA	LA-TA-55-19	4612.83	9.77E+02	7.65E-03	1.54E-03	4.04E-07	6.03E-02	5.68E+03	4.74E+03	1.35E+03	1.81E+01	3.43E+00	2.95E-06	1.38E-07	1.18E-03	4.48E-03	3.23E-08	8.23E-02	5.18E+00	1.07E-02	7.46E-03	7.85E-03
LA	LA-TA-55-19.01-S	81.42	7.04E+01	4.32E-03	--	4.87E-08	7.04E-03	7.45E+00	2.49E+02	6.07E+01	1.35E+00	1.67E-01	--	--	1.76E-08	1.72E-04	7.94E-13	3.15E-06	1.23E-01	2.59E-04	2.41E-04	3.86E-04
LA	LA-TA-55-19.02-S	228.99	3.95E+02	7.66E-02	--	2.95E-05	3.89E-02	7.49E+01	8.14E+02	2.25E+02	7.05E+00	1.24E+00	--	2.50E-05	5.55E-05	2.66E-03	2.06E-05	4.55E-03	8.52E-01	1.06E-03	8.81E-04	1.53E-03
LA	LA-TA-55-20	55.14	3.71E+01	4.04E-04	--	5.82E-08	3.20E-03	6.65E+02	1.88E+02	4.72E+01	1.08E+00	4.00E-01	1.51E-07	5.39E-08	8.20E-09	4.19E-04	7.71E-13	1.43E-06	5.30E-01	5.36E-04	2.10E-04	8.93E-05
LA	LA-TA-55-21	174.32	1.05E+02	8.13E-05	--	9.44E-09	6.00E-03	9.74E+02	6.82E+02	1.85E+02	2.14E+00	2.00E-01	1.60E-07	7.94E-09	1.05E-08	7.49E-04	3.95E-12	2.12E-06	8.74E-01	7.76E-04	9.43E-04	3.02E-03
LA	LA-TA-55-22	88.96	1.98E+01	6.79E-05	3.43E-03	1.78E-07	9.66E-04	1.01E+03	8.97E+01	2.20E+01	4.58E-01	2.05E-02	1.88E-08	4.22E-08	1.35E-09	5.77E-04	3.38E-13	3.02E-07	7.57E-01	2.66E-05	9.47E-05	6.62E-06
LA	LA-TA-55-23	34.32	2.87E+01	2.01E-05	--	--	1.66E-03	6.61E+01	2.09E+02	5.37E+01	6.31E-01	6.04E-03	--	--	2.93E-09	4.59E-05	9.38E-13	5.89E-07	5.58E-02	5.00E-05	2.46E-04	4.24E-07
LA	LA-TA-55-24	5.20	3.10E+00	6.31E-05	--	--	3.91E-04	3.16E+01	2.18E+01	5.17E+00	9.71E-02	3.88E-04	--	--	1.18E-09	1.91E-05	8.44E-14	1.95E-07	2.45E-02	1.49E-04	2.30E-05	3.16E-05
LA	LA-TA-55-25	15.65	1.61E+01	4.85E-05	--	--	9.29E-04	2.28E+02	1.39E+02	3.01E+01	3.79E-01	1.68E-01	1.58E-07	--	1.63E-09	1.49E-04	5.01E-13	3.28E-07	1.85E-01	2.06E-05	1.35E-04	3.80E-09
LA	LA-TA-55-26	2.29	3.49E+00	--	--	--	1.72E-04	4.16E+01	1.78E+00	6.87E-01	5.25E-02	9.04E-02	8.57E-08	--	2.37E-10	2.34E-05	1.02E-14	5.35E-08	3.09E-02	2.50E-07	2.91E-06	1.94E-09
LA	LA-TA-55-27	0.42	2.43E-03	--	--	--	1.35E-07	2.27E-04	2.53E-02	5.85E-03	6.27E-05	3.43E-07	--	--	2.21E-13	1.51E-10	9.87E-17	4.61E-11	1.87E-07	3.77E-09	2.64E-08	7.81E-15
LA	LA-TA-55-28	1.04	2.60E-01	--	--	--	1.11E-05	2.50E-02	4.77E+00	5.85E-01	1.12E-02	3.42E-05	--	--	1.21E-11	1.35E-08	8.48E-15	3.05E-09	1.81E-05	6.60E-07	2.45E-06	7.23E-13
LA	LA-TA-55-29	8.32	2.99E+00	--	--	--	1.30E-04	8.13E+02	5.04E+00	1.72E+00	1.11E-01	4.75E-02	3.62E-08	--	1.49E-10	4.39E-04	2.49E-14	3.68E-08	5.91E-01	6.97E-07	7.17E-06	1.00E-09
LA	LA-TA-55-30	2262.94	1.88E+03	9.91E-03	--	3.89E-07	1.14E-01	1.23E+04	8.67E+03	2.33E+03	3.40E+01	8.84E+00	7.74E-06	3.54E-07	3.09E-05	9.04E-03	6.96E-07	1.96E-03	1.07E+01	8.45E-03	1.11E-02	7.92E-02
LA	LA-TA-55-30-S	95.32	1.17E+02	6.43E-03	--	4.37E-04	1.30E-02	1.66E+01	2.46E+02	6.87E+01	1.83E+00	5.98E-02	--	3.99E-04	1.17E-04	1.90E-05	3.28E-05	9.49E-03	2.05E-02	2.48E-04	2.71E-04	5.58E-04
LA	LA-TA-55-31	76.03	7.17E+01	8.66E-06	--	--	3.83E-03	1.55E+01	4.76E+02	1.22E+02	2.28E+00	1.05E+00	9.89E-07	--	5.91E-09	1.64E-05	2.12E-12	1.27E-06	1.74E-02	2.45E-04	5.58E-04	1.59E-05
LA	LA-TA-55-32	8.36	6.52E+00	--	--	--	3.61E-04	1.04E+03	2.07E+01	5.88E+00	1.13E-01	1.51E-02	1.31E-08	--	5.94E-10	6.96E-04	1.76E-13	1.24E-07	8.57E-01	7.89E-05	3.69E-05	7.06E-07
LA	LA-TA-55-33	2.50	3.25E-01	--	--	--	1.82E-05	3.14E-02	8.53E-01	4.12E-01	7.61E-03	1.26E-04	--	--	3.08E-11	2.18E-08	7.14E-15	6.33E-09	2.65E-05	1.29E-07	1.89E-06	2.92E-12
LA	LA-TA-55-34	70.51	3.01E+02	--	--	--	1.67E-02	2.21E+01	1.82E+03	4.54E+02	5.36E+00	1.42E-01	9.66E-08	--	1.36E-04	3.33E-05	7.81E-12	9.64E-03	3.19E-02	8.31E-04	2.07E-03	2.80E-02
LA	LA-TA-55-35	1.46	8.94E+01	--	--	--	4.63E-03	3.83E-01	3.01E+01	7.10E+00	1.17E-01	8.65E-03	7.78E-09	--	6.75E-09	4.65E-07	1.13E-13	1.49E-06	4.79E-04	1.02E-05	3.11E-05	5.57E-08
LA	LA-TA-55-36	78.02	6.16E+03	--	--	--	3.26E-01	1.13E+02	1.11E+03	2.65E+02	4.19E+00	5.80E-01	4.76E-07	--	4.92E-07	8.77E-05	4.14E-12	1.07E-04	1.03E-01	8.00E-04	1.15E-03	1.85E-02
LA	LA-TA-55-37	3.33	4.97E+01	--	--	--	2.48E-03	3.52E-01	2.01E+01	5.54E+00	1.46E-01	6.77E-04	--	--	3.39E-09	4.64E-05	7.91E-14	7.73E-07	3.72E-02	1.52E-03	2.30E-05	4.50E-02
LA	LA-TA-55-38	374.82	7.71E+03	3.93E-01	--	--	4.36E-01	9.89E+02	6.54E+03	1.79E+03	2.26E+01	1.83E+00	1.44E-06	--	1.38E-03	9.53E-04	2.30E-03	9.65E-02	1.03E+00	7.97E-03	8.64E-03	2.71E-01
LA	LA-TA-55-39	69.26	3.40E+02	--	--	--	1.88E-02	3.71E+01	3.38E+03	7.86E+02	8.76E+00	2.72E-01	2.07E-07	--	3.09E-08	2.50E-05	1.33E-11	6.45E-06	3.07E-02	5.08E-04	3.55E-03	4.33E-08
LA	LA-TA-55-40	1.25	9.31E+01	--	--	--	4.89E-03	2.93E-01	2.27E+01	5.45E+00	8.62E-02	4.96E-03	4.35E-09	--	7.28E-09	1.71E-07	8.35E-14	1.59E-06	2.23E-04	3.22E-06	2.34E-05	1.08E-10

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-41	18.95	1.23E+03	--	--	--	6.43E-02	7.21E+00	3.64E+02	8.75E+01	1.49E+00	3.71E-01	3.46E-07	--	9.58E-08	4.21E-06	1.34E-12	2.10E-05	5.49E-03	5.18E-05	3.76E-04	8.06E-09
LA	LA-TA-55-42	0.62	2.03E-01	--	--	--	8.85E-06	8.26E+01	1.45E-01	7.29E-02	7.51E-03	5.99E-05	--	--	1.00E-11	4.28E-05	1.03E-15	2.49E-09	5.86E-02	1.97E-08	3.01E-07	1.25E-12
LA	LA-TA-55-43	13.82	1.91E+00	1.93E-06	--	--	1.15E-04	2.12E+02	9.37E+00	2.66E+00	4.34E-02	6.05E-04	--	--	2.17E-10	1.55E-04	1.50E-06	4.23E-08	1.85E-01	1.48E-06	1.21E-05	1.39E-11
LA	LA-TA-55-43.01-S	190.89	5.74E-01	1.42E-05	--	--	6.37E-05	1.96E+02	4.65E-01	7.54E-01	1.21E-02	5.33E-04	--	--	1.70E-10	1.36E-04	4.58E-06	2.97E-08	1.68E-01	6.20E-08	3.04E-06	1.09E-11
LA	LA-TA-55-44	0.42	5.00E-02	--	--	--	1.95E-06	5.64E-03	3.14E-01	8.67E-02	3.27E-03	1.26E-05	--	--	1.84E-12	2.53E-09	1.10E-15	4.99E-10	3.68E-06	4.07E-08	3.39E-07	2.48E-13
LA	LA-TA-55-46	0.21	7.91E-05	--	--	--	4.25E-09	2.65E-02	5.06E-05	2.56E-05	1.61E-06	2.09E-08	--	--	6.60E-15	1.64E-08	4.09E-19	1.41E-12	2.09E-05	7.36E-12	1.12E-10	4.63E-16
LA	LA-TA-55-47	2.10	2.81E-03	--	--	--	1.20E-07	4.74E-02	2.79E-02	6.49E-03	1.21E-04	4.12E-07	--	--	1.31E-13	2.56E-08	9.40E-17	3.30E-11	3.44E-05	3.86E-09	2.71E-08	8.71E-15
LA	LA-TA-55-50	2.93	3.99E-02	--	--	--	1.78E-06	8.94E-01	1.65E-01	4.34E-02	1.17E-03	5.05E-06	--	--	2.08E-12	4.45E-07	5.94E-16	5.09E-10	6.19E-04	2.22E-08	1.76E-07	1.04E-13
LA	LA-TA-55-53	11.86	5.75E+01	--	--	--	2.50E-03	3.56E+00	3.03E+02	7.43E+01	1.92E+00	5.47E-03	--	--	2.79E-09	1.67E-06	9.71E-13	6.98E-07	2.38E-03	3.99E-05	2.95E-04	1.10E-10
LA	LA-TA-55-54	1.04	1.70E+00	--	--	--	9.47E-05	2.26E+00	8.01E+00	2.23E+00	3.01E-02	3.24E-04	--	--	1.58E-10	1.54E-06	3.82E-14	3.26E-08	1.89E-03	1.20E-06	1.01E-05	7.42E-12
LA	LA-TA-55-56	9.36	3.01E+01	1.20E-04	--	2.05E-08	2.16E-03	7.92E+00	1.61E+02	3.95E+01	4.27E-01	2.83E-03	--	1.89E-08	5.01E-09	6.36E-06	6.58E-13	8.95E-07	7.32E-03	7.06E-05	1.77E-04	3.17E-07
LA	LA-TA-55-60	128.52	7.02E+00	--	--	--	4.09E-03	3.64E+00	1.27E+01	4.34E+00	1.39E-01	4.03E-01	3.82E-07	--	1.85E-08	2.57E-06	7.62E-14	2.62E-06	3.10E-03	1.93E-06	2.00E-05	3.63E-07
LA	LA-TA-55-61	198.45	6.75E+00	--	--	--	3.77E-04	1.94E+01	2.54E+01	8.61E+00	1.55E-01	1.78E-02	1.50E-08	--	6.27E-10	1.32E-05	1.47E-13	1.30E-07	1.62E-02	3.82E-06	3.91E-05	4.08E-10
LA	LA-TA-55-62	43.47	4.08E-01	--	--	--	2.29E-05	4.26E-02	9.78E-01	4.65E-01	9.56E-03	1.56E-04	--	--	3.86E-11	2.96E-08	8.06E-15	7.94E-09	3.59E-05	1.48E-07	2.13E-06	3.61E-12
LA	LA-TA-55-63	3.78	2.25E-02	--	--	--	1.21E-06	2.15E-03	2.32E-01	5.37E-02	6.97E-04	3.15E-06	--	--	1.88E-12	1.33E-09	8.58E-16	4.02E-10	1.69E-06	3.37E-08	2.36E-07	6.98E-14
LB	LB-T001	1.82	5.89E-02	8.08E-04	--	--	2.94E-04	7.05E-05	3.45E-03	8.43E-04	7.27E-05	7.46E-05	8.67E-12	--	6.49E-05	1.93E-09	9.09E-09	5.27E-03	3.24E-06	3.50E-08	3.32E-09	8.55E-03
LL	BLCHDN.001-S	1.66	8.94E-02	2.21E-03	1.57E-03	--	8.98E-04	3.22E-02	1.30E-05	5.96E-04	4.18E-04	--	--	--	3.03E-09	1.39E-08	4.98E-18	5.04E-07	2.05E-05	9.64E-13	1.84E-09	--
LL	LL-M001	346.58	8.25E+02	2.93E-01	7.92E+00	3.59E-02	5.39E-02	2.19E+02	5.11E+02	1.91E+02	5.33E+00	1.03E-01	1.50E-08	4.79E-07	5.75E-03	3.92E-04	5.06E-06	3.81E-01	1.45E-01	7.89E-04	7.21E-04	2.16E-03
LL	LL-M001-S5400-S	143.14	2.97E+02	1.34E-02	2.45E-01	1.12E-06	8.61E-02	1.32E+02	5.96E+02	1.66E+02	4.78E+00	3.17E-02	--	1.01E-06	2.62E-07	7.83E-05	2.04E-12	4.47E-05	1.02E-01	5.72E-04	6.39E-04	3.54E-03
LL	LL-T004	1.25	1.62E+01	--	1.40E-05	--	8.05E-04	5.67E-01	3.93E+00	1.90E+00	5.74E-02	1.20E-03	--	--	1.07E-09	2.34E-07	2.26E-14	2.48E-07	3.52E-04	4.93E-07	7.19E-06	2.30E-11
LL	LL-W018a	590.42	8.43E+03	1.34E-03	9.19E-04	1.11E-01	3.86E-01	6.28E+02	7.88E+01	4.15E-01	3.78E+00	1.98E-05	1.25E-18	3.19E-01	7.69E-03	2.78E-04	4.94E-15	6.49E-01	4.06E-01	6.58E-05	1.57E-06	3.68E-03
LL	LL-W018b	34.76	1.93E+00	--	1.10E-05	--	8.51E-05	4.83E-02	1.40E+00	4.15E-01	2.75E-02	8.97E-05	--	--	9.46E-11	1.99E-08	4.95E-15	2.38E-08	3.00E-05	1.77E-07	1.57E-06	1.72E-12
LL	LL-W019	15.81	3.36E+01	2.22E-06	1.32E-04	1.53E-06	2.84E-03	7.94E+00	6.47E+01	1.82E+01	6.22E-01	3.75E-03	--	1.40E-06	1.24E-02	3.45E-06	2.17E-13	1.05E+00	5.08E-03	6.01E-04	6.92E-05	1.18E-03
MC	MC-W001	0.21		--	--	--	3.95E-05	--	5.03E-03	--	--	--	--	--	1.91E-10	--	--	2.65E-08	--	7.66E-10	--	--
NT	NT-JAS-01	2830.77	5.04E+02	--	--	--	2.20E-02	7.12E+01	2.80E+02	2.24E+02	1.33E+01	--	--	--	2.45E-08	3.13E-05	2.80E-12	6.16E-06	4.58E-02	3.59E-05	8.69E-04	--
NT	NTLBL-S5400-S	1.66	9.53E-01	5.73E-03	7.22E-03	2.82E-06	7.19E-04	5.41E-02	6.70E-01	1.53E-01	7.87E-03	2.12E-05	--	2.58E-06	2.30E-09	2.28E-08	1.84E-15	3.89E-07	3.39E-05	8.48E-08	5.82E-07	4.09E-13
NT	NTLRC-S5400-S	3.12	4.86E+00	3.47E-05	--	6.10E-08	4.58E-04	2.12E-01	7.17E+00	2.61E+00	7.74E-02	2.93E-04	--	5.58E-08	1.05E-09	5.19E-06	3.15E-14	1.96E-07	4.57E-03	1.49E-04	9.96E-06	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	4.35E+00	9.07E-07	--	--	2.28E-04	3.51E-01	2.42E+01	5.44E+00	9.96E-02	4.31E-04	--	--	7.08E-05	1.19E-06	6.59E-14	5.94E-03	1.12E-03	2.09E-05	2.08E-05	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	4.57E+00	--	--	--	2.24E-04	4.42E-01	3.87E+01	7.11E+00	1.50E-01	5.25E-04	--	--	3.07E-10	2.52E-07	8.61E-14	6.98E-08	3.35E-04	4.89E-06	2.72E-05	2.84E-05
NT	NT-RF-METAL-S	6.03	1.00E+00	2.69E-06	--	--	5.33E-05	7.88E-02	6.71E+00	1.65E+00	3.53E-02	1.35E-04	--	--	8.13E-11	5.14E-05	1.99E-14	1.76E-08	4.46E-02	2.82E-05	6.30E-06	2.23E-02
NT	NTS54332R0-S	307.24	1.29E+02	1.28E-02	2.37E-02	1.29E-05	1.99E-02	9.26E+00	3.68E+02	9.53E+01	2.46E+00	1.04E-02	--	1.21E-05	2.61E-03	3.62E-05	1.17E-12	2.17E-01	3.36E-02	1.00E+00	3.67E-04	1.01E-02
NT	NTS54COMR0-S	50.35	3.13E+01	2.07E-02	1.99E-01	4.50E-06	6.26E-03	7.90E+00	5.10E+01	1.21E+01	2.79E-01	1.84E-03	--	4.11E-06	3.14E-03	5.75E-06	1.49E-13	2.61E-01	7.05E-03	1.96E-05	4.66E-05	8.79E-04
NT	NTS54MIX1R0-S	0.42	3.43E-03	9.45E-05	--	4.00E-06	9.42E-07	1.49E-04	2.88E-02	6.87E-03	5.26E-05	6.82E-07	--	--	2.93E-12	6.68E-11	8.71E-17	4.93E-10	9.70E-08	3.73E-09	2.69E-08	1.35E-14
NT	NT-W001	291.38	1.17E+02	5.73E-01	7.12E-03	6.37E-04	8.59E-03	2.20E+01	1.32E+03	8.73E+00	1.38E-01	4.14E-02	4.75E-07	1.97E-06	1.17E-02	1.67E-05	1.40E-13	8.55E-01	1.97E-02	2.41E-04	3.84E-05	7.31E-05
NT	NT-W021	9.58	8.33E+00	--	--	--	4.48E-04	5.77E-01	5.42E+01	1.23E+01	2.58E-01	1.10E-03	--	--	6.95E-10	4.01E-05	1.97E-13	1.49E-07	3.05E-02	5.84E-04	5.40E-05	2.97E-02
OR	OR-W201	2083.28	1.33E+04	1.14E+00	5.29E+00	7.00E-01	1.04E+00	2.61E+03	2.97E+03	4.02E+03	3.56E+02	2.04E+00	2.07E-07	3.41E+00	1.82E+00	7.85E-02	1.08E-03	1.32E+02	5.97E+01	1.06E-02	7.40E-01	1.75E-01
OR	OR-W202	720.66	4.18E+02	5.27E+00	1.52E+01	3.21E-02	9.28E-01	7.78E+02	2.11E+02	1.99E+02	1.59E+00	2.09E-01	1.23E-05	7.27E-02	1.32E+00	5.96E-03	1.37E-03	9.55E+01	6.59E-01	4.45E-03	9.54E-04	2.74E-02
OR	OR-W203	386.56	3.73E+00	2.46E-01	3.32E+00	6.91E-01	1.63E-04	9.66E-01	4.87E-02	3.39E+00	6.93E-02	3.34E-02	7.89E-09	4.68E+00	1.79E-10	3.98E-07	3.59E-14	4.53E-08	5.99E-04	6.05E-09	1.20E-05	6.33E-10
OR	OR-W204	18.10	1.20E-01	3.12E-04	9.91E-03	1.07E-02	6.51E-06	7.59E-02	1.56E-01	1.00E-01	2.56E-04	6.73E-07	--	1.21E-03	1.45E-03	2.39E-07	1.64E-15	1.05E-01	2.04E-04	1.97E-05	4.44E-07	1.50E-04
OR	OR-W205	101.71	1.22E+02	--	--	--	6.63E-03	8.06E+00	2.86E+02	1.25E+02	1.28E+00	9.76E-03	--	--	1.12E-04	7.73E-03	7.35E-06	8.09E-03	5.81E+00	5.06E-04	5.54E-04	6.02E-03
RF	RF001.01-S	979.16	1.53E+03	1.17E-03	--	--	1.22E-01	5.35E+01	3.35E+03	7.72E+02	2.54E+01	1.18E-01	--	--	9.34E-04	2.63E-04	1.01E-11	7.54E-02	2.35E-01	1.00E-02	3.06E-03	2.21E-03
RF	RF002.01-S	1461.40	1.54E+03	1.05E-03	--	1.69E-05	7.75E-02	7.96E+01	4.39E+03	1.02E+03	4.13E+01	1.23E-01	--	--	2.69E-04	1.89E-04	1.32E-11	2.19E-02	1.81E-01	7.57E-03	4.04E-03	2.83E-01
RF	RF003.01-S	355.39	2.82E+03	--	--	--	1.29E-01	1.92E+02	1.26E+04	3.03E+03	8.02E+01	2.93E-01	--	--	1.25E-04	1.08E-04	3.96E-11	1.01E-02	1.43E-01	2.16E-03	1.20E-02	1.30E-03
RF	RF004.01-S	282.97	2.54E+02	8.73E-07	--	--	1.23E-02	1.20E+01	6.84E+02	1.57E+02	6.94E+00	1.91E-02	--	--	1.67E-08	2.95E-05	1.99E-12	3.81E-06	2.83E-02	7.49E-04	6.14E-04	7.54E-04
RF	RF005.01-S	119.39	4.54E+03	--	--	--	2.22E-01	7.56E+01	4.77E+03	1.21E+03	1.79E+01	1.01E-01	--	--	2.92E-07	3.69E-05	1.64E-11	6.77E-05	5.17E-02	7.17E-04	4.89E-03	2.06E-09
RF	RF005.02-S	78.42	5.39E+03	--	--	--	2.62E-01	4.47E+01	2.89E+03	7.53E+02	9.86E+00	6.46E-02	--	--	3.40E-07	2.21E-05	9.99E-12	7.96E-05	3.08E-02	4.02E-04	3.01E-03	1.73E-07
RF	RF006.01-S	235.66	2.25E+03	--	--	--	1.06E-01	1.68E+02	9.18E+03	2.20E+03	6.71E+01	2.97E-01	--	--	1.40E-07	9.89E-05	3.23E-11	3.21E-05	1.29E-01	1.47E-03	9.26E-03	1.39E-06
RF	RF008.01-S	97.15	1.07E+03	--	--	--	6.18E-02	7.24E+01	3.38E+03	9.18E+02	2.37E+01	1.36E-01	--	--	1.06E-07	3.49E-05	1.22E-11	2.17E-05	4.92E-02	4.75E-04	3.68E-03	7.80E-08
RF	RF009.01-S	1326.87	5.73E+04	--	--	--	3.07E+00	7.19E+02	5.48E+04	1.35E+04	2.12E+02	1.37E+00	--	--	4.67E-06	3.48E-04	1.76E-10	1.01E-03	4.89E-01	7.51E-03	5.35E-02	2.74E-06
RF	RF010.01-S	629.55	1.67E+03	4.05E-05	--	--	7.98E-02	9.23E+01	6.24E+03	1.44E+03	4.14E+01	1.59E-01	--	--	1.04E-07	1.89E-04	1.86E-11	2.42E-05	1.85E-01	4.80E-03	5.68E-03	3.58E-03
RF	RF011.01-S	79.52	2.89E+02	--	--	--	1.28E-02	2.31E+01	1.48E+03	3.53E+02	8.73E+00	3.06E-02	--	--	1.49E-08	1.12E-05	4.48E-12	3.66E-06	1.57E-02	2.15E-04	1.38E-03	4.21E-06
RF	RF015.01-S	1.66	5.49E+00	--	--	--	3.12E-04	3.49E-01	1.87E+01	4.32E+00	2.15E-01	5.82E-04	--	--	5.27E-10	1.57E-07	5.48E-14	1.09E-07	2.27E-04	2.42E-06	1.69E-05	1.15E-11
RF	RF029.01-S	4346.98	2.76E+03	1.43E-03	--	1.42E-06	1.41E-01	1.36E+02	6.83E+03	1.63E+03	8.54E+01	2.21E-01	1.46E-15	8.88E-09	2.07E-07	1.55E-04	2.03E-11	4.56E-05	1.69E-01	3.51E-03	6.32E-03	1.26E-03
RF	RF031.01-S	20.59	1.39E+01	--	--	--	6.29E-04	8.57E-01	4.80E+01	1.10E+01	5.33E-01	1.32E-03	--	--	7.67E-10	1.40E-06	1.35E-13	1.84E-07	1.44E-03	3.53E-05	4.24E-05	4.10E-05
RF	RF032.01-S	209.25	2.39E+03	--	--	--	1.30E-01	1.15E+02	8.59E+03	2.00E+03	4.21E+01	1.51E-01	--	--	2.02E-07	5.48E-05	2.57E-11	4.34E-05	7.76E-02	1.18E-03	7.87E-03	5.07E-07
RF	RF033.01-S	25.58	1.73E+02	--	--	--	7.98E-03	1.28E+01	7.96E+02	1.84E+02	6.49E+00	1.84E-02	--	--	1.01E-08	6.10E-06	2.33E-12	2.38E-06	8.63E-03	1.14E-04	7.19E-04	6.00E-05
RF	RF036.01-S	44.10	7.68E+01	8.05E-05	--	--	3.51E-03	4.97E+00	2.64E+02	6.10E+01	3.33E+00	8.18E-03	--	--	4.39E-09	4.99E-06	7.49E-13	1.04E-06	5.62E-03	1.44E-04	2.35E-04	2.98E-03
RF	RF101.01-S	174.96	4.74E+02	1.04E-03	--	--	2.23E-02	2.97E+01	1.68E+03	3.90E+02	1.58E+01	4.61E-02	--	--	2.88E-08	6.23E-05	4.94E-12	6.70E-06	6.10E-02	1.57E-03	1.52E-03	8.53E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF101.29-S	30.39	4.20E+01	--	--	--	1.96E-03	2.84E+00	1.56E+02	3.59E+01	1.36E+00	4.24E-03	--	--	2.52E-09	7.84E-06	4.62E-13	5.89E-07	7.38E-03	2.00E-04	1.41E-04	2.04E-04
RF	RF101.30-S	117.41	3.80E+02	3.10E-04	--	--	1.92E-02	1.43E+01	8.76E+02	2.04E+02	6.87E+00	2.54E-02	--	--	2.73E-08	2.60E-05	2.63E-12	6.10E-06	2.58E-02	6.44E-04	8.04E-04	1.85E-04
RF	RF101.31-S	62.53	7.80E+01	1.35E-05	--	--	3.71E-03	3.88E+00	2.33E+02	5.48E+01	1.75E+00	8.25E-03	--	--	4.84E-09	8.54E-06	7.16E-13	1.13E-06	8.22E-03	2.13E-04	2.18E-04	8.29E-05
RF	RF101.35-S	79.56	2.66E+02	--	--	--	1.35E-02	1.09E+01	6.36E+02	1.47E+02	5.76E+00	2.08E-02	--	--	1.96E-08	1.05E-04	1.89E-12	4.34E-06	9.17E-02	2.80E-03	5.80E-04	2.19E-04
RF	RF102.01-S	223.63	2.02E+02	1.97E-04	--	5.35E-04	1.00E-02	1.09E+01	5.71E+02	1.35E+02	6.55E+00	1.77E-02	--	--	1.40E-08	9.73E-06	1.71E-12	3.15E-06	1.12E-02	2.10E-04	5.27E-04	3.99E-04
RF	RF102.31-S	124.09	1.50E+02	1.91E-05	--	--	7.61E-03	5.05E+00	2.74E+02	6.41E+01	2.90E+00	8.46E-03	--	--	1.08E-08	1.16E-05	8.13E-13	2.42E-06	1.12E-02	3.11E-04	2.51E-04	2.14E-03
RF	RF104.01-S	54.38	1.35E+02	2.25E-04	--	--	6.84E-03	5.94E+00	4.08E+02	9.51E+01	2.98E+00	9.38E-03	--	--	9.71E-09	3.59E-06	1.19E-12	2.17E-06	4.66E-03	8.08E-05	3.69E-04	1.40E-04
RF	RF107.01-S	63.44	2.17E+03	--	--	--	1.15E-01	3.49E+00	1.90E+02	4.36E+01	2.36E+00	5.79E-03	--	--	1.67E-07	2.14E-05	5.37E-13	3.70E-05	1.94E-02	1.13E-03	1.68E-04	5.98E-02
RF	RF107.03-S	60.94	1.52E+01	--	--	--	7.83E-04	4.28E-01	2.31E+01	5.31E+00	2.88E-01	7.07E-04	--	--	1.13E-09	9.00E-05	6.53E-14	2.51E-07	7.78E-02	9.13E-03	2.05E-05	6.86E-01
RF	RF107.04-S	110.31	6.03E+01	--	--	--	3.13E-03	1.53E+00	8.29E+01	1.91E+01	1.03E+00	2.53E-03	--	--	4.54E-09	3.10E-06	2.34E-13	1.01E-06	3.08E-03	2.21E-04	7.34E-05	1.54E-02
RF	RF107.05-S	4.37	6.90E+00	--	--	--	3.14E-04	3.76E-01	2.03E+01	4.68E+00	2.54E-01	6.22E-04	--	--	3.85E-10	1.16E-05	5.76E-14	9.20E-08	1.01E-02	3.20E-04	1.80E-05	2.81E-06
RF	RF107.06-S	14.35	7.97E-01	--	--	--	3.32E-05	5.59E-02	3.04E+00	6.99E-01	3.78E-02	9.26E-05	--	--	3.50E-11	2.70E-06	8.60E-15	9.00E-09	2.35E-03	2.64E-04	2.69E-06	2.01E-02
RF	RF107.07-S	58.88	3.42E+02	1.68E-03	--	--	1.70E-02	1.36E+01	7.21E+02	1.67E+02	9.11E+00	2.23E-02	--	--	2.37E-08	1.64E-04	2.05E-12	5.35E-06	1.45E-01	4.51E-03	6.42E-04	2.20E-03
RF	RF110.01-S	9.15	6.75E+01	1.70E-03	--	--	3.18E-03	2.29E+00	1.25E+02	2.89E+01	1.17E+00	6.55E-03	--	--	4.02E-09	2.06E-06	3.66E-13	9.50E-07	2.36E-03	4.60E-05	1.13E-04	1.94E-04
RF	RF110.05-S	31.53	9.76E+01	--	--	--	4.37E-03	7.53E+00	4.60E+02	1.05E+02	2.67E+00	1.03E-02	--	--	5.13E-09	9.31E-06	1.35E-12	1.25E-06	9.90E-03	2.19E-04	4.15E-04	1.67E-05
RF	RF113.01-S	0.42	9.87E-02	--	--	--	5.06E-06	6.71E-03	3.69E-01	8.49E-02	4.18E-03	1.13E-05	--	--	7.57E-12	3.01E-09	1.08E-15	1.65E-09	4.37E-06	4.78E-08	3.32E-07	2.23E-13
RF	RF115.01-S	114.91	5.30E+02	--	--	--	2.46E-02	3.84E+01	2.52E+03	5.81E+02	1.16E+01	4.93E-02	--	--	3.05E-08	1.82E-05	7.37E-12	7.27E-06	2.58E-02	3.58E-04	2.27E-03	6.25E-04
RF	RF116.01-S	3.95	2.11E+01	--	--	--	1.07E-03	9.41E-01	9.76E+01	2.24E+01	2.90E-01	1.52E-03	--	--	1.51E-09	4.22E-07	2.84E-13	3.39E-07	6.13E-04	1.26E-05	8.77E-05	3.00E-11
RF	RF117.01-S	1.87	7.39E+00	--	--	--	3.48E-04	4.52E-01	2.44E+01	5.62E+00	2.81E-01	7.30E-04	--	--	4.54E-10	1.90E-06	7.02E-14	1.05E-07	1.75E-03	5.01E-05	2.18E-05	4.15E-07
RF	RF118.01-S	1432.29	1.63E+04	1.24E-03	--	--	7.73E-01	1.53E+03	6.64E+04	1.77E+04	4.56E+02	2.18E+00	--	--	1.02E-06	1.05E-03	2.32E-10	2.35E-04	1.30E+00	1.76E-02	7.04E-02	2.00E-04
RF	RF119.01-S	24.13	5.02E+01	--	--	--	2.38E-03	2.73E+00	1.46E+02	3.42E+01	1.76E+00	4.46E-03	--	--	3.10E-09	1.72E-06	4.20E-13	7.20E-07	2.21E-03	3.58E-05	1.32E-04	2.13E-04
RF	RF121.01-S	45.97	2.82E+02	--	--	--	1.24E-02	2.36E+01	1.97E+03	4.66E+02	7.23E+00	3.05E-02	--	--	1.39E-08	1.11E-05	5.82E-12	3.48E-06	1.58E-02	2.73E-04	1.81E-03	1.81E-07
RF	RF122.01-S	35.57	2.75E+02	--	--	--	6.84E-02	2.31E+01	1.37E+03	3.26E+02	6.38E+00	3.48E-02	--	--	2.10E-07	1.04E-05	4.13E-12	3.55E-05	1.50E-02	1.77E-04	1.27E-03	6.88E-10
RF	RF122.03-S	4.37	2.93E+01	--	--	--	1.72E-03	2.59E-01	1.42E+01	3.25E+00	1.75E-01	4.30E-04	--	--	2.83E-09	1.06E-05	4.00E-14	5.96E-07	9.20E-03	6.08E-04	1.25E-05	3.39E-02
RF	RF122.04-S	54.08	2.77E+02	--	--	--	1.61E-02	2.96E+00	1.61E+02	3.69E+01	1.99E+00	4.90E-03	--	--	2.63E-08	3.97E-05	4.54E-13	5.55E-06	3.50E-02	3.52E-03	1.42E-04	2.34E-01
RF	RF122.05-S	16.22	3.22E+00	--	--	--	1.52E-04	1.01E-01	5.44E+00	1.25E+00	6.81E-02	1.67E-04	--	--	1.95E-10	2.33E-05	1.54E-14	4.58E-08	2.01E-02	1.05E-03	4.83E-06	3.90E-02
RF	RF122.06-S	7.28	6.03E+01	--	--	--	3.03E-03	3.68E+00	2.52E+02	5.89E+01	1.15E+00	6.36E-03	--	--	4.25E-09	2.03E-06	7.46E-13	9.56E-07	2.72E-03	4.55E-05	2.30E-04	2.81E-04
RF	RF123.01-S	9.38	6.90E+01	--	--	--	3.15E-03	3.72E+00	3.01E+02	6.95E+01	1.43E+00	4.97E-03	--	--	3.77E-09	2.08E-06	8.82E-13	9.13E-07	2.77E-03	5.22E-05	2.72E-04	9.91E-08
RF	RF123.02-S	0.83	2.46E-02	--	--	--	1.02E-06	1.55E-03	8.28E-02	1.91E-02	1.04E-03	2.55E-06	--	--	1.06E-12	2.72E-07	2.35E-16	2.75E-10	2.35E-04	2.70E-05	7.35E-08	2.10E-03
RF	RF123.03-S	12.06	2.74E+02	--	--	--	1.48E-02	3.80E+00	2.05E+02	4.73E+01	2.45E+00	6.31E-03	--	--	2.24E-08	1.86E-06	5.90E-13	4.89E-06	2.61E-03	4.53E-05	1.83E-04	1.47E-03
RF	RF123.04-S	44.51	2.30E+02	--	--	--	1.05E-02	1.50E+01	8.04E+02	1.86E+02	9.67E+00	2.49E-02	--	--	1.30E-08	7.52E-06	2.32E-12	3.07E-06	1.04E-02	1.31E-04	7.20E-04	2.61E-04
RF	RF124.01-S	94.24	6.85E+01	4.45E-06	--	--	4.34E-03	4.16E+00	2.46E+02	5.61E+01	2.37E+00	6.58E-03	--	--	8.15E-09	1.02E-05	7.23E-13	1.61E-06	9.73E-03	1.56E-04	2.21E-04	1.42E-04
RF	RF124.02-S	13.31	1.82E+01	--	--	--	9.03E-04	1.18E+00	6.64E+01	1.51E+01	6.57E-01	1.84E-03	--	--	1.29E-09	9.04E-07	1.94E-13	2.86E-07	1.08E-03	1.86E-05	5.94E-05	8.78E-08
RF	RF125.01-S	14.39	2.11E+02	--	--	--	1.39E-02	5.72E+00	3.85E+02	8.83E+01	2.48E+00	7.66E-03	--	--	2.60E-08	1.27E-05	1.10E-12	5.19E-06	1.24E-02	3.36E-04	3.43E-04	6.28E-04
RF	RF126.01-S	1.04	6.02E+00	--	--	--	2.59E-04	5.57E-01	3.86E+01	8.57E+00	1.97E-01	5.44E-04	--	--	2.81E-10	2.92E-07	1.07E-13	7.14E-08	3.98E-04	6.25E-06	3.33E-05	1.14E-08
RF	RF126.04-S	2.08	1.32E+01	--	--	--	5.79E-04	9.20E-01	7.05E+01	1.61E+01	3.34E-01	1.27E-03	--	--	6.46E-10	5.56E-07	2.01E-13	1.62E-07	7.22E-04	1.24E-05	6.25E-05	3.15E-08
RF	RF128.01-S	198.22	1.29E+03	--	--	--	5.84E-02	1.38E+02	8.47E+03	2.03E+03	4.14E+01	1.51E-01	--	--	7.03E-08	6.36E-05	2.62E-11	1.69E-05	9.15E-02	1.11E-03	8.02E-03	3.20E-08
RF	RF129.01-S	467.76	3.37E+02	1.01E-04	--	5.67E-06	1.64E-02	1.67E+01	8.65E+02	2.05E+02	1.04E+01	2.71E-02	6.05E-19	--	2.24E-08	5.27E-05	2.56E-12	5.10E-06	4.96E-02	1.48E-03	7.96E-04	6.21E-04
RF	RF129.05-S	448.33	3.93E+02	3.38E-04	--	--	2.70E-02	1.51E+01	7.48E+02	1.79E+02	9.59E+00	2.47E-02	--	--	5.27E-08	1.33E-05	2.23E-12	1.03E-05	1.54E-02	2.82E-04	6.94E-04	6.31E-05
RF	RF130.01-S	38.59	3.01E+02	--	1.08E-09	3.66E-05	2.12E-02	9.20E+00	4.94E+02	1.14E+02	5.93E+00	1.53E-02	8.56E-15	1.63E-03	4.21E-08	5.49E-05	4.56E-09	8.22E-06	4.61E-02	1.65E-03	4.42E-04	2.29E-03
RF	RF134.02-S	11.34	3.06E-01	--	--	--	1.30E-05	1.70E-02	9.22E-01	2.12E-01	1.09E-02	2.82E-05	--	--	1.40E-11	7.45E-09	2.65E-15	3.57E-09	1.09E-05	1.18E-07	8.23E-07	5.54E-13
RF	RF135.01-S	2.29	4.56E+00	--	--	--	2.54E-04	5.98E-02	3.30E+00	7.57E-01	3.89E-02	1.00E-04	--	--	4.01E-10	4.03E-07	9.46E-15	8.59E-08	3.61E-04	3.76E-05	2.94E-06	2.89E-03
RF	RF135.02-S	10.40	2.04E+00	--	--	--	9.82E-05	1.13E-01	6.15E+00	1.41E+00	7.65E-02	1.88E-04	--	--	1.31E-10	4.82E-06	1.74E-14	3.01E-08	4.18E-03	1.33E-04	5.44E-06	1.17E-06
RF	RF137.01-S	0.42	3.10E-01	--	--	--	1.68E-05	1.22E-02	6.80E-01	1.56E-01	7.93E-03	2.05E-05	--	--	2.62E-11	5.35E-09	1.94E-15	5.62E-09	7.84E-06	8.73E-08	6.04E-07	4.01E-13
RF	RF139.01-S	11.65	3.03E+02	--	--	--	1.70E-02	6.08E-01	3.33E+01	7.65E+00	4.12E-01	1.01E-03	--	--	2.67E-08	3.09E-06	9.41E-14	5.74E-06	2.83E-03	2.03E-04	2.95E-05	1.30E-02
RF	RF140.01-S	172.16	7.89E+01	1.34E-05	--	--	3.68E-03	4.97E+00	2.47E+02	5.93E+01	3.15E+00	8.12E-03	--	--	4.75E-09	2.33E-06	7.40E-13	1.11E-06	3.32E-03	3.56E-05	2.30E-04	3.52E-08
RF	RF141.01-S	45.55	2.62E+02	--	--	--	1.11E-02	2.64E+01	1.81E+03	4.20E+02	9.96E+00	2.81E-02	--	--	1.18E-08	3.22E-04	5.25E-12	3.02E-06	2.83E-01	8.80E-03	1.63E-03	7.58E-05
RF	RF141.02-S	175.97	1.76E+03	--	--	--	3.21E-01	1.03E+02	7.40E+03	1.75E+03	3.65E+01	1.52E-01	--	--	9.23E-07	3.86E-04	2.19E-11	1.59E-04	3.58E-01	1.04E-02	6.79E-03	8.32E-05
RL	RL105-01	157.99	3.72E+00	--	--	2.57E+00	1.40E-04	3.02E-01	2.91E+01	6.50E+00	2.93E-01	3.95E-04	--	2.19E+00	1.23E-10	8.98E-03	5.97E-04	3.45E-08	7.87E+00	8.11E-01	2.46E-05	8.72E-03
RL	RL105-03	69.06	3.00E+01	--	--	5.47E+00	6.43E-03	1.09E+00	1.44E+01	7.84E+00	8.75E-01	3.82E-03	--	9.14E-01	1.83E-08	3.13E-05	9.34E-14	3.20E-06	2.77E-02	9.62E-04	2.97E-05	2.04E-02
RL	RL200-01	126.63	4.61E+00	--	--	1.83E-03	1.88E-04	2.57E+00	1.88E+01	4.14E+00	2.17E-01	2.50E-04	--	1.54E-03	1.88E-10	1.07E-06	4.94E-14	4.96E-08	1.61E-03	2.81E-06	1.57E-05	9.97E-06
RL	RL201-01	14.14	1.05E-03	--	--	--	4.79E-08	5.93E-05	6.60E-03	1.46E-03	2.86E-05	8.93E-08	--	--	5.88E-14	3.27E-11	2.15E-17	1.41E-11	4.36E-08	9.19E-10	6.16E-09	1.90E-15
RL	RL202S-01	1.46	4.77E-02	--	--	2.87E-02	2.27E-06	1.53E-03	8.76E-02	2.08E-02	2.84E-04	9.73E-07	--	2.40E-02	2.86E-12	7.30E-10	2.76E-16	6.78E-10	1.03E-06	1.16E-08	8.32E-08	1.97E-14
RL	RL209E-01	52.79	3.12E+01	--	--	4.82E-03	1.65E-03	2.26E+00	2.51E+02	5.56E+01	1.06E+00	3.40E-03	--	4.06E-03	2.49E-09	1.34E-06	8.65E-13	5.42E-07	1.74E-03	3.60E-05	2.41E-04	7.45E-11
RL	RL216Z-02	194.85	1.95E+02	--	--	2.88E-02	8.13E-03	2.10E+01	7.45E+02	1.64E+02	8.29E+00	9.61E-03	--	2.42E-02	8.43E-09	9.04E-06	2.02E-12	2.19E-06	1.34E-02	9.49E-05	6.32E-04	1.87E-10
RL	RL221T-01	17.60	6.80E-03	--	--	3.85E-05	3.99E-07	4.48E-04	5.59E-02	1.24E-02	1.21E-04	7.60E-07	--	3.21E-05	7.29E-13	5.12E-10	2.32E-16	1.44E-10	5.19E-07	1.39E-08	5.90E-08	1.12E-07
RL	RL222S-01	88.61	1.02E+00	--	--	2.36E-03	3.95E-05	7.79E-02	7.07E+00	1.59E+00	6.97E-02	1.00E-04	--	2.01E-03	1.22E-02	8.82E-08	1.89E-14	1.03E+00	9.74E-05	5.93E-06	6.03E-06	5.43E-08
RL	RL231Z-01	1272.78	3.81E+02	--	--	9.63E-03	1.75E-02	3.53E+01	1.51E+03	3.37E+02	9.47E+00	2.05E-02	--	7.98E-03	2.17E-08	6.62E-04	5.52E-05	5.16E-06	5.37E-01	1.66E-03	1.41E-03	5.64E-02

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL231Z-03	13.23	1.32E+01	--	--	--	7.44E-04	1.40E+00	5.02E-02	4.26E-02	2.02E-01	3.89E-07	--	--	1.27E-09	9.90E-07	7.47E-16	2.60E-07	1.19E-03	7.64E-09	1.96E-07	9.04E-15
RL	RL233S-01	91.21	1.25E+01	--	--	3.97E-04	4.99E-04	1.33E+00	7.06E+01	1.71E+01	7.22E-01	6.03E-03	--	3.38E-04	4.85E-10	5.72E-07	2.10E-13	1.30E-07	8.45E-04	8.99E-06	6.57E-05	1.17E-10
RL	RL2718-01	0.83	2.85E-01	--	--	3.12E-06	1.48E-05	1.56E-04	5.25E-02	8.87E-03	2.77E-05	7.89E-08	--	2.57E-06	2.18E-11	8.91E-11	1.34E-16	4.80E-09	1.17E-07	7.43E-09	3.79E-08	1.70E-15
RL	RL300-01	72.87	2.64E+01	--	--	6.98E-02	1.05E-03	3.92E+00	1.55E+02	3.43E+01	1.54E+00	2.09E-03	--	5.93E-02	4.48E-02	2.75E-04	3.32E-03	3.78E+00	2.42E-01	1.12E-02	1.30E-04	3.04E-02
RL	RL308-01	28.12	1.44E+02	--	--	3.74E-04	5.87E-03	1.38E+01	8.69E+00	3.33E+00	6.77E+00	1.85E-04	--	3.19E-04	7.28E-04	2.05E-05	3.91E-14	6.19E-02	2.16E-02	1.77E-04	1.25E-05	4.51E-03
RL	RL324-01	135.33	6.53E+01	--	--	4.05E-01	2.68E-03	4.01E+00	4.08E+02	9.00E+01	2.94E+00	5.56E-03	--	2.27E-01	2.70E-09	1.65E-06	1.07E-12	7.11E-07	2.48E-03	5.11E-05	3.41E-04	1.06E-10
RL	RL325-01	1400.37	2.36E+02	--	--	9.98E+00	9.82E-03	3.48E+01	3.09E+02	1.02E+02	8.54E+00	3.68E-02	--	5.31E+01	1.01E-08	1.41E-05	1.20E-12	2.64E-06	2.13E-02	3.85E-05	3.85E-04	7.00E-10
RL	RL325-03	2.08	7.92E-01	--	--	9.97E-05	3.43E-05	9.02E-02	5.39E-01	3.24E-01	1.75E-02	1.66E-04	--	8.31E-05	3.72E-11	3.72E-08	3.86E-15	9.49E-09	5.59E-05	3.98E-06	1.23E-06	2.68E-06
RL	RL325-05	5.20	9.48E+01	--	--	2.73E-02	3.99E-03	5.52E+00	3.81E-01	3.81E-01	3.96E+00	6.75E-04	--	3.36E-03	4.25E-09	2.53E-06	4.91E-15	1.09E-06	3.64E-03	5.71E-06	1.50E-06	8.57E-08
RL	RL327-01	80.93	3.46E+01	--	--	3.58E+02	1.47E-03	6.22E+00	7.04E+00	6.11E+00	1.08E+00	8.97E-03	--	5.02E-04	1.55E-09	2.56E-06	7.28E-14	4.00E-07	3.86E-03	8.83E-07	2.32E-05	1.72E-10
RL	RLARG-01	0.83	1.92E+01	--	--	2.53E-06	1.04E-03	1.68E+00	1.69E+01	8.43E+00	4.48E-01	3.66E-03	--	2.09E-06	2.98E-03	4.93E-06	1.26E-04	2.16E-01	4.25E-03	3.01E-04	3.73E-05	3.22E-06
RL	RLBART-01	0.62	8.33E-01	--	--	9.58E-04	4.64E-05	3.06E-07	3.61E-05	7.98E-06	1.09E-07	4.90E-10	--	8.04E-04	7.73E-11	2.09E-13	1.37E-19	1.60E-08	2.55E-10	5.42E-12	3.63E-11	1.12E-17
RL	RLBAT-01	19.14	1.12E+00	--	--	1.71E-03	5.96E-05	2.71E+01	9.05E+00	2.00E+00	3.63E-02	1.22E-04	--	1.44E-03	9.13E-11	2.31E-05	3.15E-14	1.97E-08	2.62E-02	3.55E-04	8.71E-06	1.10E-03
RL	RLBET-01	0.42	7.13E-03	--	--	5.34E-03	3.89E-07	5.03E-04	5.80E-02	1.28E-02	2.02E-04	7.82E-07	--	4.49E-03	6.21E-13	2.23E-07	2.11E-16	1.31E-10	1.66E-04	1.70E-05	5.71E-08	1.83E-07
RL	RLBW-01	306.60	4.22E+02	--	--	5.33E-02	1.80E-02	1.11E+01	1.07E+03	2.38E+02	1.13E+01	1.45E-02	--	4.56E-02	1.90E-08	1.02E-04	2.79E-12	4.90E-06	9.32E-02	3.16E-04	8.93E-04	1.02E-02
RL	RLCBWD.001-S	14.36	1.97E+01	--	--	2.52E-08	9.77E-04	1.46E+00	2.36E+01	1.10E+01	3.84E-01	1.70E-03	--	2.10E-08	5.69E-05	1.30E-06	1.32E-13	4.81E-03	1.52E-03	2.25E-05	4.19E-05	2.45E-04
RL	RLCFF-01	24.34	1.57E+02	--	--	6.00E-03	6.37E-03	1.72E+01	5.75E+02	1.27E+02	7.24E+00	7.63E-03	--	5.02E-03	6.34E-09	7.87E-06	1.49E-12	1.68E-06	1.13E-02	1.09E-04	4.77E-04	8.09E-04
RL	RLCFF-03	5.82	1.41E-01	--	--	2.00E-05	7.50E-06	7.69E-03	9.28E-01	2.05E-01	2.42E-03	1.26E-05	--	1.64E-05	1.15E-11	4.67E-09	3.24E-15	2.48E-09	5.99E-06	1.34E-07	8.97E-07	2.77E-13
RL	RLCFFD.001-S	261.33	5.02E+02	--	--	--	2.21E-02	3.49E+01	5.78E+02	2.90E+02	9.13E+00	4.46E-02	--	--	2.46E-08	1.92E-05	1.31E-06	6.20E-06	2.58E-02	2.03E-04	1.11E-03	2.91E-03
RL	RLESG-01	58.24	7.36E+00	--	--	3.68E-03	3.15E-04	6.86E-01	3.86E+01	8.60E+00	2.61E-01	5.38E-04	--	5.62E-03	3.42E-10	1.69E-05	1.09E-13	8.68E-08	1.45E-02	1.44E-03	3.36E-05	2.94E-05
RL	RLEXX-01	50.96	6.09E+02	--	--	6.71E-03	3.37E-02	4.23E+01	4.96E+03	1.10E+03	1.57E+01	6.72E-02	--	5.62E-03	5.53E-08	6.19E-04	1.85E-11	1.15E-05	4.70E-01	2.02E-02	4.96E-03	4.23E-01
RL	RLGEV-01	280.23	5.75E+00	--	--	2.40E-03	3.16E-04	4.02E-01	4.66E+01	1.03E+01	1.55E-01	6.30E-04	--	2.02E-03	5.11E-10	3.63E-05	1.72E-13	1.07E-07	2.71E-02	1.64E-03	4.62E-05	1.88E-02
RL	RLHMOX.001-S	193.65	9.01E+03	4.24E-04	--	3.37E-05	8.07E-01	6.21E+02	7.72E+03	3.88E+03	1.38E+02	1.96E+00	--	2.77E-05	1.85E-06	1.15E-03	4.84E-11	3.43E-04	1.15E+00	4.93E-02	1.50E-02	5.93E-01
RL	RLIAEA-01	0.42	1.41E-02	--	--	6.65E-06	7.58E-07	7.91E-04	9.18E-02	2.03E-02	3.05E-04	1.24E-06	--	5.47E-06	1.18E-12	4.90E-10	3.25E-16	2.52E-10	6.23E-07	1.33E-08	8.93E-08	2.76E-14
RL	RLM308D.001-S	62.23	1.86E+03	1.07E-03	--	2.15E-04	1.02E-01	2.05E+02	9.19E+02	5.83E+02	2.56E+01	5.75E-01	--	1.78E-04	1.49E-05	1.35E-04	8.88E-05	1.26E-03	1.70E-01	1.55E-03	2.24E-03	2.27E-02
RL	RLMHASH.001-S	61.78	7.06E+02	--	--	1.99E-07	3.27E-02	2.83E+01	2.42E+03	5.93E+02	7.77E+00	8.13E-02	--	8.63E-08	2.13E-05	1.30E-05	7.63E-12	1.74E-03	1.87E-02	3.16E-04	2.34E-03	1.62E-09
RL	RLMLB-01	0.42	2.96E-02	--	--	4.71E-02	1.64E-06	2.06E-03	2.41E-01	5.32E-02	7.62E-04	3.27E-06	--	3.96E-02	2.69E-12	1.38E-09	8.98E-16	5.61E-10	1.70E-06	3.60E-08	2.40E-07	7.44E-14
RL	RLMLL-01	0.42	6.82E-02	--	--	2.39E-06	4.03E-06	4.48E-03	5.63E-01	1.24E-01	1.15E-03	7.61E-06	--	1.99E-06	7.45E-12	5.97E-06	2.36E-15	1.46E-09	4.15E-03	7.49E-06	5.95E-07	4.62E-04
RL	RLMPDT.001-S	1239.55	2.80E+03	8.84E-04	--	1.17E-03	1.35E-01	2.91E+02	4.90E+03	1.58E+03	5.55E+01	3.33E-01	--	9.68E-04	3.89E-04	1.46E-04	5.10E-07	3.23E-02	2.03E-01	1.21E-03	6.09E-03	4.35E-03
RL	RLMPURX.001-S	106.38	5.31E+02	1.14E-04	--	4.57E-04	2.31E-02	5.48E+01	7.32E+02	2.94E+02	2.01E+01	7.80E-02	--	3.53E-04	1.02E-04	2.47E-05	3.67E-12	8.41E-03	3.58E-02	1.11E-04	1.14E-03	2.62E-04
RL	RLMSSC.001-S	64.69	8.44E+02	--	--	--	3.69E-02	7.83E+01	2.78E+03	6.11E+02	2.50E+01	7.24E-02	--	--	4.12E-08	3.54E-05	7.75E-12	1.03E-05	5.12E-02	3.66E-04	2.39E-03	3.93E-04
RL	RLNPDT.002-S	445.26	6.95E+02	3.44E-03	--	7.65E-05	3.27E-02	7.36E+01	2.00E+03	4.74E+02	1.63E+01	8.38E-02	--	4.82E-05	4.18E-08	3.89E-05	6.21E-08	9.80E-06	5.29E-02	4.19E-04	1.87E-03	4.35E-04
RL	RLNPURX.001-S	39.11	3.38E+02	4.09E-05	--	1.05E-04	1.41E-02	3.67E+01	4.10E+02	1.58E+02	1.47E+01	5.02E-02	--	6.15E-05	1.48E-08	1.65E-05	2.00E-12	3.82E-06	2.39E-02	5.31E-05	6.18E-04	9.92E-10
RL	RLPFP-01	7457.30	2.75E+03	--	--	2.36E+00	1.04E-01	4.19E+04	1.97E+04	4.38E+03	2.06E+02	3.09E-01	--	2.01E+00	5.68E-03	1.80E-02	7.23E-05	4.84E-01	2.67E+01	2.44E-02	1.65E-02	4.08E-01
RL	RLPFP-03	6.86	4.67E+01	--	--	8.22E-05	2.06E-03	2.23E+00	1.81E+02	4.17E+01	9.02E-01	4.22E-03	--	6.88E-05	2.32E-09	9.81E-07	5.17E-13	5.81E-07	1.44E-03	2.95E-05	1.61E-04	5.34E-08
RL	RLPFP-04	17.68	3.78E-02	--	--	--	1.55E-06	2.31E-03	2.35E-01	5.22E-02	1.73E-03	3.19E-06	--	--	1.56E-12	9.52E-10	6.22E-16	4.11E-10	1.43E-06	2.95E-08	1.98E-07	6.11E-14
RL	RLPFP-05	18.72	1.48E+02	--	--	1.91E-06	6.17E-03	1.28E+01	3.77E+01	1.86E+01	5.63E+00	1.21E-02	--	1.58E-06	6.38E-09	5.27E-06	2.22E-13	1.66E-06	7.93E-03	4.72E-06	7.07E-05	2.31E-10
RL	RLPRC-01	4.20		--	--	6.17E-03	--	--	--	--	--	--	--	5.05E-03	--	--	--	--	--	--	--	--
RL	RLPURX-01	476.91	1.68E+02	--	--	3.10E-03	6.65E-03	1.52E+01	4.62E+02	1.28E+02	9.59E+00	2.40E-02	--	2.59E-03	6.37E-09	6.15E-06	1.50E-12	1.72E-06	9.34E-03	5.75E-05	4.80E-04	4.55E-10
RL	RLPURX-05	780.11	2.35E+02	--	--	8.11E-01	1.28E-02	9.36E+00	8.75E+02	1.94E+02	5.13E+00	1.19E-02	--	6.82E-01	2.05E-08	6.02E-06	3.19E-12	4.33E-06	7.54E-03	1.29E-04	8.66E-04	1.12E-06
RL	RLRFETS.001-S	63.44	5.89E+02	--	--	1.04E-06	2.65E-02	2.94E+01	3.78E+03	6.21E+02	1.16E+01	6.50E-02	--	9.67E-08	9.24E-05	1.94E-05	7.99E-12	7.51E-03	2.44E-02	6.67E-04	2.45E-03	1.29E-09
RL	RLSWO-01	57.78	3.31E+01	--	--	3.76E-03	1.38E-03	3.89E+00	7.85E+01	2.10E+01	1.21E+00	4.14E-03	--	9.83E-04	1.41E-09	1.57E-06	2.46E-13	3.70E-07	2.38E-03	9.85E-06	7.90E-05	7.87E-11
RL	RLVIPAC.001-S	28.35	6.12E+01	--	--	1.95E-05	3.28E-03	1.04E+01	1.78E+02	5.24E+01	6.35E-01	1.58E-02	--	1.62E-05	4.87E-09	1.14E-04	6.24E-13	1.07E-06	1.02E-01	2.54E-03	1.99E-04	4.82E-02
RL	RLWAR-01	447.00	1.53E+01	--	--	4.38E-02	5.70E-04	1.25E+00	1.20E+02	2.66E+01	1.27E+00	1.63E-03	--	3.75E-02	4.92E-10	6.43E-05	6.12E-05	1.39E-07	5.71E-02	3.35E-03	1.00E-04	7.82E-03
SA	SA-T001	6.37	8.67E-01	--	3.74E-02	--	6.22E-05	8.29E-02	3.56E+00	2.08E-02	--	--	--	--	1.34E-10	4.38E-08	4.65E-03	2.50E-08	5.95E-05	4.88E-07	7.04E-08	--
SA	SA-W134	16.02	6.00E+00	1.21E-02	1.23E-05	3.34E+00	1.25E-01	4.96E-01	1.38E+00	4.32E-01	1.09E-02	1.39E-06	--	2.88E+00	2.71E-05	2.04E-04	5.91E-15	2.17E-03	1.67E-01	1.09E-02	1.76E-06	7.96E-03
SA	SA-W134M	2.08	7.80E-01	1.57E-03	1.60E-06	4.34E-01	1.62E-02	6.44E-02	1.79E-01	5.62E-02	1.41E-03	1.80E-07	--	3.74E-01	3.51E-06	2.65E-05	7.68E-16	2.82E-04	2.17E-02	1.41E-03	2.28E-07	1.03E-03
SA	SA-W136	34.45	1.09E+00	--	--	--	4.12E-05	4.27E-01	1.96E+01	4.45E+00	8.47E-02	5.24E-04	--	--	3.65E-11	1.76E-07	5.30E-14	1.02E-08	2.65E-04	2.46E-06	1.69E-05	1.00E-11
SR	SR2001.001.00-S	61.15	1.40E+00	--	--	2.72E-07	5.85E-05	3.97E-01	9.62E+00	1.89E+00	6.31E-02	1.93E-04	--	--	6.14E-11	1.82E-07	2.44E-14	1.58E-08	2.62E-04	1.25E-06	7.47E-06	3.85E-12
SR	SR2002.002.00-S	69.89	4.62E+00	--	--	9.32E-07	1.99E-04	1.72E-01	1.13E+01	2.59E+00	1.51E-01	3.57E-04	--	7.22E-08	1.08E-03	7.73E-08	3.28E-14	8.85E-02	1.12E-04	1.46E-06	1.01E-05	7.06E-12
SR	SR-BCLCH-MT01	11.34	3.32E+01	--	--	--	1.38E-03	1.38E+03	6.20E+01	1.61E+01	1.50E+00	2.65E-03	--	--	1.42E-09	6.07E-04	2.01E-13	3.70E-07	8.89E-01	7.97E-06	6.25E-05	5.21E-11
SR	SR-T001-221H-HEPA	62.37	2.84E-01	--	--	--	3.04E-04	1.17E+02	2.55E-01	1.48E-01	7.63E-03	1.56E-04	--	--	1.26E-09	7.28E-05	2.25E-15	1.87E-07	9.25E-02	3.61E-08	6.34E-07	3.37E-12
SR	SR-W026-221F-HEPA	378.00	2.57E+02	--	--	--	1.12E-02	9.68E+02	8.61E+02	1.99E+02	9.54E+00	7.35E-02	--	--	1.29E-08	5.54E-04	3.01E-12	3.17E-06	7.28E-01	1.22E-04	8.51E-04	1.99E-08
SR	SR-W026-221F-HET	1089.92	2.41E+02	7.44E-04	1.09E-03	--	1.24E-02	9.44E+01	6.30E+02	1.51E+02	1.03E+01	2.51E-01	--	--	1.11E-03	8.49E-05	3.52E-12	9.26E-02	9.82E-02	1.39E-03	8.41E-04	7.19E-03
SR	SR-W026-221F-HET-S	552.35	3.16E+02	5.22E-05	6.17E-04	1.31E-05	1.81E-02	1.11E+02	1.02E+03	2.81E+02	9.71E+00	3.55E-02	--	1.26E-05	3.00E-08	1.71E-04	3.49E-05	6.28E-06	1.76E-01	1.56E-03	1.08E-03	9.01E-03
SR	SR-W026-221F-HOM	16.66	7.88E-01	--	--	--	3.61E-05	4.02E-01	4.33E+00	8.21E-01	2.30E-02	9.91E-05	--	--	4.48E-11	2.38E-07	1.24E-14	1.06E-08	3.08E-04	6.19E-07	3.51E-06	2.11E-09
SR	SR-W026-772F-HET	834.88	3.47E+02	--	1.08E-03	3.26E-01	6.08E-01	1.15E+04	4.74E+02	1.15E+02	1.18E+01	9.18E-02	--	2.98E-01	6.63E-05	8.99E-03	3.44E-11	5.68E-03	1.08E+01	2.73E-03	5.62E-03	9.18E-03
SR	SR-W026-772F-HET-S	1306.27	1.10E+02	6.42E-04	7.25E-04	1.99E-03	7.45E-02	1.00E+03	2.62E+02	7.38E+01	2.76E+00	1.23E-02	--	1.47E-03	8.14E-04	9.56E-04	3.95E-04	6.77E-02	1.09E+00	1.04E-03	2.84E-04	7.82E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W027-221F-HET	1490.34	3.76E+03	--	--	--	1.58E-01	1.49E+03	7.13E+03	1.62E+03	1.54E+02	9.24E-01	--	--	1.66E-07	6.57E-04	2.02E-11	4.28E-05	9.62E-01	9.16E-04	6.28E-03	1.48E-05
SR	SR-W027-221F-HETA-S	2080.85	7.31E+02	4.39E-06	--	2.53E-02	3.92E-02	7.32E+01	1.69E+03	5.49E+02	2.35E+01	9.28E-02	--	6.29E-06	2.10E-04	3.22E-04	9.95E-05	1.73E-02	2.95E-01	3.35E-04	2.13E-03	2.17E-03
SR	SR-W027-221H-HEPA	137.97	1.73E+01	--	--	--	5.22E-02	5.54E+03	1.61E+01	6.97E+00	8.19E-01	7.03E-03	--	--	1.70E-07	2.29E-03	6.46E-12	2.87E-05	3.44E+00	8.37E-05	1.04E-03	3.25E-06
SR	SR-W027-221H-HET-A	5568.93	5.16E+02	6.05E-04	--	2.43E+00	1.62E+01	2.01E+05	1.33E+03	5.11E+02	3.02E+01	3.01E-01	--	2.22E+00	1.89E-04	8.93E-02	7.16E-10	2.02E-02	1.30E+02	4.92E-02	1.13E-01	1.17E-02
SR	SR-W027-221H-HET-S	2521.93	2.04E+02	2.02E-02	--	5.67E-04	2.16E-01	1.39E+04	1.30E+02	5.06E+01	1.13E+01	2.45E-02	--	5.18E-04	1.09E-03	1.39E-02	2.73E-03	9.05E-02	1.56E+01	1.57E-03	1.95E-04	2.49E-03
SR	SR-W027-235F-HET	733.92	8.70E+02	--	--	--	5.17E+00	8.54E+04	2.56E+02	1.23E+02	6.50E+01	2.93E-01	--	--	1.74E-05	3.62E-02	9.89E-11	2.90E-03	5.39E+01	1.35E-03	1.59E-02	1.39E-03
SR	SR-W027-235F-HET-S	301.51	2.23E+01	1.10E-05	--	8.55E-06	3.68E-02	7.89E+02	9.62E+00	6.45E+00	8.65E-01	3.36E-03	--	7.82E-06	1.21E-07	8.09E-04	2.51E-04	2.02E-05	9.10E-01	7.53E-04	2.46E-05	9.01E-05
SR	SR-W027-235F-HOMO	5.83	1.23E+00	--	--	--	5.70E-05	4.35E+02	9.34E-01	5.02E-01	2.94E-02	6.02E-04	--	--	7.20E-11	2.44E-04	7.49E-15	1.70E-08	3.23E-01	1.31E-07	2.13E-06	1.29E-11
SR	SR-W027-773A-HET	2495.78	8.40E+01	3.45E+01	2.61E+01	4.28E+01	3.18E-03	6.99E+03	3.23E+02	9.56E+01	6.66E+00	1.02E+00	5.72E-10	3.91E+01	5.66E-04	3.00E-03	8.24E-04	4.74E-02	4.44E+00	1.44E-03	8.59E-03	2.99E-03
SR	SR-W027-773A-HET-S	358.24	4.01E+01	2.46E-01	1.02E-01	1.17E-03	3.59E-02	6.76E+02	9.00E+01	2.18E+01	9.82E-01	2.37E-03	--	1.07E-03	1.16E-07	6.63E-04	1.31E-04	1.95E-05	7.53E-01	1.81E-04	8.33E-05	1.50E-03
SR	SR-W027-999-AGNS-HET	56.84	3.67E+00	--	--	--	5.51E-03	1.24E+00	6.49E+00	1.93E+00	6.37E-02	2.39E-04	--	--	2.56E-08	1.44E-06	6.20E-13	3.60E-06	1.47E-03	1.79E-05	8.65E-05	2.47E-07
SR	SR-W027-999-AGNS-HOM	5.83	1.31E+01	--	--	--	3.74E-03	1.07E+00	6.05E+00	1.41E+00	4.09E-02	2.46E-04	--	--	1.55E-08	1.28E-06	2.44E-14	2.25E-06	1.29E-03	2.03E-05	6.43E-06	4.14E-04
SR	SR-W027-999-LASL-HET	44.30	1.62E+02	--	--	--	9.63E-03	2.11E+04	5.29E+01	3.31E+01	1.47E+00	3.85E-02	--	--	1.80E-08	1.70E-02	6.35E-13	3.52E-06	1.95E+01	8.42E-06	1.59E-04	9.36E-10
SR	SR-W027-999-LASL-HOM	5.82	1.63E+01	--	--	--	9.70E-04	4.73E+03	1.16E+01	6.30E+00	1.48E-01	7.57E-03	--	--	1.82E-09	3.81E-03	1.21E-13	3.55E-07	4.37E+00	1.85E-06	3.03E-05	1.84E-10
SR	SR-W027-999-MD-HET	1675.12	3.71E+02	--	1.18E-05	--	2.30E-02	1.47E+05	3.90E+02	2.06E+02	5.20E+00	2.38E-01	2.09E-14	--	5.91E-04	1.18E-01	3.96E-12	3.95E-02	1.36E+02	2.69E-04	9.93E-04	4.59E-03
SR	SR-W027-999-MD-HOM-A	2.29	2.84E-02	--	--	--	2.90E-05	1.11E+01	2.10E-02	1.66E-03	4.87E-05	2.24E-07	--	--	1.37E-10	8.90E-06	2.95E-17	1.91E-08	1.02E-02	3.28E-07	7.68E-09	2.92E-15
SR	SR-W027-999-MD-HOM-B	22.64	2.81E-01	--	--	--	2.87E-04	1.10E+02	2.07E-01	1.64E-02	4.82E-04	2.21E-06	--	--	1.35E-09	8.80E-05	2.92E-16	1.89E-07	1.01E-01	3.24E-06	7.60E-08	2.89E-14
SR	SR-W027-999-MD-HOM-C	1.04	1.29E-02	--	--	--	1.32E-05	5.05E+00	9.52E-03	7.53E-04	2.21E-05	1.02E-07	--	--	6.20E-11	4.04E-06	1.34E-17	8.66E-09	4.65E-03	1.49E-07	3.49E-09	1.33E-15
SR	SR-W027-999-MD-SOIL	90.53	3.35E-02	--	--	--	1.25E-04	5.82E+00	5.36E-01	--	--	4.17E-08	--	--	6.06E-10	4.20E-06	--	8.40E-08	5.02E-03	8.21E-08	--	5.45E-16
SR	SR-W027-FB-PRE86-C-S	2385.10	6.08E+02	1.12E-04	7.75E-04	9.16E-06	3.38E-02	5.87E+01	3.31E+03	4.41E+02	1.54E+01	2.20E-01	--	6.79E-06	4.30E-05	1.57E-04	6.22E-05	3.56E-03	1.50E-01	5.31E-04	1.71E-03	2.77E-04
SR	SR-W027-HBL-Box-A	339.60	3.66E+00	--	--	--	1.02E-01	1.31E+03	2.83E+00	1.52E+00	8.59E-02	1.82E-03	--	--	4.22E-07	7.48E-04	2.30E-14	6.32E-05	9.83E-01	3.99E-07	6.50E-06	3.93E-11
SR	SR-W027-SRSG-HET	1889.08	8.07E+02	3.01E-02	9.37E-03	--	1.13E+00	1.05E+03	1.73E+03	3.85E+02	1.02E+01	4.69E+00	--	--	6.62E-02	1.55E-02	2.48E-10	4.55E+00	1.14E+01	8.67E-03	3.31E-02	4.97E-01
SR	SR-W027-SRSG-HOM	22.28	1.03E+01	1.23E-03	3.16E-04	--	2.34E-02	5.49E+02	1.02E+02	1.37E+01	1.48E-01	1.05E-02	--	--	1.14E-07	4.19E-04	1.68E-12	1.57E-05	4.91E-01	4.01E-05	2.49E-04	5.35E-04
Grand Total		**168485.00**	**4.32E+05**	**9.16E+01**	**5.91E+01**	**4.33E+02**	**5.36E+01**	**7.77E+05**	**5.36E+05**	**1.30E+05**	**4.22E+03**	**5.69E+01**	**3.19E-04**	**1.15E+02**	**1.05E+01**	**7.28E-01**	**1.45E+00**	**7.78E+02**	**7.13E+02**	**8.71E+00**	**2.35E+00**	**5.80E+01**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	220.78	1.66E+01	5.78E-05	2.29E-03	4.08E+00	3.88E-03	6.03E+00	3.23E+01	6.99E+00	1.01E-01	--	--	2.10E+00	5.02E-06	4.59E-06	1.29E-13	3.42E-04	5.37E-03	2.92E-04	3.30E-05	1.13E-04
AW (MFC)	AW-T031.1322	94.27	3.64E+00	1.06E-03	7.68E-05	1.58E+03	3.63E-03	8.95E-01	8.14E-03	3.87E+01	1.66E-01	1.09E-03	--	1.92E+03	2.34E-08	1.55E-05	2.49E-12	2.94E-06	1.35E-02	8.17E-03	4.63E-04	3.45E-05
AW (MFC)	AW-W020.13	65.09	8.80E+01	--	--	5.15E+01	4.25E-03	--	3.64E+01	1.13E+01	3.77E+00	--	--	9.09E+00	9.51E-03	1.72E-05	1.64E-13	7.29E-01	1.37E-02	9.25E-03	4.72E-05	1.49E-03
AW (MFC)	AW-W026	0.89	1.28E-01	--	--	8.09E-03	6.51E-06	--	2.80E-02	--	--	--	--	2.62E-02	9.15E-12	9.82E-14	--	2.06E-09	1.56E-10	2.90E-06	--	3.93E-07
AW (MFC)	AW-W028	36.80	--	--	--	5.85E-01	--	--	1.28E+00	6.67E-02	--	--	--	1.48E+00	--	8.91E-12	9.67E-16	--	1.42E-08	6.64E-05	2.79E-07	3.57E-05
AW (MFC)	AW-W046	24.23	--	--	--	1.11E+03	--	--	2.90E+00	--	--	--	--	1.10E+03	--	--	--	--	--	6.93E-03	--	--
AW (MFC)	AW-W047	12.56	--	--	--	9.78E+01	--	--	1.02E-02	--	--	--	--	9.71E+01	--	--	--	--	--	1.31E-09	--	--
BT	BT-T001	2.67	3.32E+00	1.93E-02	3.30E-03	4.88E+02	2.71E-02	7.93E+01	3.75E-01	4.17E-01	6.19E-02	2.99E-03	--	4.41E+02	1.20E-01	2.31E-03	2.27E-03	8.22E+00	1.20E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	1.11E+00	6.42E-03	1.10E-03	1.63E+02	9.04E-03	2.64E+01	1.25E-01	1.39E-01	2.06E-02	9.97E-04	--	1.47E+02	4.01E-02	7.69E-04	7.56E-04	2.74E+00	4.00E-01	2.22E-03	2.52E-02	1.54E-05
IN	IN-AE-AGHC-01	183.34	8.73E+01	--	--	8.22E+01	3.73E-03	1.43E+01	1.42E+02	7.38E+01	2.48E+00	2.35E-02	--	5.56E+01	3.01E-03	5.31E-04	8.79E-13	2.54E-01	4.68E-01	1.63E-02	2.80E-04	2.72E-03
IN	IN-AW-161	1.78	--	--	--	5.25E-02	--	--	4.91E+00	1.04E-01	--	--	--	3.51E-02	--	--	1.61E-15	--	--	3.59E-06	4.49E-07	--
IN	IN-INTEC-SFS-01	0.89	1.65E+00	--	--	1.67E-01	9.40E-05	6.20E-01	2.41E-01	2.76E-01	3.52E-02	1.01E-03	--	1.11E-01	1.63E-10	4.47E-07	4.90E-15	3.31E-08	5.35E-04	8.63E-06	1.28E-06	2.35E-11
IN	IN-NRF-153	8.01	1.21E-02	--	--	--	6.83E-07	8.52E-02	3.23E-03	3.45E-03	2.70E-04	1.16E-05	--	--	1.17E-12	6.03E-08	6.06E-17	2.38E-10	7.26E-05	4.74E-05	1.59E-08	2.70E-13
IN	IN-TRA-150	3.56	3.08E+01	--	--	--	1.61E-03	1.45E+01	--	--	--	--	--	--	2.36E-09	8.30E-06	--	5.19E-07	1.09E-02	--	--	--
IN	IN-TRA-157	4.45	1.27E-01	--	9.67E-05	1.13E-02	6.43E-06	5.30E-02	4.16E-03	5.37E-05	--	--	--	9.44E-02	2.69E-05	8.12E-07	5.34E-19	2.08E-03	6.65E-04	5.72E-10	1.82E-10	--
IN	IN-W208.243	0.89	1.63E+01	--	--	--	8.64E-04	4.78E-01	4.24E+01	9.47E+00	2.39E-01	6.94E-04	--	--	1.31E-09	2.85E-07	1.47E-13	2.83E-07	3.68E-04	4.04E-05	4.10E-05	1.52E-11
IN	IN-W216.876	15.13	6.28E+02	--	--	--	3.32E-02	3.92E-01	3.47E+01	7.79E+00	1.96E-01	5.69E-04	--	--	5.02E-08	2.33E-07	1.21E-13	1.09E-05	3.02E-04	4.97E-06	3.38E-05	1.24E-11
IN	IN-W216.877	43.61	9.03E+02	--	--	--	4.78E-02	5.65E-01	5.00E+01	1.12E+01	2.82E-01	8.20E-04	--	--	7.22E-08	3.36E-07	1.74E-13	1.57E-05	4.35E-04	7.16E-06	4.85E-05	1.79E-11
IN	IN-W228.884	8.90	5.49E+00	--	--	--	2.90E-04	1.83E-02	1.62E+00	3.64E-01	9.11E-03	2.65E-05	--	--	4.38E-10	1.09E-08	5.66E-15	9.52E-08	1.41E-05	2.32E-07	1.58E-06	5.80E-13
IN	IN-W228.885	0.89	9.12E-02	--	--	--	4.83E-06	3.06E-04	2.70E-02	6.07E-03	1.52E-04	4.42E-07	--	--	7.29E-12	1.82E-10	9.43E-17	1.58E-09	2.35E-07	3.87E-09	2.63E-08	9.68E-15
IN	IN-W228.886	21.36	6.59E+00	--	--	--	3.48E-04	2.19E-02	1.95E+00	4.35E-01	1.10E-02	3.18E-05	--	--	5.26E-10	1.31E-08	6.77E-15	1.14E-07	1.69E-05	2.79E-07	1.89E-06	6.96E-13
IN	IN-W243.276	3.56	1.68E+00	--	--	--	8.91E-05	8.54E-02	7.59E+00	1.70E+00	4.27E-02	1.24E-04	--	--	1.35E-10	5.09E-08	2.64E-14	2.92E-08	6.57E-05	3.28E-06	7.37E-06	1.52E-07
IN	IN-W243.277	1.78	3.37E+00	--	--	--	1.78E-04	1.71E-01	1.51E+01	3.40E+00	8.54E-02	2.47E-04	--	--	2.69E-10	1.02E-07	5.29E-14	5.84E-08	1.32E-04	6.56E-06	1.47E-05	3.03E-07
IN	IN-W252.282	17.80	2.49E+01	--	--	--	1.32E-03	1.45E+00	1.29E+02	2.87E+01	7.24E-01	2.10E-03	--	--	1.99E-09	8.63E-07	4.47E-13	4.32E-07	1.12E-03	1.84E-05	1.25E-04	4.59E-11
IN	IN-W254.1045	1.78	1.27E+00	--	--	--	6.74E-05	8.66E-02	7.67E+00	1.72E+00	4.34E-02	1.26E-04	--	--	1.02E-10	5.16E-08	2.68E-14	2.21E-08	6.67E-05	1.10E-06	7.46E-06	2.75E-12
IN	IN-W294.343	8.90	5.15E+00	--	--	--	2.72E-04	3.14E-01	2.79E+01	6.26E+00	1.57E-01	4.57E-04	--	--	4.12E-10	1.87E-07	9.73E-14	8.94E-08	2.42E-04	2.20E-05	2.71E-05	1.00E-11
IN	IN-W296.330	12.46	1.75E+00	--	--	--	1.31E-04	1.02E-01	9.04E+00	2.02E+00	5.10E-02	1.48E-04	--	--	3.03E-10	6.06E-08	3.15E-14	5.45E-08	7.84E-05	2.69E-06	8.77E-06	3.24E-12
IN	IN-W296.331	12.46	5.85E+00	--	--	--	4.36E-04	3.40E-01	3.02E+01	6.76E+00	1.70E-01	4.95E-04	--	--	1.01E-09	2.03E-07	1.05E-13	1.82E-07	2.62E-04	8.96E-06	2.93E-05	1.08E-11
IN	IN-W298.318	8.01	2.36E+01	--	--	--	1.25E-03	1.08E+00	9.57E+01	2.15E+01	5.42E-01	1.58E-03	--	--	1.88E-09	6.45E-07	3.35E-13	4.09E-07	8.34E-04	1.37E-05	9.33E-05	3.45E-11
IN	IN-W358.949	10.68	--	--	--	--	--	1.67E+03	2.26E+01	4.28E+01	--	--	--	--	--	8.67E-04	6.03E-13	--	1.19E+00	3.08E-06	1.77E-04	--
IN	IN-W372.918	4.45	1.26E-01	--	--	1.01E-02	6.32E-06	4.67E-02	3.64E-03	--	--	--	--	--	8.62E-12	2.42E-08	--	1.97E-09	3.31E-05	4.96E-10	--	--
KA	KA-T001	502.99	1.71E-01	2.77E-04	5.34E-05	1.98E+01	4.53E-03	5.35E+00	4.01E-02	9.94E-03	2.61E-03	3.84E-05	9.10E-12	1.73E+01	4.61E-08	3.99E-05	2.43E-10	4.65E-06	2.91E-02	3.83E-04	3.63E-03	1.68E-06
KA	KA-W016	52.53	1.79E-02	2.89E-05	5.58E-06	2.07E+00	4.73E-04	5.59E-01	4.18E-03	1.04E-03	2.72E-04	4.01E-06	9.51E-13	1.80E+00	4.81E-09	4.17E-06	2.54E-11	4.86E-07	3.04E-03	4.00E-05	3.79E-04	1.75E-07
LA	LA-TA-00-03	1.78	--	--	--	--	--	--	1.23E+01	--	--	--	--	--	--	--	--	--	--	1.98E-06	--	--
LA	LA-TA-03-27	96.12	2.48E+00	--	--	8.48E+01	1.40E-04	4.69E-01	2.32E+02	2.49E+00	5.55E-02	1.52E-03	--	6.96E+01	2.40E-10	2.74E-06	1.05E-13	4.90E-08	2.14E-03	9.33E-03	1.96E-05	4.09E-05
OR	OR-W211	294.45	3.12E+01	1.11E-01	8.58E-01	3.03E+00	1.70E-03	3.67E-01	4.40E+00	3.32E+00	1.11E-02	8.32E-03	3.91E-09	1.32E+00	2.17E-02	5.95E-07	1.51E-05	1.57E+00	5.66E-04	1.66E-04	2.46E-05	1.04E-04
OR	OR-W212	146.78	3.59E+01	--	1.06E+00	1.15E+02	1.95E-03	1.95E+01	5.73E-01	8.30E-01	1.47E-02	--	2.19E-10	6.65E+01	4.37E-06	1.23E-05	1.06E-03	3.17E-04	1.55E-02	4.93E-04	3.03E-06	--
OR	OR-W213	1020.04	3.08E+01	1.07E-02	8.18E-04	1.95E+01	3.75E-02	2.41E+00	1.71E+01	2.11E-02	1.81E-01	9.49E-03	--	1.50E-01	2.56E+01	4.46E-02	4.09E-01	3.31E+01	1.88E+00	2.80E-02	2.98E-02	3.56E-01
OR	OR-W214	2.67	2.53E-03	--	1.45E-06	3.51E-02	1.19E-04	1.82E-04	5.55E-03	1.14E-06	--	--	--	5.29E-04	1.16E-06	1.47E-10	1.31E-20	8.40E-05	1.91E-07	9.20E-10	4.16E-12	1.05E-04
OR	OR-W215	1824.83	2.20E+03	--	6.39E+01	7.17E+03	2.52E-01	9.24E+02	1.78E+03	2.13E+02	5.16E+00	7.92E-01	7.32E-11	1.77E+04	1.18E+01	7.29E-02	7.06E+00	8.53E+02	5.51E+01	2.72E+00	9.69E-02	1.08E+02
RL	RL105-07	72.98	2.14E+01	1.77E-04	3.74E-02	4.06E+00	4.74E-03	9.17E-01	1.15E+01	6.32E+00	6.90E-01	2.64E-03	--	1.41E+00	1.62E-08	3.01E-05	2.38E-04	2.59E-06	2.64E-02	9.77E-04	3.69E-03	2.11E-02
RL	RL105-09	518.87	5.19E+03	--	--	2.73E+01	2.13E-01	1.69E+02	3.67E+00	6.48E+00	2.59E+02	--	--	2.55E+01	2.19E-07	7.74E-05	8.35E-14	5.70E-05	1.11E-01	4.79E-07	2.55E-05	--
RL	RL324-07	67.64	1.06E+02	--	--	2.59E+03	4.91E-03	2.10E+00	7.96E+00	2.20E+00	1.06E+00	7.04E-02	--	1.22E+03	5.93E-09	9.60E-07	2.83E-14	1.44E-06	1.38E-03	1.04E-06	8.66E-06	1.40E-09
RL	RL324-08	67.64	4.13E+02	--	--	6.20E+03	1.96E-02	1.05E+01	5.67E+00	5.50E+00	4.73E-01	8.96E-03	--	3.85E+03	2.44E-08	4.81E-06	7.09E-14	5.83E-06	6.92E-03	7.39E-07	2.17E-05	1.79E-10
RL	RL325-07	143.29	1.30E+04	--	--	2.15E+01	7.26E-01	2.93E+02	5.41E+01	6.91E+01	2.03E+02	3.50E-02	--	1.18E+01	1.21E-06	1.99E-04	1.18E-12	2.50E-04	2.44E-01	9.56E-04	3.14E-04	8.02E-10
RL	RL325-08	13.35	2.20E+01	--	--	1.78E+01	8.76E-04	1.84E+00	3.19E+01	1.58E+01	1.32E+00	--	--	1.58E+01	8.50E-10	8.45E-07	2.03E-13	2.27E-07	1.22E-03	4.17E-06	6.21E-05	--
RL	RL327-07	16.91	2.94E+02	--	--	1.08E+03	1.63E-02	3.25E+01	1.60E+02	1.08E+02	5.87E+00	9.63E-02	--	3.68E+02	2.67E-08	2.84E-05	4.05E-12	5.57E-06	3.17E-02	3.89E-03	7.85E-04	9.58E-03
RL	RLBAT-08	22.25	1.23E-06	--	--	--	5.29E-11	7.26E-08	7.75E-06	1.72E-06	4.27E-08	1.05E-10	--	--	5.76E-17	3.26E-14	2.18E-20	1.46E-14	4.73E-11	1.00E-12	6.72E-12	2.08E-18
RL	RLPURX-07	113.03	9.68E-01	--	--	4.41E-01	5.52E-05	6.84E-02	1.52E+00	7.48E-01	2.07E-02	2.24E-05	--	3.67E-01	9.56E-11	4.93E-08	1.33E-14	1.94E-08	5.90E-05	2.33E-07	3.47E-06	5.23E-13
RL	RLSWO-08	121.04	1.72E+01	--	--	--	7.46E-04	1.01E+00	1.09E+02	2.41E+01	5.68E-01	1.47E-03	--	--	8.26E-10	4.62E-07	3.10E-13	2.08E-07	6.65E-04	1.42E-05	9.49E-05	2.93E-11
RL	RLWTP-08	846.25	5.73E+03	8.04E-01	--	1.59E+05	4.75E+00	1.06E+02	4.61E+03	7.80E+02	1.77E+01	5.40E-02	--	1.03E+05	3.97E-01	2.51E-02	2.21E-09	3.35E+01	2.20E+01	9.40E-01	3.54E-01	2.09E+01
SA	SA-W135	19.58	7.40E+01	--	1.18E-02	1.01E+02	7.36E-03	6.42E+00	1.21E+01	1.80E+00	1.94E-04	--	--	9.23E+01	1.88E-08	4.15E-05	2.46E-14	3.32E-06	3.58E-02	2.35E-03	7.31E-06	7.84E-04
SR	SR-BCLRH-MT01	0.89	3.23E+00	1.89E-02	1.42E-02	2.53E+00	3.72E-04	8.82E-01	3.15E-01	5.13E-01	7.99E-02	1.54E-03	--	1.52E+00	1.28E-09	1.42E-06	1.10E-12	1.98E-07	1.45E-03	1.29E-05	1.72E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	2.24E-02	1.31E-04	9.83E-05	1.75E-02	2.58E-06	6.13E-03	2.18E-03	3.56E-03	5.53E-04	1.07E-05	--	1.05E-02	8.87E-12	9.84E-09	7.64E-15	1.37E-09	1.01E-05	8.93E-08	1.20E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	7.70E-01	--	3.42E-03	4.13E-02	3.61E-05	3.97E-01	1.17E-01	1.89E-01	--	--	--	1.52E+00	2.39E-10	7.82E-07	6.61E-13	2.66E-08	7.75E-04	7.81E-06	1.03E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	2.25E+00	1.32E-02	9.89E-03	1.76E+00	2.60E-04	6.13E-01	2.20E-01	3.58E-01	5.57E-02	1.08E-03	--	1.06E+00	8.94E-10	9.85E-07	7.69E-13	1.38E-07	1.01E-03	8.96E-06	1.21E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	6.74E+01	3.93E-01	2.95E-01	5.26E+01	7.76E-03	1.84E+01	6.56E+00	1.07E+01	1.66E+00	3.22E-02	--	3.16E+01	2.67E-08	2.94E-05	2.29E-11	4.12E-06	3.01E-02	2.69E-04	3.59E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	4.61E+00	2.68E-02	2.02E-02	3.59E+00	5.30E-04	1.26E+00	4.48E-01	7.30E-01	1.14E-01	2.20E-03	--	2.15E+00	1.82E-09	2.02E-06	1.57E-12	2.81E-07	2.06E-03	1.84E-05	2.46E-04	3.56E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-BCLRH-T006	0.89	1.08E+00	6.30E-03	4.74E-03	8.44E-01	1.24E-04	2.95E-01	1.06E-01	1.72E-01	2.67E-02	5.16E-04	--	5.08E-01	4.29E-10	4.73E-07	3.68E-13	6.60E-08	4.83E-04	4.32E-06	5.76E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	8.93E-03	5.20E-05	3.92E-05	6.98E-03	1.03E-06	2.43E-03	8.68E-04	1.42E-03	2.21E-04	4.24E-06	--	4.19E-03	3.53E-12	3.91E-09	3.03E-15	5.45E-10	3.99E-06	3.57E-08	4.75E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	1.07E-01	6.21E-04	4.68E-04	8.34E-02	1.22E-05	2.91E-02	1.04E-02	1.70E-02	2.64E-03	5.07E-05	--	5.00E-02	4.22E-11	4.67E-08	3.63E-14	6.50E-09	4.77E-05	4.26E-07	5.68E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	7.16E-01	4.19E-03	3.15E-03	5.62E-01	8.25E-05	1.96E-01	6.99E-02	1.14E-01	1.76E-02	3.42E-04	--	3.36E-01	2.85E-10	3.15E-07	2.45E-13	4.38E-08	3.22E-04	2.86E-06	3.84E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	4.06E+00	6.88E-02	2.53E-02	3.55E+01	4.66E-03	2.17E-02	1.57E-03	2.53E-02	1.10E-03	1.10E-05	--	1.75E+01	2.08E-08	1.04E-08	7.02E-15	3.02E-06	1.28E-05	4.87E-08	1.14E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	3.87E-02	--	1.32E-04	2.84E-02	1.81E-06	1.01E-02	1.06E-02	5.19E-05	--	--	--	1.40E-02	2.19E-12	2.81E-08	4.42E-19	5.31E-10	2.67E-05	1.36E-09	1.62E-10	--
SR	SR-T003-773A-HET	140.96	--	2.55E-01	--	1.55E+01	--	7.47E+00	1.05E-03	--	--	--	--	1.41E+01	--	4.63E-06	--	--	5.89E-03	7.44E-11	--	--
SR	SR-W027-SRSG-HET-RH	102.78	9.15E+00	4.51E+00	1.16E+00	--	3.37E-02	5.54E+00	2.16E+01	7.79E+00	1.73E-01	2.35E-03	3.87E-12	--	1.65E-07	4.04E-06	1.34E-13	2.27E-05	4.81E-03	3.32E-06	3.54E-05	5.49E-11
Grand Total		**7079.00**	**2.92E+04**	**6.25E+00**	**6.74E+01**	**1.80E+05**	**6.23E+00**	**3.43E+03**	**7.77E+03**	**1.54E+03**	**5.06E+02**	**1.16E+00**	**4.22E-09**	**1.30E+05**	**3.80E+01**	**1.48E-01**	**7.48E+00**	**9.34E+02**	**8.29E+01**	**3.76E+00**	**5.97E-01**	**1.30E+02**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	104.68	3.14E+01	1.82E+00	6.54E-08	2.99E-04	1.28E-01	3.28E+00	8.46E+01	6.21E+01	3.61E-03	2.62E-02	8.26E-15	2.40E-04	9.70E-03	3.22E-04	6.75E-12	4.21E-02	1.01E-01	1.53E-03	7.14E-04	4.41E-02
AE	AECHHM-S	14.15	8.02E+00	4.96E-03	--	2.35E-07	3.05E-03	2.28E-01	4.08E+01	1.58E+01	5.60E-09	2.02E-03	--	1.88E-07	3.10E-04	2.20E-05	1.72E-12	4.04E-06	6.89E-03	1.21E-04	1.82E-04	2.69E-03
AE	AE-T001	513.85	1.11E+02	--	--	1.79E-03	2.22E+00	1.96E+00	4.63E+02	2.66E+02	5.80E-06	2.24E-01	--	9.71E-04	1.13E-02	1.39E-04	2.04E-04	3.12E-01	4.34E-02	9.43E-03	3.26E-03	1.63E-01
AE	AE-T003	109.74	1.32E+01	--	--	4.65E-06	7.05E-02	2.47E-01	1.35E+02	5.05E+01	3.00E-06	1.47E-03	--	9.06E-06	1.63E-03	5.05E-06	5.93E-12	4.49E-02	1.95E-03	4.06E-04	6.04E-04	7.84E-03
AE	MU-W002-S	4.79	3.83E+00	1.10E-03	--	2.82E-10	4.50E-03	--	2.24E-02	--	--	--	--	2.26E-10	1.06E-03	3.18E-11	--	6.96E-06	1.86E-08	8.46E-09	--	1.73E-05
AW (MFC)	AW-N026.82	3.78	--	--	--	6.87E-04	--	--	3.48E-02	--	--	--	--	2.62E-03	--	--	--	--	--	1.34E-08	--	--
AW (MFC)	AW-N027.531	26.60	5.02E-02	--	--	--	8.73E-06	5.42E+00	8.58E+01	5.03E-01	3.95E-09	6.59E-06	--	--	2.87E-07	1.01E-04	5.67E-14	8.05E-06	4.00E-02	8.83E-05	5.89E-06	2.06E-07
AW (MFC)	AW-T033.1325	157.54	2.98E-01	--	--	--	5.15E-05	3.26E+01	5.08E+02	2.98E+00	2.58E-08	3.90E-05	--	--	1.69E-06	5.94E-04	3.32E-13	4.77E-05	2.37E-01	5.22E-04	3.47E-05	1.22E-06
AW (MFC)	AW-W049	51.54	--	--	--	--	--	--	2.19E+00	--	--	--	--	--	--	--	--	--	--	8.15E-07	--	--
BT	BT-T002	18.90	7.67E-03	3.88E-05	1.19E-09	3.26E-03	5.86E-05	4.66E-02	7.30E-04	1.45E-03	2.69E-07	1.17E-05	6.73E-13	2.50E-03	1.69E-09	7.71E-06	5.75E-12	9.62E-08	2.34E-03	2.65E-05	3.02E-04	1.22E-07
IN	BN004-S	283.53	1.74E+02	--	9.07E-07	4.06E-07	1.98E-01	2.22E+00	1.05E+03	2.31E+02	2.69E-05	2.05E-02	--	5.27E-07	8.49E-03	7.10E-05	2.50E-11	2.43E-01	2.51E-02	2.72E-03	2.65E-03	1.52E-03
IN	BN161-S	61.88	3.36E+01	--	--	--	6.23E-03	5.02E-01	2.31E+02	5.13E+01	5.07E-06	4.30E-03	--	--	7.95E-08	8.34E-06	5.52E-12	6.07E-06	3.41E-03	8.94E-05	5.87E-04	2.46E-10
IN	BN211-S	545.88	3.22E+02	2.68E-07	--	2.30E-10	7.94E-02	4.50E+00	2.04E+03	4.57E+02	4.35E-05	3.97E-02	--	3.00E-10	1.06E-03	8.38E-05	4.91E-11	3.05E-02	3.32E-02	1.39E-03	5.23E-03	4.60E-06
IN	BN243-S	152.72	2.43E+01	--	7.07E-07	2.34E-11	6.58E-03	2.71E-01	1.09E+02	2.36E+01	2.46E-06	2.48E-03	--	3.04E-11	1.17E-07	7.54E-06	2.54E-12	7.81E-06	2.74E-03	2.82E-04	2.70E-04	1.41E-10
IN	BN252-S	168.27	1.22E+02	--	--	7.36E-11	8.16E-02	1.82E+00	9.82E+02	2.05E+02	2.72E-05	2.28E-02	--	8.99E-11	1.99E-06	3.13E-05	2.20E-11	1.19E-04	1.27E-02	5.58E-04	2.34E-03	1.30E-09
IN	BN296-S	492.08	4.18E+02	--	6.71E-07	1.52E-09	1.09E-01	4.21E+00	1.70E+03	3.67E+02	3.57E-05	3.88E-02	--	2.11E-09	1.98E-04	7.26E-05	3.94E-11	5.76E-03	2.94E-02	1.00E+00	4.20E-03	6.48E-04
IN	BN304-S	322.14	3.41E+01	--	--	6.98E-08	8.12E-03	7.88E+02	3.01E+01	2.20E+01	3.43E-06	1.94E-02	--	1.09E-07	1.32E-07	1.30E-02	2.37E-12	9.12E-06	5.32E+00	5.44E-05	2.52E-04	2.38E-02
IN	BN510-S	2311.90	4.60E+02	--	--	5.55E-08	1.22E-01	9.85E+00	2.73E+03	5.73E+02	6.79E-05	5.06E-02	--	7.06E-08	4.23E-04	3.61E-03	6.13E-11	1.22E-02	1.08E+00	1.01E+00	6.53E-03	2.23E-02
IN	BN835-S	958.88	1.87E+01	--	--	1.33E-08	7.95E-03	7.25E+01	2.87E+00	1.77E+00	4.43E-07	1.81E-03	--	1.79E-08	1.74E-07	1.19E-03	1.90E-13	1.08E-05	4.89E-01	1.21E-06	2.02E-05	2.14E-04
IN	BN836-S	1088.64	9.38E-01	--	--	4.67E-08	2.01E-03	8.04E+01	2.35E+00	1.55E+00	7.21E-08	1.86E-03	--	5.92E-08	5.48E-08	1.31E-03	1.66E-13	3.18E-06	5.38E-01	2.91E-05	1.77E-05	1.34E-05
IN	BNINW216-S	3621.20	1.32E+04	--	--	7.66E-09	2.49E+00	6.09E+00	1.20E+03	2.92E+02	4.89E-05	1.62E-01	--	9.44E-09	3.24E-05	5.75E-04	3.13E-11	2.45E-03	1.82E-01	2.49E-02	3.33E-03	1.66E+00
IN	BNINW218-S	475.58	2.50E+01	--	--	1.72E-09	2.65E-01	1.17E-01	4.44E+01	8.87E+00	1.22E-06	1.35E-03	--	2.16E-09	7.62E-06	5.91E-05	9.59E-13	4.35E-04	1.77E-02	1.80E-03	1.02E-04	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	9.88E-02	--	--	--	1.84E-05	1.26E-03	7.24E-01	1.62E-01	1.44E-08	1.34E-05	--	--	2.37E-10	2.07E-08	1.74E-14	1.80E-08	8.48E-06	2.71E-07	1.85E-06	7.67E-13
IN	ID-RF-S3114-S	95.54	3.59E+00	--	--	2.39E-10	7.26E-04	2.36E-02	1.34E+01	2.78E+00	3.63E-07	2.58E-04	--	3.08E-10	1.02E-08	1.74E-06	2.97E-13	7.47E-07	5.59E-04	1.60E-05	3.17E-05	8.77E-05
IN	ID-RF-S3150-A-S	165.96	1.97E+01	--	--	2.48E-09	4.77E-03	3.03E-01	1.28E+02	2.75E+01	3.73E-06	2.40E-03	--	3.28E-09	7.87E-08	1.92E-03	2.95E-12	5.39E-06	5.65E-01	1.34E-04	3.15E-04	1.84E-04
IN	ID-RF-S5100-A-S	525.75	3.85E+01	--	--	1.47E-09	7.03E-03	4.29E-01	2.44E+02	5.44E+01	4.94E-06	4.74E-03	--	1.92E-09	3.60E-05	1.01E-05	5.84E-12	1.04E-03	3.79E-03	1.15E-04	6.22E-04	4.50E-06
IN	ID-RF-S5126-S	148.89	7.02E+01	--	--	1.61E-04	1.37E-02	9.80E-01	5.14E+02	1.16E+02	1.31E-05	9.89E-03	--	1.72E-09	7.47E-03	7.27E-05	1.25E-11	2.14E-01	2.33E-02	2.05E-04	1.33E-03	5.64E-10
IN	ID-RF-S5300-A-S	1429.67	5.75E+01	1.65E-08	2.87E-07	2.14E-09	1.30E-02	2.67E-01	1.56E+02	3.41E+01	2.30E-05	3.60E-03	--	2.31E-09	9.95E-03	7.29E-05	3.64E-12	2.86E-01	2.20E-02	5.94E-04	3.89E-04	8.31E-04
IN	IN-BN004	437.22	3.26E+01	--	--	--	6.15E-03	2.23E-01	1.67E+02	3.67E+01	1.97E-06	2.77E-03	--	--	8.21E-08	5.71E-06	4.82E-12	6.12E-06	2.08E-03	6.92E-05	4.64E-04	1.74E-10
IN	IN-BN161	439.30	2.29E+02	--	--	--	4.62E-02	2.90E+00	1.64E+03	3.63E+02	1.03E-05	3.06E-02	--	--	6.74E-07	6.49E-05	4.47E-11	4.82E-05	2.44E-02	6.77E-04	4.45E-03	1.86E-09
IN	IN-BN211	424.74	2.40E+02	2.08E-07	--	9.79E-11	6.38E-02	2.85E+00	1.58E+03	3.55E+02	9.69E-06	3.09E-02	--	1.26E-10	8.80E-04	7.13E-05	4.36E-11	2.37E-02	2.61E-02	1.12E-03	4.34E-03	3.58E-06
IN	IN-BN-243	347.36	2.35E+01	--	--	--	4.43E-03	2.68E-01	1.98E+02	4.26E+01	1.58E-06	8.02E-03	--	--	5.89E-08	6.88E-06	5.58E-12	4.39E-06	2.50E-03	2.24E-04	5.38E-04	9.79E-06
IN	IN-BN252	146.85	1.02E+02	--	--	3.60E-11	7.20E-02	1.31E+00	8.57E+02	1.78E+02	7.12E-06	1.99E-02	--	4.33E-11	1.98E-06	2.98E-05	2.18E-11	1.12E-04	1.12E-02	5.08E-04	2.18E-03	1.21E-09
IN	IN-BN296	925.39	7.55E+02	--	4.85E-07	1.61E-09	2.11E-01	6.50E+00	3.19E+03	6.88E+02	2.01E-05	7.30E-02	--	2.18E-09	3.97E-04	1.49E-04	8.42E-11	1.08E-02	5.58E-02	1.88E+00	8.40E-03	1.22E-03
IN	IN-BN304	222.56	2.27E+01	--	--	2.70E-08	5.80E-03	4.47E+02	2.08E+01	1.52E+01	7.12E-07	1.34E-02	--	4.16E-08	1.07E-07	9.80E-03	1.86E-12	6.92E-06	3.71E+00	3.81E-05	1.85E-04	1.65E-02
IN	IN-BN-510	11650.46	4.10E+03	3.43E-03	--	--	8.19E-01	1.60E+03	1.71E+04	4.05E+03	6.21E-04	3.36E-01	--	--	1.76E+01	3.09E-02	1.43E+00	4.86E+02	1.21E+01	4.98E-01	4.81E-02	1.26E-02
IN	IN-BN835	1219.05	1.32E-02	--	--	--	2.44E-06	3.30E+02	3.69E+00	3.66E+00	1.49E-09	6.34E-06	--	--	3.17E-11	8.39E-03	4.77E-13	2.40E-09	3.06E+00	1.52E-06	4.61E-05	3.98E-13
IN	IN-BN836	2043.09	9.15E-02	--	--	--	1.70E-05	2.35E+02	1.08E-01	5.42E-02	1.04E-08	4.94E-05	--	--	2.20E-10	5.97E-03	7.08E-15	1.66E-08	2.17E+00	4.44E-08	6.84E-07	3.10E-12
IN	IN-BNINW216	4431.23	1.02E+04	--	--	--	1.96E+00	1.14E+00	8.67E+02	1.91E+02	1.02E-05	1.43E-02	--	--	2.69E-05	2.94E-05	2.50E-11	1.98E-03	1.07E-02	3.59E-04	2.41E-03	9.00E-10
IN	IN-BNINW218	945.00	9.18E+01	--	--	--	1.73E-02	4.72E-02	3.39E+01	7.46E+00	5.28E-07	5.59E-04	--	--	2.29E-07	1.13E-06	9.49E-13	1.72E-05	4.19E-04	1.38E-05	9.28E-05	3.47E-11
IN	IN-GEM-01	7.28	1.82E+00	--	--	--	3.08E-04	1.77E-03	1.57E+00	3.50E-01	2.23E-08	1.87E-05	--	--	3.47E-09	2.97E-08	3.80E-14	2.81E-07	1.21E-05	5.91E-07	4.02E-06	1.07E-12
IN	IN-GEM-02	5.41	1.35E+00	--	--	--	2.29E-04	1.31E-03	1.17E+00	2.60E-01	1.66E-08	1.39E-05	--	--	2.58E-09	2.21E-08	2.82E-14	2.09E-07	9.00E-06	4.39E-07	2.99E-06	7.97E-13
IN	IN-ID-RF-S3114	3608.01	3.56E+02	--	--	1.55E-08	7.67E-02	2.06E+00	1.38E+03	2.84E+02	1.42E-05	2.64E-02	--	1.96E-08	1.19E-06	1.89E-04	3.38E-11	8.31E-05	5.74E-02	1.67E-03	3.42E-03	8.99E-03
IN	IN-ID-RF-S3150-A	178.88	9.62E+01	--	--	9.36E-09	2.41E-02	1.37E-01	6.35E+02	1.37E+02	1.04E-05	1.19E-02	--	1.22E-08	4.22E-07	9.83E-03	1.56E-11	2.81E-05	2.81E+00	6.73E-04	1.61E-03	9.18E-04
IN	IN-ID-RF-S5126-A	291.20	9.45E+02	--	--	1.27E-03	2.00E-01	1.13E+01	7.20E+03	1.63E+03	5.50E-05	1.39E-01	--	1.33E-08	1.11E-01	1.09E-03	1.99E-10	3.00E+00	3.27E-01	3.05E-03	1.99E-02	8.44E-09
IN	IN-ID-RF-S5300-A	12285.00	4.80E+02	1.42E-07	1.19E-06	1.19E-08	1.15E-01	1.97E+00	1.34E+03	2.92E+02	7.92E-05	3.09E-02	--	1.27E-08	8.95E-02	6.60E-04	3.45E-11	2.45E+00	1.90E-01	5.13E-03	3.50E-03	7.14E-03
IN	IN-ID-SDA-Debris	5541.33	9.37E+03	1.28E+01	--	--	2.04E+00	6.49E+01	6.35E+03	1.62E+03	--	--	--	--	5.73E-03	2.65E-02	6.01E-09	1.52E-01	7.29E+00	5.53E-01	3.05E-01	1.16E+01
IN	IN-ID-SDA-Sludge	11811.28	2.00E+04	2.73E+01	--	--	4.35E+00	1.38E+02	1.35E+04	3.46E+03	--	--	--	--	1.22E-02	5.64E-02	1.28E-08	3.24E-01	1.55E+01	1.18E+00	6.49E-01	2.48E+01
IN	IN-ID-SDA-Soil	665.60	1.13E+03	1.54E+00	--	--	2.45E-01	7.80E+00	7.63E+02	1.95E+02	--	--	--	--	6.89E-04	3.18E-03	7.22E-10	1.83E-02	8.76E-01	6.64E-02	3.66E-02	1.40E+00
IN	INW161.001-S	19.14	1.96E+01	--	--	--	3.34E-03	2.71E-01	1.55E+02	3.42E+01	4.30E-06	3.52E-03	--	--	3.78E-08	5.65E-06	3.73E-12	3.05E-06	2.18E-03	1.46E-04	3.94E-04	5.56E-06
IN	IN-W163.1007	11.47	6.54E+00	--	--	--	1.17E-03	1.39E-01	8.59E+01	1.84E+01	2.07E-06	4.22E-03	--	--	1.42E-08	2.76E-06	2.15E-12	1.10E-06	1.07E-03	3.35E-05	2.19E-04	2.51E-10
IN	IN-W167.149	383.30	1.43E+01	--	--	--	2.54E-03	2.15E-01	1.32E+02	2.83E+01	3.18E-06	5.36E-03	--	--	3.09E-08	4.25E-06	3.31E-12	2.41E-06	1.66E-03	5.17E-05	3.38E-04	3.19E-10
IN	INW169.001-S	19.14	3.36E+00	--	--	--	5.73E-04	3.37E-02	1.95E+01	4.22E+00	5.99E-07	5.91E-04	--	--	6.48E-09	1.59E-06	4.61E-13	5.23E-07	5.30E-04	7.96E-05	4.87E-05	4.37E-06
IN	IN-W181.162	80.29	3.02E+00	--	--	--	5.38E-04	4.29E-02	2.69E+01	5.93E+00	9.54E-07	4.45E-04	--	--	6.53E-09	8.48E-07	6.93E-13	5.10E-07	3.30E-04	1.05E-05	7.07E-05	2.64E-11
IN	IN-W188.160	149.11	5.55E+00	--	--	--	9.89E-04	1.18E-01	7.28E+01	1.56E+01	1.75E-06	2.99E-03	--	--	1.20E-08	2.34E-06	1.82E-12	9.37E-07	9.10E-04	2.85E-05	1.86E-04	1.78E-10
IN	INW198.001-S	49.09	4.77E+00	--	--	--	8.11E-04	6.08E-02	3.74E+01	8.11E+00	1.05E-06	8.87E-04	--	--	9.13E-06	1.52E-06	8.86E-13	2.60E-04	5.62E-04	4.97E-05	9.35E-05	5.90E-05
IN	INW211.001-S	303.92	5.84E+02	--	--	--	9.94E-02	6.76E+00	3.60E+03	7.79E+02	1.28E-04	1.40E-01	--	--	4.56E-04	1.28E-04	8.51E-11	1.30E-02	5.05E-02	2.30E-03	8.98E-03	1.47E-03
IN	INW216.001-S	1245.06	3.13E+04	--	--	--	5.35E+00	5.71E+00	3.23E+03	7.03E+02	1.07E-04	1.18E-01	--	--	1.24E-03	2.23E-03	7.72E-11	3.83E-02	6.64E-01	1.04E-01	8.13E-03	3.89E+00

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	INW218.001-S	1110.87	4.75E+02	--	--	--	8.11E-02	8.51E-01	4.92E+02	1.07E+02	1.61E-05	1.70E-02	--	--	3.93E-04	3.20E-03	1.17E-11	1.12E-02	9.39E-01	1.02E-01	1.24E-03	8.74E+00
IN	IN-W219.110	7.70	1.05E+00	--	--	--	1.87E-04	1.49E-02	9.36E+00	2.06E+00	3.31E-07	1.54E-04	--	--	2.27E-09	2.94E-07	2.41E-13	1.77E-07	1.15E-04	3.66E-06	2.46E-05	9.18E-12
IN	IN-W219.914	1.89	8.49E-02	--	--	--	1.51E-05	1.20E-03	7.59E-01	1.67E-01	2.68E-08	1.25E-05	--	--	1.84E-10	2.38E-08	1.95E-14	1.43E-08	9.27E-06	2.96E-07	1.99E-06	7.45E-13
IN	INW222.001-S	65.10	4.11E+01	--	--	--	7.00E-03	5.06E-01	2.81E+02	6.13E+01	8.59E-06	7.39E-03	--	--	7.92E-08	1.16E-05	6.70E-12	6.39E-06	4.37E-03	2.10E-04	7.07E-04	7.02E-03
IN	IN-W222.116	259.02	7.08E+01	--	--	--	1.26E-02	1.49E+00	9.14E+02	1.96E+02	2.21E-05	3.70E-02	--	--	1.53E-07	2.94E-05	2.29E-11	1.19E-05	1.15E-02	3.57E-04	2.34E-03	2.20E-09
IN	INW243.001-S	74.88	5.12E+01	--	--	--	8.75E-03	5.22E-01	2.34E+02	5.09E+01	7.55E-06	6.81E-03	--	--	8.71E-05	1.53E-05	5.58E-12	2.48E-03	5.48E-03	5.36E-04	5.88E-04	3.17E-04
IN	INW247.001R1-S	116.90	6.66E+01	--	--	--	1.14E-02	1.24E+00	4.11E+02	9.10E+01	1.38E-05	7.91E-03	--	--	2.65E-04	2.15E-05	9.99E-12	7.54E-03	8.70E-03	1.62E-04	1.05E-03	4.56E-10
IN	INW252.001-S	60.94	4.87E+01	--	--	--	8.30E-03	6.13E-01	2.98E+02	6.58E+01	1.39E-05	6.81E-03	--	--	9.38E-08	1.31E-05	7.18E-12	7.58E-06	5.01E-03	3.38E-04	7.58E-04	3.91E-10
IN	IN-W263.520	280.07	5.07E-02	--	--	--	9.03E-06	1.82E+01	1.88E+01	2.90E-02	1.60E-08	2.64E-05	--	--	1.10E-10	3.60E-04	3.39E-15	8.56E-09	1.40E-01	7.35E-06	3.46E-07	1.57E-12
IN	IN-W267.1005	11.47	1.18E+01	--	--	--	2.10E-03	2.51E-01	1.54E+02	3.30E+01	3.72E-06	8.05E-03	--	--	2.55E-08	4.97E-06	3.86E-12	1.99E-06	1.94E-03	6.03E-05	3.94E-04	4.79E-10
IN	INW276.001-S	10.19	4.49E+00	--	--	--	7.78E-04	1.17E-01	3.14E+01	6.96E+00	1.07E-06	6.54E-04	--	--	9.05E-09	2.12E-06	7.81E-13	7.21E-07	8.45E-04	1.23E-05	8.14E-05	3.81E-11
IN	INW276.002-S	16.02	7.07E+00	--	--	--	1.22E-03	1.77E-01	4.72E+01	1.04E+01	1.67E-06	9.81E-04	--	--	2.59E-05	3.17E-06	1.16E-12	7.30E-04	1.27E-03	1.88E-05	1.22E-04	5.70E-11
IN	INW276.003-S	186.58	2.69E+02	--	--	--	4.61E-02	6.56E+00	1.71E+03	3.78E+02	6.76E-05	3.65E-02	--	--	1.84E-03	1.15E-04	4.17E-11	5.21E-02	4.63E-02	6.88E-04	4.38E-03	1.12E-06
IN	INW276.004-S	46.80	6.23E+01	--	--	--	1.07E-02	1.37E+00	3.63E+02	8.04E+01	1.42E-05	7.64E-03	--	--	1.60E-03	2.44E-05	8.87E-12	4.53E-02	9.78E-03	1.66E-04	9.31E-04	4.42E-10
IN	INW296.001-S	97.76	1.08E+02	--	--	--	1.84E-02	1.46E+00	5.08E+02	1.12E+02	1.72E-05	1.10E-02	--	--	3.57E-04	2.75E-05	1.23E-11	1.01E-02	1.09E-02	3.44E-04	1.29E-03	3.96E-04
IN	IN-W315.601	34.41	1.19E+03	--	--	--	2.12E-01	4.46E-02	2.80E+01	6.17E+00	9.91E-07	4.61E-04	--	--	2.57E-06	8.82E-07	7.21E-13	2.01E-04	3.43E-04	1.10E-05	7.36E-05	2.74E-11
IN	IN-W319.584	4.79	1.82E+00	--	--	--	3.24E-04	3.88E-02	2.38E+01	5.10E+00	5.74E-07	1.40E-03	--	--	3.94E-09	7.68E-07	5.96E-13	3.07E-07	2.99E-04	9.29E-06	6.08E-05	8.31E-11
IN	IN-W321.1023	11.47	1.58E+01	--	--	--	2.81E-03	3.35E-01	2.06E+02	4.42E+01	4.98E-06	6.76E-03	--	--	3.41E-08	6.64E-06	5.17E-12	2.66E-06	2.58E-03	8.07E-05	5.27E-04	4.02E-10
IN	IN-W322.851	1.89	--	--	--	--	--	--	9.03E+00	1.81E+00	--	--	--	--	--	--	2.12E-13	--	--	2.51E-04	2.16E-05	--
IN	IN-W322.952	1.66	--	--	--	--	--	--	2.41E+01	4.84E+00	--	--	--	--	--	--	5.66E-13	--	--	6.68E-04	5.78E-05	--
IN	IN-W323.562	1.89	5.34E-02	--	--	--	9.51E-06	6.04E-02	2.47E-01	--	1.69E-08	--	--	--	1.16E-10	1.19E-06	--	9.01E-09	4.65E-04	9.59E-05	--	--
IN	IN-W323.951	1.46	4.42E-01	--	--	--	7.87E-05	5.01E-03	2.06E+00	--	1.40E-07	--	--	--	9.56E-10	9.92E-08	--	7.46E-08	3.86E-05	7.99E-04	--	--
IN	IN-W332.661	4.79	--	--	--	--	--	7.48E-01	1.18E-01	--	--	--	--	--	--	1.48E-05	--	--	5.77E-03	4.61E-08	--	--
IN	IN-W337.673	0.21	--	--	--	--	--	--	3.01E+00	6.05E-01	--	--	--	--	--	--	7.07E-14	--	--	8.35E-05	7.22E-06	--
IN	IN-W337.957	1.89	--	--	--	--	--	--	9.03E+00	1.81E+00	--	--	--	--	--	--	2.12E-13	--	--	2.51E-04	2.16E-05	--
IN	IN-W342.652	1.89	2.47E+00	--	--	--	4.40E-04	--	3.98E-02	1.63E-14	--	--	7.93E-13	--	5.35E-09	--	3.14E-28	4.17E-07	--	1.56E-08	6.38E-20	--
IN	IN-W342.953	0.42	1.65E+00	--	--	--	2.94E-04	--	2.66E-02	1.09E-14	--	--	5.30E-13	--	3.57E-09	--	2.08E-28	2.79E-07	--	1.04E-08	4.26E-20	--
IN	IN-W347.818	153.90	1.43E+00	--	--	--	2.55E-04	--	7.56E+01	1.31E+02	--	--	--	--	3.10E-09	1.93E-09	2.86E-05	2.42E-07	1.09E-06	1.21E-04	1.56E-03	9.77E-04
IN	IN-W348.1012	22.94	2.92E+01	--	--	--	5.20E-03	6.18E-01	3.81E+02	8.16E+01	9.20E-06	1.53E-02	--	--	6.32E-08	1.22E-05	9.54E-12	4.93E-06	4.77E-03	1.49E-04	9.74E-04	9.09E-10
IN	IN-W353.917	0.21	--	--	--	--	6.92E-05	--	2.47E-02	--	--	--	--	--	2.17E-09	--	--	1.19E-07	--	9.64E-09	--	--
IN	IN-W357.1022	4.79	5.70E-02	--	--	--	1.02E-05	1.21E-03	7.44E-01	1.59E-01	1.80E-08	3.41E-05	--	--	1.23E-10	2.40E-08	1.86E-14	9.63E-09	9.33E-06	2.91E-07	1.90E-06	2.03E-12
IN	IN-W358.854	1.89	--	--	--	--	--	1.93E+01	1.86E+00	3.48E+00	--	--	--	--	--	3.57E-04	3.95E-13	--	1.42E-01	7.17E-07	4.09E-05	--
IN	IN-W358.855	3.33	--	--	--	--	--	1.03E+02	9.93E+00	1.85E+01	--	--	--	--	--	1.91E-03	2.10E-12	--	7.57E-01	3.82E-06	2.18E-04	--
IN	IN-W358.948	0.21	--	--	--	--	--	2.15E+01	2.07E+00	3.86E+00	--	--	--	--	--	3.97E-04	4.38E-13	--	1.58E-01	7.96E-07	4.54E-05	--
IN	IN-W361.1021	11.47	5.53E+00	--	--	--	9.85E-04	1.17E-01	7.22E+01	1.55E+01	1.74E-06	2.84E-03	--	--	1.20E-08	2.32E-06	1.81E-12	9.34E-07	9.05E-04	2.82E-05	1.85E-04	1.69E-10
IN	IN-W362.1020	45.88	7.20E+01	--	--	--	1.28E-02	1.53E+00	9.43E+02	2.02E+02	2.27E-05	3.61E-02	--	--	1.56E-07	3.03E-05	2.36E-11	1.21E-05	1.18E-02	3.69E-04	2.41E-03	2.15E-09
IN	IN-W363.1019	4.79	3.38E+00	--	--	--	6.02E-04	7.20E-02	4.44E+01	9.46E+00	1.07E-06	1.52E-03	--	--	7.32E-09	1.43E-06	1.11E-12	5.71E-07	5.55E-04	1.74E-05	1.13E-04	9.05E-11
IN	IN-W364.1011	4.79	5.58E+00	--	--	--	9.94E-04	1.19E-01	7.29E+01	1.56E+01	1.76E-06	3.78E-03	--	--	1.21E-08	2.35E-06	1.83E-12	9.42E-07	9.15E-04	2.85E-05	1.86E-04	2.25E-10
IN	IN-W365.1010	11.47	1.93E+02	--	--	--	3.44E-02	9.44E-02	5.82E+01	1.24E+01	1.40E-06	2.49E-03	--	--	4.19E-07	1.87E-06	1.45E-12	3.26E-05	7.28E-04	2.27E-05	1.48E-04	1.48E-10
IN	IN-W366.841	16.26	4.43E+00	--	--	--	7.89E-04	8.03E-02	4.92E+01	1.05E+01	1.19E-06	1.92E-03	--	--	9.59E-09	1.59E-06	1.23E-12	7.48E-07	6.19E-04	1.92E-05	1.25E-04	1.14E-10
IN	IN-W372.832	1.89	2.47E+00	--	--	--	4.40E-04	--	3.98E-02	1.63E-14	--	--	7.93E-13	--	5.35E-09	--	3.14E-28	4.17E-07	--	1.56E-08	6.38E-20	--
IN	IN-W375.1096	199.78	1.39E+00	--	--	--	2.48E-04	2.96E-02	1.82E+01	3.91E+00	4.40E-07	7.39E-04	--	--	3.01E-09	5.86E-07	4.57E-13	2.35E-07	2.28E-04	7.13E-06	4.66E-05	4.39E-11
KN	KN-B234PCBTRU	0.42	4.01E-03	--	--	--	6.82E-07	5.50E-05	1.31E-02	4.27E-03	2.54E-10	4.78E-07	--	--	6.64E-07	5.26E-09	3.45E-08	1.89E-05	1.64E-06	6.53E-08	4.93E-08	6.91E-07
KN	KN-B234TRU	968.06	2.05E+02	--	--	--	3.49E-02	2.82E+00	6.74E+02	2.20E+02	1.30E-05	1.77E-03	--	--	2.28E-03	6.37E-05	1.26E-04	6.50E-02	2.41E-02	4.73E-04	2.54E-03	1.73E-02
LA	LA-LAMHD01	241.23	7.21E+02	3.02E-02	1.56E-08	5.89E-09	1.38E-01	8.86E+01	6.72E+03	1.60E+03	1.14E-04	3.39E+00	3.03E-06	4.55E-09	3.81E-03	2.27E-03	8.70E-07	1.02E-01	8.25E-01	3.11E-03	1.96E-02	7.13E-03
LA	LA-LAMHD02238	368.09	1.27E+01	--	--	--	2.16E-03	9.79E+02	1.26E+01	6.25E+00	5.65E-04	5.56E-03	--	--	2.43E-08	1.85E-02	6.78E-13	1.96E-06	7.29E+00	4.76E-06	7.18E-05	3.19E-10
LA	LA-LAMHD03	5.62	3.43E+00	9.39E-06	--	--	6.90E-04	1.05E+01	8.47E+00	2.06E+00	1.31E-07	1.37E-03	8.72E-10	--	1.00E-08	2.35E-04	2.59E-13	7.17E-07	8.85E-02	5.78E-06	2.55E-05	2.90E-07
LA	LA-LAMIN02V	42.92	4.46E+01	--	--	--	7.54E-03	5.67E-01	3.83E+02	8.82E+01	1.59E-05	5.19E-03	--	--	8.43E-08	9.45E-06	9.53E-12	6.85E-06	3.86E-03	1.44E-04	1.01E-03	2.97E-10
LA	LA-LAMIN03NC	0.62	1.67E+00	--	--	--	2.81E-04	2.13E-02	1.43E+01	3.29E+00	6.22E-07	1.94E-04	--	--	3.12E-09	3.51E-07	3.54E-13	2.54E-07	1.44E-04	5.35E-06	3.77E-05	1.10E-11
LA	LA-LAMIN04S	322.24	2.03E+03	--	--	--	3.42E-01	2.22E+01	1.01E+04	2.50E+03	5.06E-04	1.62E+00	7.88E-07	--	3.83E-06	3.70E-04	2.71E-10	3.11E-04	1.51E-01	3.79E-03	2.87E-02	9.24E-08
LA	LA-LA-NCD01	434.62	2.00E+02	8.90E-04	--	--	4.02E-02	9.72E+01	1.62E+03	3.80E+02	6.30E-05	2.40E-02	--	--	5.65E-07	1.70E-03	4.12E-11	4.13E-05	6.86E-01	1.72E-02	4.37E-03	2.05E-04
LA	LA-LANHD01	269.76	2.82E+02	--	--	--	5.06E-02	5.79E+01	2.48E+03	5.72E+02	3.40E-04	3.42E-02	--	--	6.22E-07	1.86E-03	6.75E-11	4.83E-05	6.48E-01	1.26E-03	6.85E-03	3.28E-06
LA	LA-LANHD02238	2245.18	2.04E+02	1.00E-04	--	--	3.75E-02	1.48E+04	2.06E+02	1.01E+02	9.32E-04	8.88E-02	--	--	4.78E-07	3.06E-01	1.16E-11	3.65E-05	1.18E+02	7.97E-05	1.19E-03	5.23E-09
LA	LA-LANIN03NC	1119.02	4.99E+03	3.15E+00	--	--	1.81E+00	1.73E+03	3.68E+04	8.83E+03	1.69E-03	6.64E-01	--	--	3.75E-05	2.88E-02	9.54E-10	2.36E-03	1.18E+01	1.38E-02	1.01E-01	3.80E-08
LA	LA-MHD01.001-S	487.32	6.92E+03	8.12E-01	1.71E-06	1.22E-07	1.33E+00	1.98E+02	4.07E+04	1.85E+03	3.76E-03	1.45E+00	--	1.24E-04	1.77E-02	1.41E-02	4.52E-06	5.09E-01	2.04E+00	1.75E-02	2.12E-02	2.20E-03
LA	LA-MHD02.001-S	13.52	1.10E+00	3.87E-05	--	4.02E-10	2.68E-04	9.07E+01	1.37E+00	6.74E-01	8.53E-05	7.17E-04	--	3.09E-10	9.31E-08	2.60E-03	7.20E-14	2.85E-06	9.38E-01	1.15E-06	7.69E-06	4.08E-11
LA	LA-MHD02238	0.21	9.35E-03	--	--	--	1.58E-06	7.27E-01	8.62E-03	4.27E-03	3.89E-09	3.57E-06	--	--	1.77E-11	1.21E-05	4.62E-16	1.44E-09	4.95E-03	3.24E-09	4.90E-08	2.04E-13
LA	LA-MHD03.001-S	47.01	7.80E+00	2.99E-03	--	3.19E-07	4.26E-03	2.88E+00	2.48E+01	6.80E+00	3.33E-06	2.57E-03	--	2.45E-07	9.92E-08	7.24E-05	7.27E-13	6.03E-06	2.68E-02	3.41E-05	7.76E-05	1.50E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-MIN03-NC.001-S	248.69	7.80E+01	2.83E-04	--	5.93E-06	1.49E-02	3.08E-01	1.07E+02	1.51E+01	3.37E-06	1.58E-02	--	3.45E-06	2.05E-07	3.74E-05	1.63E-12	1.51E-05	1.16E-02	2.86E-04	1.73E-04	7.93E-05
LA	LA-OS-00-01	118.14	7.08E+03	--	--	6.19E-04	1.21E+00	6.14E+01	--	--	--	--	--	--	1.39E-05	1.07E-03	--	1.11E-03	4.32E-01	--	--	--
LA	LA-OS-00-01.001-S	75.71	2.75E+02	--	--	2.56E-05	4.62E-02	3.30E+02	6.89E+02	2.01E+02	9.25E-06	5.65E-02	--	1.69E-05	5.19E-07	7.20E-03	2.14E-11	4.20E-05	2.75E+00	2.86E-04	2.29E-03	9.84E-07
LA	LA-OS-00-01-S	0.42	1.54E+00	--	--	4.33E-08	2.74E-04	8.89E-02	4.73E+00	4.67E+00	7.70E-08	9.64E-05	--	3.12E-08	3.32E-09	9.30E-02	5.10E-13	2.60E-07	6.15E-04	1.79E-06	5.39E-05	5.54E-12
LA	LA-OS-00-03	14.56	1.39E+01	--	--	--	2.39E-03	--	--	--	--	--	--	--	2.73E-08	--	--	2.19E-06	--	--	--	--
LA	LA-PX-00-01	0.62	7.34E-03	--	--	--	1.28E-06	2.45E-04	5.54E-02	1.27E-02	1.10E-09	--	--	--	1.49E-11	4.48E-09	1.43E-15	1.19E-09	1.79E-06	2.13E-08	1.48E-07	--
LA	LA-TA-00-01	322.96	2.03E+01	7.90E-03	1.28E-05	--	9.17E-03	2.10E+01	1.10E+02	2.02E+01	2.16E-04	1.04E-01	1.06E-04	--	4.60E-05	5.08E-04	1.10E-07	1.22E-03	1.87E-01	4.59E-05	2.52E-04	7.62E-05
LA	LA-TA-00-02	0.21	9.33E-01	--	--	--	1.60E-04	1.14E-01	1.06E-02	1.68E-01	2.62E-07	1.15E-01	1.61E-07	--	1.85E-09	2.01E-06	1.87E-14	1.48E-07	8.07E-04	4.04E-09	1.96E-06	6.67E-09
LA	LA-TA-03-01	0.21	2.92E-02	--	--	--	1.16E-05	2.63E-04	1.82E-01	4.19E-02	6.52E-09	2.46E-06	--	--	2.51E-10	4.53E-09	4.59E-15	1.55E-08	1.83E-06	6.88E-08	4.84E-07	1.42E-13
LA	LA-TA-03-03	13.52	5.29E-01	8.88E-04	--	3.02E-10	9.39E-04	6.17E-01	4.12E+00	9.51E-01	1.36E-07	5.89E-05	--	2.32E-10	1.26E-07	1.13E-05	1.06E-13	1.50E-06	4.50E-03	9.89E-06	1.11E-05	4.82E-08
LA	LA-TA-03-04	0.42	6.47E-02	--	--	--	2.87E-05	9.06E-02	2.85E-01	6.59E-02	1.11E-08	4.29E-06	--	--	6.42E-10	1.54E-06	7.19E-15	3.93E-08	6.27E-04	1.08E-07	7.60E-07	2.47E-13
LA	LA-TA-03-05	3.14	3.22E-02	--	--	--	1.98E-05	1.63E-02	2.42E-01	5.66E-02	7.85E-09	3.63E-06	--	--	4.90E-10	2.88E-07	6.28E-15	2.90E-08	1.16E-04	1.34E-05	6.57E-07	3.74E-05
LA	LA-TA-03-06	0.21	1.30E-01	2.66E-04	--	--	5.36E-05	1.27E-02	2.97E-01	6.85E-02	1.07E-08	4.09E-06	--	--	1.18E-09	2.19E-07	7.52E-15	7.26E-08	8.88E-05	1.13E-07	7.92E-07	2.36E-13
LA	LA-TA-03-07	3.74	1.97E-01	4.54E-04	--	3.31E-10	6.04E-04	4.28E-03	1.53E+00	3.29E-01	4.96E-08	2.09E-05	--	1.32E-10	1.73E-08	7.46E-08	3.63E-14	9.83E-07	3.01E-05	6.87E-06	3.81E-06	6.13E-08
LA	LA-TA-03-08	37.80	2.03E-01	6.19E-04	--	7.97E-09	9.86E-05	1.82E-01	3.21E-01	5.39E-02	7.85E-09	3.96E-06	--	--	2.32E-09	3.29E-06	6.04E-15	1.39E-07	1.32E-03	1.94E-04	6.29E-07	5.67E-04
LA	LA-TA-03-09	33.15	1.40E+01	4.60E-03	--	8.69E-10	5.75E-02	4.85E-01	2.44E+01	5.66E+00	1.77E-06	1.02E-02	1.08E-08	--	1.68E-06	8.76E-06	6.34E-13	9.48E-05	3.50E-03	1.24E-04	6.61E-05	3.97E-05
LA	LA-TA-03-10	485.93	2.56E+01	6.10E-02	--	9.39E-10	2.74E-02	2.82E+01	1.39E+02	3.18E+01	4.82E-06	2.05E-03	--	--	7.31E-07	4.91E-04	3.50E-12	4.24E-05	1.98E-01	1.28E-03	3.68E-04	1.45E-04
LA	LA-TA-03-12	200.53	1.86E+01	1.48E-02	1.33E-08	4.91E-08	4.41E-03	1.12E+01	7.40E+01	1.79E+01	1.23E-05	2.93E-02	2.36E-08	2.60E-08	7.77E-08	2.96E-04	1.10E-08	5.11E-06	1.07E-01	1.82E-03	2.43E-04	9.15E-06
LA	LA-TA-03-13	23.30	2.62E+00	1.63E-04	--	4.22E-09	1.10E-03	2.99E+00	2.07E+01	4.62E+00	3.62E-07	3.59E-04	--	2.91E-09	2.53E-08	6.84E-05	6.02E-13	1.52E-06	2.57E-02	8.26E-05	5.83E-05	2.81E-07
LA	LA-TA-03-14	56.77	5.07E+00	4.80E-03	--	1.56E-06	1.35E-03	4.81E+00	1.59E+01	4.13E+00	2.39E-07	1.13E-02	1.00E-08	1.75E-05	2.62E-08	1.20E-04	6.10E-13	1.66E-06	4.40E-02	1.67E-04	5.55E-05	5.02E-06
LA	LA-TA-03-15	8.94	8.44E-01	4.81E-03	--	1.55E-09	2.75E-04	4.06E-01	1.90E+00	4.40E-01	4.86E-08	2.26E-03	1.75E-09	1.21E-09	5.68E-09	8.52E-06	6.35E-14	3.55E-07	3.27E-03	6.58E-06	5.87E-06	8.45E-07
LA	LA-TA-03-16	28.29	3.01E+00	--	--	--	1.49E-03	6.19E-01	1.41E+01	5.50E+00	6.83E-07	1.65E-03	--	--	3.76E-08	1.39E-05	6.66E-13	2.18E-06	5.22E-03	5.61E-06	6.68E-05	9.95E-11
LA	LA-TA-03-18	0.62	--	--	2.40E-05	--	--	--	6.17E-03	4.33E-01	--	--	--	--	--	--	5.51E-14	--	--	2.51E-09	5.39E-06	--
LA	LA-TA-03-19	51.17	8.78E-01	--	--	8.36E-09	1.93E-04	2.24E+00	4.34E+00	1.42E+00	1.15E-07	5.05E-04	--	6.44E-09	3.15E-09	5.42E-05	1.82E-13	2.14E-07	2.00E-02	1.77E-06	1.78E-05	3.14E-11
LA	LA-TA-03-20	24.54	8.01E-01	--	--	--	1.61E-03	2.33E+01	6.51E+00	1.82E+00	1.43E-07	3.50E-04	--	--	5.05E-08	5.29E-04	2.26E-13	2.73E-06	1.98E-01	2.62E-06	2.24E-05	2.15E-11
LA	LA-TA-03-21	98.66	3.20E-01	--	--	--	2.88E-04	1.34E+00	3.61E+00	8.81E-01	4.08E-08	9.44E-05	--	--	8.56E-09	3.20E-05	1.12E-13	4.68E-07	1.18E-02	1.47E-06	1.10E-05	5.86E-12
LA	LA-TA-03-23	68.66	7.77E-03	--	--	--	1.46E-06	7.68E-02	1.16E-01	2.64E-02	1.16E-09	1.84E-06	--	--	1.93E-11	1.82E-06	3.34E-15	1.44E-09	6.75E-04	4.70E-08	3.27E-07	1.14E-13
LA	LA-TA-03-24	9.36	1.57E+00	--	--	--	6.63E-04	5.05E-01	9.89E+00	3.29E+00	2.14E-07	7.80E-04	--	--	1.65E-08	1.23E-05	4.21E-13	9.53E-07	4.52E-03	4.04E-06	4.11E-05	4.85E-11
LA	LA-TA-03-25	0.21	3.55E-03	--	--	--	6.37E-07	7.06E-05	5.42E-02	1.23E-02	1.02E-09	7.40E-07	--	--	7.82E-12	1.43E-09	1.45E-15	6.07E-10	5.53E-07	2.13E-08	1.47E-07	4.42E-14
LA	LA-TA-03-26	6.66	2.76E-01	--	--	--	5.22E-05	7.43E-01	4.61E+01	9.69E-01	3.77E-08	6.06E-05	--	--	6.97E-10	8.54E-05	1.71E-12	5.19E-08	2.48E-02	3.75E-03	8.99E-05	5.31E-06
LA	LA-TA-03-28	6.03	3.14E-01	--	--	--	5.88E-05	1.45E-01	4.11E+00	7.38E-01	4.28E-08	1.07E-04	--	--	7.74E-10	3.39E-06	9.31E-14	5.81E-08	1.26E-03	1.67E-06	9.15E-06	6.60E-12
LA	LA-TA-03-29	0.42	4.90E-02	--	--	--	8.96E-06	9.37E+00	1.11E-01	4.23E-02	1.07E-08	3.16E-05	--	--	1.14E-10	2.03E-04	5.14E-15	8.68E-09	7.72E-02	4.43E-08	5.14E-07	1.92E-12
LA	LA-TA-03-30	7.77	4.98E-02	1.41E-06	--	1.09E-09	1.06E-05	3.51E-03	5.26E-02	1.62E-02	7.60E-10	9.71E-07	--	--	1.65E-10	8.24E-08	2.04E-15	1.14E-08	3.07E-05	3.69E-07	2.00E-07	6.00E-14
LA	LA-TA-03-31	0.21	7.60E-02	--	--	--	1.37E-05	1.49E-03	1.16E+00	2.64E-01	1.99E-08	1.59E-05	--	--	1.70E-10	3.09E-08	3.15E-14	1.31E-08	1.19E-05	4.59E-07	3.18E-06	9.55E-13
LA	LA-TA-03-32	0.21	--	--	--	--	--	--	1.76E-01	--	--	--	--	--	--	--	--	--	--	2.32E-05	--	--
LA	LA-TA-03-33	2.10	1.49E-04	--	--	1.61E-10	1.84E-04	--	--	--	--	--	--	--	6.25E-09	2.56E-11	--	3.29E-07	1.39E-08	--	--	1.20E-05
LA	LA-TA-03-34	39.69	8.95E-03	--	--	2.17E-11	1.57E-06	1.53E-01	3.80E-02	4.13E-03	3.99E-10	2.48E-07	--	--	1.85E-11	2.85E-06	4.70E-16	1.46E-09	1.13E-03	2.67E-06	4.86E-08	6.16E-06
LA	LA-TA-03-40	28.35	--	--	--	--	--	2.86E-02	7.48E+00	--	--	--	--	--	--	6.27E-07	--	--	2.37E-04	3.38E-05	--	--
LA	LA-TA-03-42	96.39	2.18E-03	--	--	--	4.01E-07	6.30E-03	5.95E-01	7.63E-03	4.31E-10	4.59E-07	--	--	5.13E-12	1.40E-07	9.38E-16	3.90E-10	5.27E-05	2.38E-07	9.34E-08	2.80E-14
LA	LA-TA-21-05	0.42	6.97E-02	--	--	--	1.31E-05	1.27E-03	1.03E+00	2.39E-01	1.05E-08	1.67E-05	--	--	1.73E-10	3.02E-08	3.02E-14	1.30E-08	1.12E-05	2.00E-05	2.96E-06	1.03E-12
LA	LA-TA-21-06	256.90	2.50E+01	--	--	--	4.70E-03	7.58E+02	2.02E+02	5.93E+01	3.75E-06	1.13E-02	--	--	6.22E-08	1.80E-02	7.52E-12	4.66E-06	6.66E+00	1.01E-03	7.37E-04	6.97E-10
LA	LA-TA-21-07	678.79	1.18E+01	5.07E-10	--	--	2.24E-03	5.42E+02	2.02E+02	3.77E+01	1.62E-06	3.40E-03	--	--	2.99E-08	1.31E-02	4.82E-12	2.23E-06	4.85E+00	1.13E-04	4.71E-04	2.01E-03
LA	LA-TA-21-08	3.54	2.81E-01	--	--	--	5.29E-05	4.60E+00	2.67E+00	7.29E-01	4.22E-08	1.12E-04	--	--	6.99E-10	1.09E-04	9.24E-14	5.24E-08	4.04E-02	1.09E-06	9.06E-06	6.95E-12
LA	LA-TA-21-09	4.37	1.99E-01	--	--	--	1.08E-04	7.56E+01	3.55E-01	8.05E-02	3.41E-09	3.94E-04	--	--	2.90E-09	1.79E-03	1.02E-14	1.64E-07	6.65E-01	1.44E-07	1.00E-06	2.44E-11
LA	LA-TA-21-10	0.21	--	--	--	--	--	--	4.98E-01	--	--	--	--	--	--	--	--	--	--	2.01E-07	--	--
LA	LA-TA-21-11	24.57	--	--	--	--	--	2.65E-02	2.09E+01	--	--	--	--	--	--	6.35E-07	--	--	2.34E-04	8.53E-06	--	--
LA	LA-TA-21-12	202.87	4.60E+01	--	--	--	8.61E-03	2.26E+03	2.73E+02	8.74E+01	6.72E-06	2.28E-02	--	--	1.57E+00	5.29E-02	1.10E-11	4.17E+01	1.97E+01	2.17E-03	1.08E-03	1.41E-09
LA	LA-TA-21-13	2934.38	7.05E+03	--	--	--	1.33E+00	9.24E+00	1.22E+02	--	--	--	--	--	1.78E-05	2.47E-04	1.10E-04	1.33E-03	8.89E-02	2.40E-02	--	1.12E-02
LA	LA-TA-21-14	85.39	--	--	--	--	--	--	9.21E+00	--	--	--	--	--	--	--	--	--	--	3.70E-06	--	--
LA	LA-TA-21-15	3.54	2.22E-01	--	--	--	4.15E-05	4.06E-03	4.68E+00	7.84E-01	3.49E-08	4.72E-05	--	--	5.47E-10	9.53E-08	9.88E-14	4.10E-08	3.54E-05	1.90E-06	9.71E-06	2.91E-12
LA	LA-TA-21-16	79.87	4.47E+01	--	--	--	8.37E-03	1.06E+00	6.27E+02	1.45E+02	6.98E-06	1.24E-02	--	--	1.10E-07	2.48E-05	1.83E-11	8.26E-06	9.24E-03	3.55E-03	1.80E-03	7.66E-10
LA	LA-TA-21-17	0.62	1.67E-03	--	--	--	3.14E-07	3.04E-05	2.61E-02	5.91E-03	2.51E-10	3.56E-07	--	--	4.15E-12	7.22E-10	7.49E-16	3.11E-10	2.68E-07	1.06E-08	7.35E-08	2.20E-14
LA	LA-TA-21-18	15.12	7.15E+01	--	--	--	1.45E-02	1.30E+00	1.28E+02	4.97E+01	9.36E-06	2.88E-04	--	--	2.13E-07	2.87E-05	6.11E-12	1.52E-05	1.08E-02	5.13E-05	6.09E-04	1.76E-11
LA	LA-TA-21-40	1097.45	3.33E-01	--	--	9.18E-11	7.43E-05	6.91E+01	3.31E+02	8.52E-01	2.02E-08	5.14E-05	1.75E-04	4.47E-10	1.94E-07	1.53E-03	1.05E-13	5.25E-06	5.78E-01	1.33E-04	1.04E-05	1.36E-06
LA	LA-TA-21-41	22.68	--	--	--	--	--	--	1.81E+01	--	--	--	--	--	--	--	--	--	--	7.24E-06	--	--
LA	LA-TA-21-42	103.95	4.31E+00	--	--	--	9.26E-04	2.30E-01	2.09E+01	--	2.00E-07	--	--	--	1.45E-08	5.10E-06	--	1.01E-06	1.93E-03	5.04E-05	--	--
LA	LA-TA-48-01	8.32	1.48E-01	2.01E-05	--	8.09E-08	1.45E-04	2.51E-02	6.04E-01	1.47E-01	2.35E-08	4.27E-06	--	--	2.85E-04	4.94E-07	1.60E-14	8.12E-03	1.93E-04	2.28E-07	1.69E-06	2.46E-13
LA	LA-TA-50-01	0.83	8.81E-03	6.92E-06	--	2.00E-07	1.51E-06	1.13E-05	8.61E-04	--	--	--	--	--	1.72E-11	6.34E-07	--	1.38E-09	1.85E-04	3.42E-06	--	--

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-50-02	0.62	1.75E-02	--	--	4.87E-11	3.22E-06	1.79E-02	3.47E-02	--	2.49E-09	--	--	--	4.10E-11	3.08E-07	--	3.13E-09	1.25E-04	3.38E-07	--	--
LA	LA-TA-50-05	0.21	9.88E-03	--	--	--	1.68E-06	1.61E-03	1.47E-01	3.81E-03	4.29E-10	--	--	--	1.90E-11	2.75E-08	4.16E-16	1.54E-09	1.12E-05	5.85E-08	4.39E-08	--
LA	LA-TA-50-06	3.55	6.81E+00	--	--	--	1.21E-03	1.59E-01	3.62E+00	2.09E+00	7.10E-07	3.02E-03	--	--	1.46E-08	3.11E-06	2.43E-13	1.14E-06	1.21E-03	1.41E-06	2.49E-05	1.79E-10
LA	LA-TA-50-10	21.01	1.21E+01	--	--	--	2.09E-03	9.32E+00	1.00E+02	2.32E+01	3.05E-06	1.49E-03	--	--	2.43E-08	1.69E-04	2.60E-12	1.94E-06	6.76E-02	4.15E-04	2.71E-04	1.35E-02
LA	LA-TA-50-11	1.04	1.83E-01	--	--	--	3.36E-05	3.26E-03	2.49E+00	5.49E-01	3.26E-08	3.30E-05	--	--	4.29E-10	7.14E-08	6.72E-14	3.27E-08	2.71E-05	9.97E-07	6.70E-06	2.01E-12
LA	LA-TA-50-12	13.21	9.06E-03	--	--	--	1.80E-06	9.92E-03	9.23E-02	--	1.65E-10	--	--	--	2.58E-11	2.32E-06	--	1.86E-09	1.23E-03	3.72E-08	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	4.56E-04	--	--	--	--	--	--	--	9.23E-09	--	--	3.57E-06	--	--	--
LA	LA-TA-50-14	0.42	2.96E-02	--	--	--	5.44E-06	1.56E-04	1.54E-02	--	--	--	--	--	6.94E-11	3.43E-09	--	5.29E-09	1.30E-06	6.15E-09	--	--
LA	LA-TA-50-15	142.15	8.51E+00	--	--	1.58E-04	1.55E-03	1.28E+01	3.68E+01	7.93E+00	5.34E-07	5.36E-04	--	9.94E-05	1.96E-08	2.77E-04	1.00E-12	1.50E-06	1.05E-01	1.65E-03	9.84E-05	1.47E-07
LA	LA-TA-50-16	13.23	2.76E-01	7.91E-03	--	1.02E-06	3.62E-03	1.72E-01	6.27E-01	8.88E-02	3.93E-08	8.68E-06	--	--	1.11E-07	3.29E-06	1.02E-14	6.13E-06	1.29E-03	2.43E-07	1.05E-06	5.12E-13
LA	LA-TA-50-17	329.02	2.40E+02	3.97E-09	--	2.01E-05	4.35E-02	2.26E+00	4.30E+02	--	1.03E-08	1.95E-06	--	5.26E-07	4.52E-04	2.58E-04	--	1.23E-02	7.70E-02	8.12E-03	--	1.80E-05
LA	LA-TA-50-18	100.26	5.90E+01	--	--	--	1.11E-02	1.04E+00	2.96E+02	8.95E-02	1.28E-09	--	--	--	7.56E-04	2.50E-05	1.14E-14	2.00E-02	9.23E-03	1.33E-04	1.12E-06	--
LA	LA-TA-50-19	897.31	1.46E+02	6.46E-05	--	2.50E-07	2.78E-02	4.13E+00	2.67E+02	1.28E+00	1.03E-07	1.35E-04	--	1.92E-07	3.74E-07	1.03E-04	1.64E-13	2.78E-05	3.77E-02	2.39E-04	1.60E-05	1.20E-05
LA	LA-TA-50-20	0.62	3.15E-03	--	--	--	5.83E-07	--	5.97E-03	--	--	--	--	--	7.51E-12	--	--	5.69E-10	--	2.40E-09	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	5.99E-04	--	--	--	--	--	--	--	--	--	--	2.39E-10	--	--
LA	LA-TA-50-41	35.91	1.04E-01	--	--	--	1.84E-05	2.12E-03	1.58E+00	3.58E-01	3.61E-08	2.15E-05	--	--	2.21E-10	4.11E-08	4.15E-14	1.73E-08	1.61E-05	6.13E-07	4.25E-06	1.27E-12
LA	LA-TA-54-01	18.90	3.04E-02	1.11E-05	--	2.01E-07	6.94E-06	3.43E-02	9.36E-02	1.90E-02	3.32E-09	1.14E-06	--	--	1.10E-10	5.78E-07	2.06E-15	7.66E-09	2.35E-04	5.05E-07	2.18E-07	6.52E-14
LA	LA-TA-55-01	1.04	5.04E-01	--	--	--	8.72E-05	2.50E-01	4.34E+00	1.00E+00	1.30E-07	6.01E-05	--	--	1.01E-09	4.51E-06	1.12E-13	8.08E-08	1.80E-03	1.66E-06	1.17E-05	3.50E-12
LA	LA-TA-55-02	1.87	7.18E-01	6.63E-06	--	--	1.39E-04	9.09E-03	6.18E+00	1.42E+00	1.73E-07	8.46E-05	--	--	1.90E-09	2.99E-06	1.60E-13	1.40E-07	8.78E-04	3.58E-05	1.67E-05	3.39E-05
LA	LA-TA-55-03	65.14	4.15E+01	6.00E-04	--	2.42E-10	8.10E-03	5.25E+01	2.79E+02	6.77E+01	1.80E-05	3.39E-01	2.01E-07	1.89E-10	1.11E-07	1.12E-03	7.64E-12	8.20E-06	4.29E-01	2.54E-04	7.93E-04	1.85E-06
LA	LA-TA-55-04	22.97	3.15E+00	7.72E-04	6.83E-09	--	5.61E-04	7.97E-01	2.62E+01	6.11E+00	8.12E-07	4.90E-03	--	--	6.78E-09	1.44E-05	6.85E-13	5.30E-07	5.75E-03	1.86E-05	7.13E-05	2.51E-06
LA	LA-TA-55-05	140.52	2.23E+01	2.63E-04	3.71E-08	2.03E-10	4.00E-03	1.27E+02	1.48E+02	3.57E+01	1.80E-05	1.20E-01	9.07E-08	1.59E-10	4.91E-08	2.43E-03	4.04E-12	3.81E-06	9.56E-01	6.24E-04	4.19E-04	2.54E-05
LA	LA-TA-55-06	1.04	2.02E-01	--	--	--	3.50E-05	2.46E-03	1.73E+00	4.01E-01	5.20E-08	2.43E-05	--	--	4.08E-10	4.45E-08	4.50E-14	3.25E-08	1.78E-05	8.57E-07	4.69E-06	2.59E-09
LA	LA-TA-55-07	10.40	7.95E+00	2.56E-05	--	2.63E-11	1.42E-03	5.31E+00	4.37E+01	1.07E+01	1.80E-06	1.83E-01	1.87E-07	2.06E-11	1.72E-08	9.73E-05	1.21E-12	1.34E-06	3.87E-02	1.42E-04	1.25E-04	9.30E-07
LA	LA-TA-55-08	25.78	1.58E+00	--	--	--	2.79E-04	4.33E+00	1.33E+01	3.08E+00	8.37E-06	2.15E-04	--	--	3.34E-09	1.15E-04	3.47E-13	2.62E-07	4.20E-02	5.11E-06	3.61E-05	1.26E-11
LA	LA-TA-55-09	6.24	2.60E+00	6.11E-06	--	--	4.53E-04	2.07E+01	1.75E+01	4.18E+00	6.24E-07	1.87E-02	8.86E-10	--	5.32E-09	4.61E-04	4.71E-13	4.22E-07	1.75E-01	1.82E-05	4.90E-05	7.07E-05
LA	LA-TA-55-10	3.74	1.69E+00	2.74E-06	--	1.34E-11	3.02E-04	3.80E+00	1.11E+01	2.63E+00	4.20E-07	1.36E-02	--	1.05E-11	3.68E-09	6.95E-05	2.95E-13	2.87E-07	2.77E-02	1.07E-05	3.08E-05	7.91E-10
LA	LA-TA-55-11	2.91	4.05E-01	1.31E-06	--	--	8.19E-05	1.92E+00	3.19E+00	7.43E-01	1.31E-07	4.45E-04	--	--	1.16E-09	3.29E-05	8.11E-14	8.46E-08	1.33E-02	2.76E-06	8.57E-06	2.56E-11
LA	LA-TA-55-12	6.90	3.34E-01	--	--	--	6.11E-05	2.01E+01	7.34E-01	2.46E-01	1.52E-05	1.26E-04	--	--	7.73E-10	3.93E-04	2.74E-14	5.92E-08	1.54E-01	2.30E-04	2.87E-06	8.75E-07
LA	LA-TA-55-14	641.77	3.34E+04	--	--	--	5.82E+00	1.14E+02	7.99E+03	1.94E+03	2.71E-04	6.42E+00	4.86E-06	--	6.85E-05	2.11E-03	2.19E-10	5.43E-03	8.37E-01	1.21E-02	2.27E-02	3.80E-03
LA	LA-TA-55-15	18.30	6.62E+01	--	--	--	1.15E-02	5.11E+01	5.28E+02	1.25E+02	1.63E-05	9.40E-03	--	--	1.35E-07	9.33E-04	1.41E-11	1.07E-05	3.71E-01	2.03E-04	1.47E-03	5.49E-10
LA	LA-TA-55-17B	22.24	5.94E-01	--	--	--	1.02E-04	2.74E-01	5.11E+00	1.18E+00	1.68E-07	7.06E-05	--	--	1.17E-09	4.83E-06	1.31E-13	9.41E-08	1.94E-03	1.94E-06	1.37E-05	4.09E-12
LA	LA-TA-55-18	2.50	5.76E-01	--	--	--	1.04E-04	6.10E+00	1.81E+01	1.87E+00	1.44E-07	5.45E-03	5.07E-09	--	1.30E-09	1.28E-04	2.24E-13	1.00E-07	4.90E-02	7.18E-06	2.26E-05	3.29E-10
LA	LA-TA-55-19	4612.83	6.55E+02	7.47E-03	1.08E-07	1.25E-09	1.26E-01	7.89E+02	4.71E+03	1.32E+03	1.37E-04	3.43E+00	2.95E-06	3.60E-10	3.06E-03	1.87E-02	3.25E-08	8.23E-02	6.93E+00	1.18E-02	1.73E-02	7.85E-03
LA	LA-TA-55-19.01-S	81.42	4.72E+01	4.22E-03	--	1.51E-10	1.19E-02	1.03E+00	2.47E+02	5.91E+01	8.00E-06	1.66E-01	--	--	2.06E-07	4.51E-04	6.52E-12	1.38E-05	1.25E-01	3.20E-04	6.85E-04	3.86E-04
LA	LA-TA-55-19.02-S	228.99	2.65E+02	7.48E-02	--	9.13E-08	6.62E-02	1.04E+01	8.08E+02	2.19E+02	4.18E-05	1.24E+00	--	6.52E-08	1.60E-04	4.60E-03	2.06E-05	4.61E-03	8.75E-01	1.26E-03	2.53E-03	1.53E-03
LA	LA-TA-55-20	55.14	2.49E+01	3.95E-04	--	1.80E-10	5.90E-03	9.23E+01	1.87E+02	4.59E+01	6.42E-06	3.99E-01	1.51E-07	1.40E-10	9.93E-08	1.91E-03	5.50E-12	6.71E-06	7.36E-01	5.83E-04	5.55E-04	8.93E-05
LA	LA-TA-55-21	174.32	7.02E+01	7.94E-05	--	2.93E-11	1.30E-02	1.35E+02	6.77E+02	1.80E+02	1.27E-05	2.00E-01	1.60E-07	2.07E-11	1.68E-07	3.15E-03	2.40E-11	1.27E-05	1.17E+00	9.43E-04	2.29E-03	3.02E-03
LA	LA-TA-55-22	88.96	1.32E+01	6.63E-05	2.40E-07	5.51E-10	2.39E-03	1.40E+02	8.91E+01	2.14E+01	2.72E-06	2.05E-02	1.88E-08	1.10E-10	2.96E-08	2.73E-03	2.51E-12	2.29E-06	1.07E+00	4.86E-05	2.56E-04	6.62E-06
LA	LA-TA-55-23	34.32	1.93E+01	1.96E-05	--	--	3.58E-03	9.18E+00	2.08E+02	5.23E+01	3.74E-06	6.03E-03	--	--	4.65E-08	2.01E-04	6.42E-12	3.51E-06	7.62E-02	1.01E-04	6.39E-04	4.24E-07
LA	LA-TA-55-24	5.20	2.08E+00	6.17E-05	--	--	6.18E-04	4.38E+00	2.16E+01	5.03E+00	5.80E-07	3.88E-04	--	--	1.21E-08	8.85E-05	6.03E-13	7.73E-07	3.43E-02	1.55E-04	6.08E-05	3.16E-05
LA	LA-TA-55-25	15.65	1.08E+01	4.74E-05	--	--	2.01E-03	3.16E+01	1.38E+02	2.93E+01	2.25E-06	1.68E-01	1.58E-07	--	2.60E-08	6.69E-04	3.53E-12	1.97E-06	2.56E-01	5.48E-05	3.55E-04	1.01E-08
LA	LA-TA-55-26	2.29	2.34E+00	--	--	--	4.16E-04	5.78E+00	1.77E+00	6.69E-01	3.11E-07	9.04E-02	8.57E-08	--	5.04E-09	1.12E-04	7.74E-14	3.94E-07	4.38E-02	6.87E-07	7.94E-06	5.35E-09
LA	LA-TA-55-27	0.42	1.63E-03	--	--	--	2.97E-07	3.14E-05	2.51E-02	5.69E-03	3.72E-10	3.43E-07	--	--	3.75E-12	6.74E-10	6.90E-16	2.87E-10	2.57E-07	9.98E-09	6.92E-08	2.07E-14
LA	LA-TA-55-28	1.04	1.74E-01	--	--	--	3.06E-05	3.47E-03	4.73E+00	5.70E-01	6.63E-08	3.42E-05	--	--	3.64E-10	6.56E-08	6.53E-14	2.87E-08	2.59E-05	1.83E-06	6.73E-06	2.01E-12
LA	LA-TA-55-29	8.32	2.00E+00	--	--	--	3.52E-04	1.13E+02	5.00E+00	1.67E+00	6.56E-07	4.75E-02	3.62E-08	--	4.18E-09	2.13E-03	1.91E-13	3.30E-07	8.41E-01	1.93E-06	1.97E-05	2.79E-09
LA	LA-TA-55-30	2262.94	1.26E+03	9.68E-03	--	1.21E-09	2.39E-01	1.71E+03	8.61E+03	2.27E+03	2.02E-04	8.83E+00	7.74E-06	9.22E-10	7.77E-05	3.87E-02	6.96E-07	2.16E-03	1.45E+01	1.06E-02	2.81E-02	7.92E-02
LA	LA-TA-55-30-S	95.32	7.86E+01	6.28E-03	--	1.36E-06	2.11E-02	2.30E+00	2.44E+02	6.69E+01	1.08E-05	5.98E-02	--	1.04E-06	3.34E-04	7.26E-05	3.28E-05	9.50E-03	2.56E-02	3.08E-04	7.73E-04	5.58E-04
LA	LA-TA-55-31	76.03	4.81E+01	8.46E-06	--	--	8.63E-03	2.15E+00	4.73E+02	1.19E+02	1.35E-05	1.05E+00	9.89E-07	--	1.06E-07	6.24E-05	1.45E-11	8.23E-06	2.21E-02	3.62E-04	1.45E-03	1.59E-05
LA	LA-TA-55-32	8.36	4.37E+00	--	--	--	7.97E-04	1.44E+02	2.06E+01	5.73E+00	6.68E-07	1.51E-02	1.31E-08	--	1.01E-08	3.09E-03	8.99E-13	7.71E-07	1.18E+00	8.40E-05	8.00E-05	7.06E-07
LA	LA-TA-55-33	2.50	2.18E-01	--	--	--	3.99E-05	4.35E-03	8.47E-01	4.01E-01	4.52E-08	1.26E-04	--	--	5.09E-10	9.54E-08	4.91E-14	3.88E-08	3.61E-05	3.38E-07	4.90E-06	7.69E-12
LA	LA-TA-55-34	70.51	2.02E+02	--	--	--	3.68E-02	3.06E+00	1.81E+03	4.42E+02	3.18E-05	1.42E-01	9.66E-08	--	3.56E-04	1.15E-04	5.40E-11	9.66E-03	3.87E-02	1.28E-03	5.39E-03	2.80E-02
LA	LA-TA-55-35	1.46	5.99E+01	--	--	--	1.06E-02	5.32E-02	2.99E+01	6.92E+00	6.91E-07	8.65E-03	7.78E-09	--	1.28E-07	1.71E-06	8.20E-13	1.00E-05	5.97E-04	1.76E-05	8.31E-05	5.61E-08
LA	LA-TA-55-36	78.02	4.13E+03	--	--	--	7.38E-01	1.57E+01	1.10E+03	2.58E+02	2.49E-05	5.80E-01	4.76E-07	--	9.01E-06	3.70E-04	3.04E-11	7.01E-04	1.38E-01	1.07E-03	3.09E-03	1.85E-02
LA	LA-TA-55-37	3.33	3.33E+01	--	--	--	5.82E-03	4.89E-02	2.00E+01	5.39E+00	8.67E-07	6.77E-04	--	--	6.88E-08	1.30E-04	6.14E-13	5.44E-06	3.73E-02	1.53E-03	6.35E-05	4.50E-02
LA	LA-TA-55-38	374.82	5.16E+03	3.84E-01	--	--	9.51E-01	1.37E+02	6.49E+03	1.74E+03	1.34E-04	1.83E+00	1.44E-06	--	3.59E-03	3.71E-03	2.30E-03	9.72E-02	1.33E+00	9.57E-03	2.17E-02	2.71E-01
LA	LA-TA-55-39	69.26	2.28E+02	--	--	--	4.16E-02	5.15E+00	3.35E+03	7.66E+02	5.20E-05	2.72E-01	2.07E-07	--	5.24E-07	1.11E-04	9.28E-11	4.02E-05	4.21E-02	1.34E-03	9.30E-03	5.36E-08
LA	LA-TA-55-40	1.25	6.24E+01	--	--	--	1.11E-02	4.07E-02	2.25E+01	5.30E+00	5.11E-07	4.96E-03	4.35E-09	--	1.35E-07	8.05E-07	6.20E-13	1.05E-05	3.14E-04	8.79E-06	6.33E-05	2.95E-10

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-41	18.95	8.21E+02	--	--	--	1.46E-01	1.00E+00	3.62E+02	8.52E+01	1.11E-05	3.71E-01	3.46E-07	--	1.78E-06	1.98E-05	9.96E-12	1.38E-04	7.71E-03	1.41E-04	1.02E-03	2.20E-08
LA	LA-TA-55-42	0.62	1.36E-01	--	--	--	2.38E-05	1.15E+01	1.44E-01	7.10E-02	4.44E-08	5.98E-05	--	--	2.80E-10	2.12E-04	8.04E-15	2.22E-08	8.41E-02	5.53E-08	8.34E-07	3.50E-12
LA	LA-TA-55-43	13.82	1.28E+00	1.89E-06	--	--	2.43E-04	2.94E+01	9.30E+00	2.59E+00	2.58E-07	6.04E-04	--	--	3.24E-09	6.66E-04	1.50E-06	2.42E-07	2.50E-01	3.79E-06	3.15E-05	3.67E-11
LA	LA-TA-55-43.01-S	190.89	3.84E-01	1.39E-05	--	--	1.04E-04	2.72E+01	4.61E-01	7.34E-01	7.17E-08	5.33E-04	--	--	1.89E-09	6.02E-04	4.58E-06	1.24E-07	2.28E-01	1.76E-07	8.55E-06	3.10E-11
LA	LA-TA-55-44	0.42	3.36E-02	--	--	--	5.71E-06	7.83E-04	3.12E-01	8.44E-02	1.94E-08	1.26E-05	--	--	6.46E-11	1.33E-08	9.22E-15	5.22E-09	5.42E-06	1.18E-07	9.73E-07	7.22E-13
LA	LA-TA-55-46	0.21	5.30E-05	--	--	--	9.53E-09	3.68E-03	5.03E-05	2.49E-05	9.54E-12	2.08E-08	--	--	1.18E-13	7.54E-08	2.96E-18	9.11E-12	2.91E-05	1.98E-11	2.99E-10	1.25E-15
LA	LA-TA-55-47	2.10	1.89E-03	--	--	--	3.31E-07	6.58E-03	2.77E-02	6.32E-03	7.17E-10	4.12E-07	--	--	3.94E-12	1.24E-07	7.23E-16	3.10E-10	4.91E-05	1.07E-08	7.46E-08	2.43E-14
LA	LA-TA-55-50	2.93	2.68E-02	--	--	--	4.64E-06	1.24E-01	1.64E-01	4.23E-02	6.94E-09	5.05E-06	--	--	5.39E-11	2.24E-06	4.74E-15	4.30E-09	8.94E-04	6.28E-08	4.94E-07	2.94E-13
LA	LA-TA-55-53	11.86	3.85E+01	--	--	--	6.61E-03	4.94E-01	3.01E+02	7.23E+01	1.14E-05	5.47E-03	--	--	7.56E-08	8.62E-06	7.98E-12	6.07E-06	3.48E-03	1.14E-04	8.38E-04	3.16E-10
LA	LA-TA-55-54	1.04	1.14E+00	--	--	--	2.08E-04	3.14E-01	7.95E+00	2.17E+00	1.79E-07	3.23E-04	--	--	2.64E-09	6.80E-06	2.65E-13	2.02E-07	2.58E-03	3.17E-06	2.65E-05	1.96E-11
LA	LA-TA-55-56	9.36	2.02E+01	1.17E-04	--	6.36E-11	4.17E-03	1.10E+00	1.60E+02	3.85E+01	2.53E-06	2.83E-03	--	4.92E-11	6.24E-08	2.64E-05	4.64E-12	4.42E-06	9.77E-03	1.10E-04	4.67E-04	3.17E-07
LA	LA-TA-55-60	128.52	4.70E+00	--	--	--	4.56E-03	5.04E-01	1.26E+01	4.22E+00	8.23E-07	4.03E-01	3.82E-07	--	1.33E-07	1.12E-05	5.20E-13	7.34E-06	4.22E-03	5.04E-06	5.17E-05	3.78E-07
LA	LA-TA-55-61	198.45	4.53E+00	--	--	--	8.28E-04	2.69E+00	2.53E+01	8.38E+00	9.17E-07	1.78E-02	1.50E-08	--	1.05E-08	5.83E-05	1.02E-12	8.02E-07	2.22E-02	1.01E-05	1.02E-04	1.08E-09
LA	LA-TA-55-62	43.47	2.73E-01	--	--	--	5.01E-05	5.91E-03	9.71E-01	4.53E-01	5.67E-08	1.56E-04	--	--	6.39E-10	1.30E-07	5.54E-14	4.87E-08	4.91E-05	3.88E-07	5.53E-06	9.51E-12
LA	LA-TA-55-63	3.78	1.51E-02	--	--	--	2.71E-06	2.98E-04	2.30E-01	5.23E-02	4.14E-09	3.15E-06	--	--	3.35E-11	6.10E-09	6.21E-15	2.59E-09	2.35E-06	9.06E-08	6.29E-07	1.88E-13
LB	LB-T001	1.82	3.95E-02	7.89E-04	--	--	2.98E-04	9.78E-06	3.43E-03	8.21E-04	1.91E-04	7.45E-05	2.51E-11	--	1.85E-04	1.60E-08	9.09E-09	5.27E-03	9.32E-06	3.58E-08	9.49E-09	8.55E-03
LL	BLCHDN.001-S	1.66	6.01E-02	2.16E-03	1.10E-07	--	9.04E-04	4.47E-03	2.87E-05	5.85E-04	6.81E-04	--	--	--	2.60E-08	7.45E-08	6.32E-17	1.49E-06	3.05E-05	6.34E-12	6.70E-09	--
LL	LL-M001	346.58	5.52E+02	2.87E-01	5.53E-04	1.11E-04	1.09E-01	3.17E+01	5.08E+02	1.86E+02	4.02E-02	1.04E-01	4.46E-08	1.25E-09	1.44E-02	8.16E-04	5.06E-06	3.81E-01	2.13E-01	9.14E-04	2.12E-03	2.16E-03
LL	LL-M001-S5400-S	143.14	1.99E+02	1.31E-02	1.71E-05	3.47E-09	1.06E-01	1.83E+01	5.92E+02	1.62E+02	2.88E-03	3.16E-02	--	2.62E-09	2.49E-06	3.68E-04	1.75E-11	1.51E-04	1.43E-01	7.18E-04	1.85E-03	3.54E-03
LL	LL-T004	1.25	1.09E+01	--	9.79E-10	--	1.89E-03	7.87E-02	3.90E+00	1.85E+00	3.41E-07	1.20E-03	--	--	2.22E-08	1.28E-06	1.97E-13	1.76E-06	5.27E-04	1.46E-06	2.11E-05	6.81E-11
LL	LL-W018a	590.42	5.65E+03	1.31E-03	6.42E-08	3.44E-04	9.48E-01	8.71E+01	7.82E+01	4.04E-01	1.00E+01	1.98E-05	3.71E-18	8.30E-04	2.25E-02	1.48E-03	4.32E-14	6.49E-01	6.00E-01	8.52E-05	4.61E-06	3.68E-03
LL	LL-W018b	34.76	1.29E+00	--	7.71E-10	--	2.17E-04	6.71E-03	1.39E+00	4.04E-01	1.63E-07	8.96E-05	--	--	2.40E-09	1.09E-07	4.32E-14	1.96E-07	4.49E-05	5.22E-07	4.61E-06	5.10E-12
LL	LL-W019	15.81	2.25E+01	2.17E-06	9.24E-09	4.74E-09	5.15E-03	1.10E+00	6.43E+01	1.78E+01	3.70E-06	3.74E-03	--	3.65E-09	3.64E-02	1.85E-05	1.90E-12	1.05E+00	7.54E-03	6.17E-04	2.03E-04	1.18E-03
MC	MC-W001	0.21	--	--	--	--	3.95E-05	--	5.00E-03	--	--	--	--	--	1.30E-09	--	--	6.95E-08	--	2.00E-09	--	--
NT	NT-JAS-01	2830.77	3.38E+02	--	--	--	5.73E-02	9.88E+00	2.78E+02	2.18E+02	7.88E-05	--	--	--	6.45E-07	1.66E-04	2.37E-11	5.22E-05	6.78E-02	1.05E-04	2.51E-03	--
NT	NTLBL-S5400-S	1.66	6.38E-01	5.60E-03	5.05E-07	8.73E-09	7.83E-04	7.50E-03	6.65E-01	1.49E-01	4.17E-05	2.11E-05	--	6.71E-09	2.07E-08	1.24E-07	1.60E-14	1.21E-06	5.06E-05	2.49E-07	1.70E-06	1.21E-12
NT	NTLRC-S5400-S	3.12	3.26E+00	3.39E-05	--	1.89E-10	7.91E-04	2.95E-02	7.12E+00	2.54E+00	4.60E-07	2.93E-04	--	1.45E-10	1.31E-08	1.55E-05	2.73E-13	8.96E-07	4.63E-03	1.51E-04	2.90E-05	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	2.91E+00	8.86E-07	--	--	5.29E-04	4.87E-02	2.40E+01	5.30E+00	5.92E-07	4.30E-04	--	--	2.07E-04	3.86E-06	5.69E-13	5.93E-03	1.23E-03	2.69E-05	6.06E-05	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	3.06E+00	--	--	--	5.46E-04	6.14E-02	3.84E+01	6.92E+00	8.90E-07	5.25E-04	--	--	6.61E-09	1.20E-06	7.44E-13	5.17E-07	4.71E-04	1.44E-05	7.92E-05	2.84E-05
NT	NT-RF-METAL-S	6.03	6.71E-01	2.62E-06	--	--	1.24E-04	1.09E-02	6.66E+00	1.60E+00	2.10E-07	1.35E-04	--	--	1.58E-09	1.52E-04	1.72E-13	1.21E-07	4.47E-02	2.99E-05	1.83E-05	2.23E-02
NT	NTS54332R0-S	307.24	8.63E+01	1.25E-02	1.65E-06	4.01E-08	2.88E-02	1.28E+00	3.65E+02	9.29E+01	2.34E-04	1.04E-02	--	3.14E-08	7.58E-03	1.16E-04	1.00E-11	2.17E-01	3.65E-02	1.00E+00	1.06E-03	1.01E-02
NT	NTS54COMR0-S	50.35	2.10E+01	2.02E-02	1.39E-05	1.39E-08	8.39E-03	1.10E+00	5.07E+01	1.18E+01	7.72E-04	1.84E-03	--	1.07E-08	9.11E-03	2.52E-05	1.27E-12	2.61E-01	9.49E-03	3.21E-05	1.35E-04	8.79E-04
NT	NTS54MIX1R0-S	0.42	2.30E-03	9.24E-05	--	1.24E-08	1.18E-06	2.07E-05	2.86E-02	6.69E-03	3.11E-10	6.82E-07	--	--	2.75E-11	3.52E-10	7.31E-16	1.66E-09	1.43E-07	1.08E-08	7.71E-08	3.92E-14
NT	NT-W001	291.38	7.87E+01	5.60E-01	4.97E-07	1.98E-06	1.64E-02	3.05E+00	1.31E+03	8.50E+00	1.22E-04	4.13E-02	4.75E-07	5.13E-09	3.12E-02	7.09E-05	1.01E-12	8.54E-01	2.65E-02	5.64E-04	1.02E-04	7.31E-05
NT	NT-W021	9.58	5.59E+00	--	--	--	1.00E-03	8.00E-02	5.39E+01	1.20E+01	1.53E-06	1.10E-03	--	--	1.24E-08	1.09E-04	1.42E-12	9.60E-07	3.07E-02	5.97E-04	1.44E-04	2.97E-02
OR	OR-W201	2083.28	8.90E+03	1.12E+00	3.69E-04	2.17E-03	1.93E+00	3.63E+02	2.95E+03	3.91E+03	7.04E-02	2.04E+00	4.65E-07	8.89E-03	4.83E+00	2.14E-01	1.08E-03	1.32E+02	6.05E+01	1.13E-02	7.69E-01	1.75E-01
OR	OR-W202	720.66	2.80E+02	5.14E+00	1.06E-03	9.94E-05	9.56E-01	1.08E+02	2.10E+02	1.93E+02	2.24E-03	2.09E-01	1.24E-05	1.89E-04	3.50E+00	7.78E-03	1.37E-03	9.54E+01	8.99E-01	4.51E-03	2.42E-03	2.74E-02
OR	OR-W203	386.56	2.50E+00	2.40E-01	2.32E-04	2.14E-03	4.19E-04	1.34E-01	5.01E-02	3.31E+00	8.21E-05	3.47E-02	2.34E-08	1.22E-02	4.64E-09	2.18E-06	3.54E-13	3.78E-07	8.97E-04	1.82E-08	3.78E-05	1.92E-09
OR	OR-W204	18.10	8.06E-02	3.05E-04	6.93E-07	3.30E-05	1.45E-05	1.05E-02	1.55E-01	9.78E-02	1.64E-04	6.73E-07	--	3.16E-06	3.85E-03	7.32E-07	1.18E-14	1.05E-01	2.28E-04	1.98E-05	1.18E-06	1.50E-04
OR	OR-W205	101.71	8.20E+01	--	--	--	1.48E-02	1.12E+00	2.84E+02	1.22E+02	7.58E-06	9.76E-03	--	--	2.97E-04	2.08E-02	7.35E-06	8.10E-03	5.81E+00	5.76E-04	1.47E-03	6.02E-03
RF	RF001.01-S	979.16	1.03E+03	1.14E-03	--	--	2.27E-01	7.43E+00	3.33E+03	7.51E+02	1.51E-04	1.18E-01	--	--	2.66E-03	8.14E-04	8.29E-11	7.55E-02	2.51E-01	1.08E-02	8.71E-03	2.21E-03
RF	RF002.01-S	1461.40	1.03E+03	1.02E-03	--	5.25E-08	1.86E-01	1.10E+01	4.36E+03	9.98E+02	2.45E-04	1.23E-01	--	--	7.71E-04	6.31E-04	1.10E-10	2.20E-02	2.06E-01	8.65E-03	1.15E-02	2.83E-01
RF	RF003.01-S	355.39	1.89E+03	--	--	--	3.29E-01	2.67E+01	1.26E+04	2.95E+03	4.76E-04	2.93E-01	--	--	3.59E-04	5.17E-04	3.25E-10	1.04E-02	2.03E-01	5.26E-03	3.42E-02	1.30E-03
RF	RF004.01-S	282.97	1.70E+02	8.53E-07	--	--	3.02E-02	1.66E+00	6.79E+02	1.53E+02	4.13E-05	1.91E-02	--	--	3.63E-07	9.84E-05	1.67E-11	2.85E-05	3.20E-02	9.17E-04	1.76E-03	7.54E-04
RF	RF005.01-S	119.39	3.04E+03	--	--	--	5.28E-01	1.05E+01	4.73E+03	1.18E+03	1.06E-04	1.01E-01	--	--	6.15E-06	1.87E-04	1.32E-10	4.90E-04	7.51E-02	1.89E-03	1.38E-02	5.87E-09
RF	RF005.02-S	78.42	3.61E+03	--	--	--	6.23E-01	6.20E+00	2.87E+03	7.33E+02	5.85E-05	6.45E-02	--	--	7.21E-06	1.12E-04	8.13E-11	5.76E-04	4.46E-02	1.11E-03	8.52E-03	1.75E-07
RF	RF006.01-S	235.66	1.51E+03	--	--	--	2.70E-01	2.34E+01	9.12E+03	2.14E+03	3.97E-04	2.97E-01	--	--	3.30E-06	4.64E-04	2.46E-10	2.56E-04	1.81E-01	3.73E-03	2.53E-02	1.40E-06
RF	RF008.01-S	97.15	7.20E+02	--	--	--	1.37E-01	1.00E+01	3.36E+03	8.94E+02	1.41E-04	1.36E-01	--	--	1.82E-06	1.78E-04	9.92E-11	1.36E-04	7.15E-02	1.31E-03	1.04E-02	8.31E-08
RF	RF009.01-S	1326.87	3.84E+04	--	--	--	6.93E+00	9.97E+01	5.44E+04	1.31E+04	1.25E-03	1.36E+00	--	--	8.56E-05	1.77E-03	1.45E-09	6.63E-03	7.11E-01	2.10E-02	1.52E-01	2.79E-06
RF	RF010.01-S	629.55	1.12E+03	3.96E-05	--	--	1.97E-01	1.28E+01	6.19E+03	1.40E+03	2.45E-04	1.59E-01	--	--	2.34E-06	6.45E-04	1.54E-10	1.85E-04	2.13E-01	6.33E-03	1.62E-02	3.58E-03
RF	RF011.01-S	79.52	1.94E+02	--	--	--	3.32E-02	3.20E+00	1.47E+03	3.44E+02	5.18E-05	3.06E-02	--	--	3.81E-07	5.70E-05	3.75E-11	3.06E-05	2.29E-02	5.79E-04	3.96E-03	4.21E-06
RF	RF015.01-S	1.66	3.68E+00	--	--	--	7.07E-04	4.84E-02	1.86E+01	4.21E+00	1.28E-06	5.81E-04	--	--	9.43E-09	8.25E-07	4.60E-13	7.05E-07	3.35E-04	7.01E-06	4.85E-05	3.34E-11
RF	RF029.01-S	4346.98	1.85E+03	1.40E-03	--	4.40E-09	3.36E-01	1.88E+01	6.78E+03	1.58E+03	5.08E-04	2.21E-01	4.26E-15	2.31E-11	4.18E-06	5.95E-04	1.72E-10	3.23E-04	2.10E-01	5.19E-03	1.82E-02	1.26E-03
RF	RF031.01-S	20.59	9.32E+00	--	--	--	1.62E-03	1.19E-01	4.76E+01	1.07E+01	3.17E-06	1.32E-03	--	--	1.89E-08	5.02E-06	1.16E-12	1.50E-06	1.70E-03	4.71E-05	1.23E-04	4.10E-05
RF	RF032.01-S	209.25	1.60E+03	--	--	--	2.95E-01	1.59E+01	8.53E+03	1.94E+03	2.49E-04	1.51E-01	--	--	3.74E-06	2.81E-04	2.13E-10	2.86E-04	1.13E-01	3.29E-03	2.25E-02	5.13E-07
RF	RF033.01-S	25.58	1.16E+02	--	--	--	2.03E-02	1.77E+00	7.91E+02	1.79E+02	3.86E-05	1.84E-02	--	--	2.42E-07	3.13E-05	1.96E-11	1.91E-05	1.26E-02	3.09E-04	2.06E-03	6.00E-05
RF	RF036.01-S	44.10	5.15E+01	7.86E-05	--	--	9.03E-03	6.90E-01	2.62E+02	5.94E+01	1.98E-05	8.17E-03	--	--	1.07E-07	1.99E-05	6.41E-12	8.44E-06	7.16E-03	2.09E-04	6.81E-04	2.98E-03
RF	RF101.01-S	174.96	3.18E+02	1.02E-03	--	--	5.59E-02	4.13E+00	1.67E+03	3.80E+02	9.35E-05	4.61E-02	--	--	6.66E-07	2.13E-04	4.15E-11	5.25E-05	7.01E-02	1.98E-03	4.38E-03	8.53E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF101.29-S	30.39	2.82E+01	--	--	--	4.95E-03	3.94E-01	1.55E+02	3.50E+01	8.09E-06	4.23E-03	--	--	5.89E-08	2.57E-05	3.84E-12	4.64E-06	8.25E-03	2.38E-04	4.04E-04	2.04E-04
RF	RF101.30-S	117.41	2.55E+02	3.03E-04	--	--	4.55E-02	1.98E+00	8.69E+02	1.99E+02	4.08E-05	2.54E-02	--	--	5.54E-07	9.04E-05	2.18E-11	4.32E-05	3.02E-02	8.59E-04	2.30E-03	1.85E-04
RF	RF101.31-S	62.53	5.22E+01	1.32E-05	--	--	9.16E-03	5.39E-01	2.31E+02	5.34E+01	1.04E-05	8.24E-03	--	--	1.09E-07	2.87E-05	5.89E-12	8.57E-06	9.41E-03	2.70E-04	6.18E-04	8.29E-05
RF	RF101.35-S	79.56	1.78E+02	--	--	--	3.21E-02	1.52E+00	6.31E+02	1.43E+02	3.41E-05	2.08E-02	--	--	3.95E-07	3.16E-04	1.57E-11	3.06E-05	9.50E-02	2.96E-03	1.65E-03	2.19E-04
RF	RF102.01-S	223.63	1.36E+02	1.92E-04	--	1.66E-06	2.43E-02	1.51E+00	5.67E+02	1.31E+02	3.89E-05	1.77E-02	--	--	2.98E-07	3.98E-05	1.43E-11	2.32E-05	1.46E-02	3.50E-04	1.51E-03	3.99E-04
RF	RF102.31-S	124.09	1.01E+02	1.86E-05	--	--	1.80E-02	7.01E-01	2.72E+02	6.25E+01	1.72E-05	8.45E-03	--	--	2.20E-07	3.90E-05	6.82E-12	1.71E-05	1.28E-02	3.78E-04	7.20E-04	2.14E-03
RF	RF104.01-S	54.38	9.06E+01	2.20E-04	--	--	1.62E-02	8.24E-01	4.05E+02	9.26E+01	1.77E-05	9.37E-03	--	--	1.98E-07	1.68E-05	1.01E-11	1.54E-05	6.50E-03	1.81E-04	1.06E-03	1.40E-04
RF	RF107.01-S	63.44	1.45E+03	--	--	--	2.60E-01	4.85E-01	1.89E+02	4.25E+01	1.40E-05	5.79E-03	--	--	3.15E-06	6.66E-05	4.59E-12	2.46E-04	2.05E-02	1.18E-03	4.88E-04	5.98E-02
RF	RF107.03-S	60.94	1.02E+01	--	--	--	1.83E-03	5.94E-02	2.29E+01	5.17E+00	1.71E-06	7.07E-04	--	--	2.24E-08	2.65E-04	5.59E-13	1.75E-06	7.84E-02	9.13E-03	5.93E-05	6.86E-01
RF	RF107.04-S	110.31	4.04E+01	--	--	--	7.27E-03	2.12E-01	8.24E+01	1.86E+01	6.11E-06	2.53E-03	--	--	8.93E-08	1.07E-05	2.00E-12	6.94E-06	3.56E-03	2.42E-04	2.13E-04	1.54E-02
RF	RF107.05-S	4.37	4.62E+00	--	--	--	8.04E-04	5.21E-02	2.02E+01	4.56E+00	1.50E-06	6.21E-04	--	--	9.40E-09	3.44E-05	4.92E-13	7.47E-07	1.02E-02	3.25E-04	5.22E-05	2.81E-06
RF	RF107.06-S	14.35	5.34E-01	--	--	--	9.08E-05	7.76E-03	3.02E+00	6.81E-01	2.24E-07	9.26E-05	--	--	1.03E-09	8.02E-06	7.36E-14	8.29E-08	2.38E-03	2.64E-04	7.81E-06	2.01E-02
RF	RF107.07-S	58.88	2.29E+02	1.64E-03	--	--	4.09E-02	1.88E+00	7.16E+02	1.62E+02	5.40E-05	2.23E-02	--	--	4.97E-07	4.96E-04	1.75E-11	3.88E-05	1.49E-01	4.69E-03	1.86E-03	2.20E-03
RF	RF110.01-S	9.15	4.53E+01	1.66E-03	--	--	7.84E-03	3.17E-01	1.24E+02	2.81E+01	6.94E-06	6.55E-03	--	--	9.12E-08	8.40E-06	3.07E-12	7.27E-06	3.07E-03	7.67E-05	3.24E-04	1.94E-04
RF	RF110.05-S	31.53	6.54E+01	--	--	--	1.12E-02	1.05E+00	4.57E+02	1.02E+02	1.59E-05	1.03E-02	--	--	1.29E-07	3.50E-05	1.12E-11	1.04E-05	1.22E-02	3.32E-04	1.18E-03	1.67E-05
RF	RF113.01-S	0.42	6.62E-02	--	--	--	1.22E-05	9.31E-04	3.67E-01	8.27E-02	2.48E-08	1.13E-05	--	--	1.54E-10	1.59E-08	9.03E-15	1.18E-08	6.45E-06	1.38E-07	9.53E-07	6.48E-13
RF	RF115.01-S	114.91	3.55E+02	--	--	--	6.15E-02	5.33E+00	2.50E+03	5.66E+02	6.89E-05	4.93E-02	--	--	7.14E-07	9.36E-05	6.18E-11	5.70E-05	3.77E-02	9.76E-04	6.53E-03	6.25E-04
RF	RF116.01-S	3.95	1.41E+01	--	--	--	2.51E-03	1.31E-01	9.69E+01	2.18E+01	1.72E-06	1.51E-03	--	--	3.04E-08	2.23E-06	2.38E-12	2.38E-06	9.04E-04	3.66E-05	2.52E-04	8.71E-11
RF	RF117.01-S	1.87	4.95E+00	--	--	--	8.76E-04	6.28E-02	2.42E+01	5.47E+00	1.67E-06	7.30E-04	--	--	1.05E-08	6.04E-06	5.94E-13	8.24E-07	1.89E-03	5.60E-05	6.29E-05	4.15E-07
RF	RF118.01-S	1432.29	1.09E+04	1.21E-03	--	--	1.92E+00	2.13E+02	6.60E+04	1.73E+04	2.70E-03	2.18E+00	--	--	2.30E-05	4.66E-03	1.90E-09	1.81E-03	1.77E+00	3.39E-02	2.00E-01	2.00E-04
RF	RF119.01-S	24.13	3.36E+01	--	--	--	5.93E-03	3.79E-01	1.45E+02	3.33E+01	1.04E-05	4.46E-03	--	--	7.07E-08	7.92E-06	3.59E-12	5.57E-06	3.05E-03	7.18E-05	3.82E-04	2.13E-04
RF	RF121.01-S	45.97	1.89E+02	--	--	--	3.21E-02	3.28E+00	1.95E+03	4.54E+02	4.31E-05	3.05E-02	--	--	3.62E-07	5.74E-05	4.93E-11	2.93E-05	2.31E-02	7.56E-04	5.21E-03	1.83E-07
RF	RF122.01-S	35.57	1.84E+02	--	--	--	8.76E-02	3.20E+00	1.36E+03	3.17E+02	3.78E-05	3.48E-02	--	--	2.00E-06	5.46E-05	3.46E-11	1.22E-04	2.22E-02	5.13E-04	3.66E-03	2.00E-09
RF	RF122.03-S	4.37	1.96E+01	--	--	--	3.69E-03	3.60E-02	1.41E+01	3.17E+00	1.04E-06	4.30E-04	--	--	4.80E-08	3.14E-05	3.42E-13	3.63E-06	9.29E-03	6.11E-04	3.63E-05	3.39E-02
RF	RF122.04-S	54.08	1.86E+02	--	--	--	3.48E-02	4.11E-01	1.59E+02	3.60E+01	1.18E-05	4.90E-03	--	--	4.50E-07	1.20E-04	3.88E-12	3.42E-05	3.61E-02	3.56E-03	4.12E-04	2.34E-01
RF	RF122.05-S	16.22	2.16E+00	--	--	--	3.75E-04	1.41E-02	5.40E+00	1.22E+00	4.04E-07	1.67E-04	--	--	4.39E-09	6.86E-05	1.32E-13	3.49E-07	2.02E-02	1.05E-03	1.40E-05	3.90E-02
RF	RF122.06-S	7.28	4.04E+01	--	--	--	7.20E-03	5.10E-01	2.50E+02	5.73E+01	6.83E-06	6.36E-03	--	--	8.73E-08	9.80E-06	6.26E-12	6.82E-06	3.85E-03	1.07E-04	6.60E-04	2.81E-04
RF	RF123.01-S	9.38	4.62E+01	--	--	--	7.94E-03	5.17E-01	2.99E+02	6.77E+01	8.51E-06	4.97E-03	--	--	9.10E-08	9.98E-06	7.39E-12	7.30E-06	3.92E-03	1.26E-04	7.80E-04	9.93E-08
RF	RF123.02-S	0.83	1.65E-02	--	--	--	2.78E-06	2.15E-04	8.22E-02	1.86E-02	6.17E-09	2.55E-06	--	--	3.11E-11	8.02E-07	2.01E-15	2.53E-09	2.37E-04	2.70E-05	2.13E-07	2.10E-03
RF	RF123.03-S	12.06	1.84E+02	--	--	--	3.34E-02	5.27E-01	2.04E+02	4.60E+01	1.45E-05	6.30E-03	--	--	4.16E-07	9.45E-06	5.00E-12	3.21E-05	3.78E-03	9.57E-05	5.29E-04	1.47E-03
RF	RF123.04-S	44.51	1.54E+02	--	--	--	2.70E-02	2.08E+00	7.98E+02	1.81E+02	5.73E-05	2.48E-02	--	--	3.19E-07	3.78E-05	1.96E-11	2.52E-05	1.51E-02	3.29E-04	2.08E-03	2.61E-04
RF	RF124.01-S	94.24	4.60E+01	4.35E-06	--	--	9.23E-03	5.77E-01	2.45E+02	5.46E+01	1.41E-05	6.58E-03	--	--	1.30E-07	3.39E-05	6.00E-12	9.49E-06	1.10E-02	2.17E-04	6.32E-04	1.42E-04
RF	RF124.02-S	13.31	1.22E+01	--	--	--	2.21E-03	1.63E-01	6.59E+01	1.47E+01	3.90E-06	1.84E-03	--	--	2.73E-08	3.87E-06	1.61E-12	2.11E-06	1.45E-03	3.49E-05	1.70E-04	8.79E-08
RF	RF125.01-S	14.39	1.42E+02	--	--	--	2.83E-02	7.94E-01	3.82E+02	8.59E+01	1.47E-05	7.65E-03	--	--	3.95E-07	4.31E-05	9.33E-12	2.90E-05	1.42E-02	4.30E-04	9.88E-04	6.28E-04
RF	RF126.01-S	1.04	4.04E+00	--	--	--	6.85E-04	7.73E-02	3.83E+01	8.34E+00	1.17E-06	5.44E-04	--	--	7.70E-09	1.44E-06	9.06E-13	6.24E-07	5.70E-04	1.57E-05	9.59E-05	1.14E-08
RF	RF126.04-S	2.08	8.86E+00	--	--	--	1.50E-03	1.28E-01	7.00E+01	1.57E+01	1.98E-06	1.27E-03	--	--	1.69E-08	2.59E-06	1.70E-12	1.37E-06	1.01E-03	2.98E-05	1.80E-04	3.15E-08
RF	RF128.01-S	198.22	8.67E+02	--	--	--	1.50E-01	1.92E+01	8.41E+03	1.98E+03	2.45E-04	1.51E-01	--	--	1.75E-06	3.32E-04	2.17E-10	1.39E-04	1.34E-01	3.19E-03	2.29E-02	3.76E-08
RF	RF129.01-S	467.76	2.26E+02	9.90E-05	--	1.76E-08	4.03E-02	2.32E+00	8.59E+02	2.00E+02	6.15E-05	2.71E-02	1.77E-18	--	4.86E-07	1.72E-04	2.17E-11	3.81E-05	5.47E-02	1.69E-03	2.30E-03	6.21E-04
RF	RF129.05-S	448.33	2.64E+02	3.31E-04	--	--	5.44E-02	2.09E+00	7.43E+02	1.74E+02	5.70E-05	2.47E-02	--	--	7.86E-07	5.48E-05	1.89E-11	5.68E-05	2.01E-02	4.66E-04	2.00E-03	6.31E-05
RF	RF130.01-S	38.59	2.01E+02	--	7.54E-14	1.13E-07	4.20E-02	1.28E+00	4.90E+02	1.11E+02	3.52E-05	1.52E-02	2.50E-14	4.24E-06	6.13E-07	1.63E-04	4.57E-09	4.41E-05	4.90E-02	1.77E-03	1.28E-03	2.29E-03
RF	RF134.02-S	11.34	2.05E-01	--	--	--	3.48E-05	2.35E-03	9.16E-01	2.07E-01	6.51E-08	2.82E-05	--	--	3.92E-10	3.97E-08	2.24E-14	3.17E-08	1.61E-05	3.45E-07	2.38E-06	1.62E-12
RF	RF135.01-S	2.29	3.06E+00	--	--	--	5.63E-04	8.30E-03	3.28E+00	7.37E-01	2.31E-07	1.00E-04	--	--	7.14E-09	1.24E-06	8.01E-14	5.47E-07	3.81E-04	3.84E-05	8.48E-06	2.89E-03
RF	RF135.02-S	10.40	1.37E+00	--	--	--	2.44E-04	1.57E-02	6.11E+00	1.38E+00	4.54E-07	1.88E-04	--	--	2.94E-09	1.43E-05	1.49E-13	2.30E-07	4.22E-03	1.35E-04	1.58E-05	1.17E-06
RF	RF137.01-S	0.42	2.08E-01	--	--	--	3.85E-05	1.69E-03	6.75E-01	1.51E-01	4.71E-08	2.04E-05	--	--	4.90E-10	2.85E-08	1.65E-14	3.74E-08	1.16E-05	2.54E-07	1.74E-06	1.17E-12
RF	RF139.01-S	11.65	2.03E+02	--	--	--	3.72E-02	8.44E-02	3.31E+01	7.45E+00	2.44E-06	1.01E-03	--	--	4.70E-07	9.73E-06	8.05E-13	3.60E-05	3.03E-03	2.11E-04	8.54E-05	1.30E-02
RF	RF140.01-S	172.16	5.29E+01	1.31E-05	--	--	9.34E-03	6.90E-01	2.45E+02	5.77E+01	1.87E-05	8.12E-03	--	--	1.12E-07	1.20E-05	6.27E-12	8.78E-06	4.86E-03	9.62E-05	6.63E-04	3.55E-08
RF	RF141.01-S	45.55	1.76E+02	--	--	--	2.98E-02	3.66E+00	1.80E+03	4.09E+02	5.92E-05	2.80E-02	--	--	3.35E-07	9.69E-04	4.45E-11	2.71E-05	2.91E-01	9.25E-03	4.71E-03	7.58E-05
RF	RF141.02-S	175.97	1.18E+03	--	--	--	4.43E-01	1.43E+01	7.35E+03	1.70E+03	2.16E-04	1.52E-01	--	--	9.33E-06	1.24E-03	1.85E-10	5.84E-04	3.90E-01	1.22E-02	1.96E-02	8.32E-05
RL	RL105-01	157.99	2.50E+00	--	--	7.98E-03	4.19E-04	4.19E-02	2.89E+01	6.33E+00	1.74E-06	3.95E-04	--	5.71E-03	4.64E-09	2.66E-02	5.97E-04	3.79E-07	7.86E+00	8.11E-01	7.22E-05	8.72E-03
RL	RL105-03	69.06	2.01E+01	--	--	1.70E-02	8.53E-03	1.51E-01	1.43E+01	7.63E+00	5.20E-06	3.82E-03	--	2.38E-03	1.85E-07	9.39E-05	8.16E-13	1.15E-05	2.80E-02	9.65E-04	8.70E-05	2.04E-02
RL	RL200-01	126.63	3.09E+00	--	--	5.68E-06	5.18E-04	3.57E-01	1.86E+01	4.04E+00	1.29E-06	2.50E-04	--	4.01E-06	5.73E-09	5.85E-06	4.31E-13	4.68E-07	2.40E-03	7.42E-06	4.60E-05	9.97E-06
RL	RL201-01	14.14	7.02E-04	--	--	--	1.24E-07	8.24E-06	6.55E-03	1.42E-03	1.69E-10	8.93E-08	--	--	1.48E-12	1.57E-10	1.64E-16	1.16E-10	6.19E-08	2.54E-09	1.68E-08	5.27E-15
RL	RL202S-01	1.46	3.20E-02	--	--	8.90E-05	5.50E-06	2.12E-04	8.69E-02	2.02E-02	1.69E-09	9.73E-07	--	6.24E-05	6.32E-11	3.75E-09	2.25E-15	5.07E-09	1.51E-06	3.31E-08	2.35E-07	5.64E-14
RL	RL209E-01	52.79	2.09E+01	--	--	1.49E-05	3.74E-03	3.13E-01	2.49E+02	5.42E+01	6.31E-06	3.40E-03	--	1.06E-05	4.57E-08	6.27E-06	6.36E-12	3.55E-06	2.44E-03	9.77E-05	6.48E-04	2.03E-10
RL	RL216Z-02	194.85	1.31E+02	--	--	8.94E-05	2.21E-02	2.92E+00	7.40E+02	1.60E+02	4.92E-05	9.61E-03	--	6.29E-05	2.48E-07	4.86E-05	1.73E-11	2.01E-05	1.98E-02	2.78E-04	1.83E-03	5.49E-10
RL	RL221T-01	17.60	4.56E-03	--	--	1.19E-07	8.54E-07	6.22E-05	5.55E-02	1.21E-02	7.16E-10	7.59E-07	--	8.36E-08	1.12E-11	1.88E-09	1.52E-15	8.43E-10	6.58E-07	2.76E-08	1.50E-07	1.12E-07
RL	RL222S-01	88.61	6.87E-01	--	--	7.32E-06	1.15E-04	1.08E-02	7.02E+00	1.55E+00	4.14E-07	1.00E-04	--	5.24E-06	3.58E-02	3.42E-07	1.65E-13	1.03E+00	1.21E-04	7.67E-06	1.77E-05	5.43E-08
RL	RL231Z-01	1272.78	2.55E+02	--	--	2.98E-05	4.48E-02	4.90E+00	1.50E+03	3.28E+02	5.65E-05	2.05E-02	--	2.08E-05	5.32E-07	1.88E-03	5.52E-05	4.20E-05	5.47E-01	2.03E-03	3.87E-03	5.64E-02

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL231Z-03	13.23	8.81E+00	--	--	--	1.62E-03	1.94E-01	4.98E-02	4.14E-02	1.20E-06	3.89E-07	--	--	2.08E-08	4.30E-06	5.10E-15	1.58E-06	1.63E-03	2.00E-08	5.07E-07	2.37E-14
RL	RL233S-01	91.21	8.39E+00	--	--	1.23E-06	1.42E-03	1.84E-01	7.01E+01	1.66E+01	4.29E-06	6.03E-03	--	8.80E-07	1.59E-08	3.07E-06	1.80E-12	1.29E-06	1.26E-03	2.63E-05	1.90E-04	3.45E-10
RL	RL2718-01	0.83	1.91E-01	--	--	9.66E-09	3.39E-05	2.16E-05	5.22E-02	8.64E-03	1.64E-10	7.89E-08	--	6.70E-09	4.09E-10	4.22E-10	1.00E-15	3.20E-08	1.65E-07	2.03E-08	1.03E-07	4.68E-15
RL	RL300-01	72.87	1.77E+01	--	--	2.16E-04	2.98E-03	5.44E-01	1.53E+02	3.34E+01	9.18E-06	2.09E-03	--	1.55E-04	1.31E-01	8.19E-04	3.32E-03	3.78E+00	2.43E-01	1.12E-02	3.81E-04	3.04E-02
RL	RL308-01	28.12	9.69E+01	--	--	1.16E-06	1.62E-02	1.92E+00	8.63E+00	3.25E+00	4.02E-05	1.85E-04	--	8.30E-07	2.15E-03	7.54E-05	3.45E-13	6.19E-02	2.59E-02	1.79E-04	3.69E-05	4.51E-03
RL	RL324-01	135.33	4.38E+01	--	--	1.26E-03	7.35E-03	5.56E-01	4.05E+02	8.77E+01	1.75E-05	5.55E-03	--	5.91E-04	8.13E-08	9.05E-06	9.37E-12	6.64E-06	3.72E-03	1.51E-04	1.00E-03	3.16E-10
RL	RL325-01	1400.37	1.58E+02	--	--	3.09E-02	2.64E-02	4.83E+00	3.07E+02	9.97E+01	5.07E-05	3.68E-02	--	1.38E-01	2.91E-07	7.78E-05	1.06E-11	2.38E-05	3.21E-02	1.14E-04	1.13E-03	2.09E-09
RL	RL325-03	2.08	5.31E-01	--	--	3.09E-07	8.90E-05	1.25E-02	5.35E-01	3.16E-01	1.04E-07	1.66E-04	--	2.17E-07	9.85E-10	2.04E-07	3.38E-14	8.04E-08	8.38E-05	4.11E-06	3.60E-06	2.68E-06
RL	RL325-05	5.20	6.36E+01	--	--	8.47E-05	1.09E-02	7.66E-01	3.79E-01	3.71E-01	2.35E-05	6.75E-04	--	8.76E-06	1.23E-07	1.32E-05	4.07E-14	9.95E-06	5.34E-03	5.81E-06	4.29E-06	8.57E-08
RL	RL327-01	80.93	2.32E+01	--	--	1.11E+00	3.89E-03	8.63E-01	6.99E+00	5.95E+00	6.38E-06	8.97E-03	--	1.31E-06	4.30E-08	1.40E-05	6.36E-13	3.51E-06	5.77E-03	2.61E-06	6.79E-05	5.10E-10
RL	RLARG-01	0.83	1.29E+01	--	--	7.86E-09	2.33E-03	2.34E-01	1.68E+01	8.21E+00	2.66E-06	3.66E-03	--	5.45E-09	7.91E-03	1.52E-05	1.26E-04	2.16E-01	4.77E-03	3.05E-04	9.89E-05	3.22E-06
RL	RLBART-01	0.62	5.58E-01	--	--	2.97E-06	1.02E-04	4.25E-08	3.58E-05	7.77E-06	6.47E-13	4.90E-10	--	2.10E-06	1.29E-09	9.21E-13	9.46E-19	9.89E-08	3.50E-10	1.43E-11	9.46E-11	2.97E-17
RL	RLBAT-01	19.14	7.50E-01	--	--	5.31E-06	1.34E-04	3.76E+00	8.99E+00	1.94E+00	2.16E-07	1.22E-04	--	3.76E-06	1.65E-09	9.42E-05	2.30E-13	1.28E-07	3.45E-02	3.58E-04	2.33E-05	1.10E-03
RL	RLBET-01	0.42	4.78E-03	--	--	1.66E-05	8.66E-07	6.97E-05	5.76E-02	1.25E-02	1.20E-09	7.81E-07	--	1.17E-05	1.08E-11	5.96E-07	1.50E-15	8.32E-10	1.66E-04	1.70E-05	1.51E-07	1.83E-07
RL	RLBW-01	306.60	2.83E+02	--	--	1.65E-04	4.73E-02	1.54E+00	1.06E+03	2.31E+02	6.71E-05	1.45E-02	--	1.19E-04	5.21E-07	3.17E-04	2.46E-11	4.26E-05	9.66E-02	5.80E-04	2.63E-03	1.02E-02
RL	RLCBWD.001-S	14.36	1.32E+01	--	--	7.82E-11	2.34E-03	2.03E-01	2.34E+01	1.08E+01	2.28E-06	1.70E-03	--	5.47E-11	1.67E-04	5.37E-06	1.15E-12	4.80E-03	1.97E-03	2.83E-05	1.23E-04	2.45E-04
RL	RLCFF-01	24.34	1.05E+02	--	--	1.86E-05	1.76E-02	2.38E+00	5.71E+02	1.23E+02	4.30E-05	7.63E-03	--	1.31E-05	1.93E-07	4.11E-05	1.31E-11	1.58E-05	1.66E-02	2.50E-04	1.40E-03	8.09E-04
RL	RLCFF-03	5.82	9.43E-02	--	--	6.21E-08	1.69E-05	1.07E-03	9.22E-01	2.00E-01	1.44E-08	1.26E-05	--	4.27E-08	2.08E-10	2.16E-08	2.36E-14	1.61E-08	8.36E-06	3.62E-07	2.40E-06	7.50E-13
RL	RLCFFD.001-S	261.33	3.36E+02	--	--	--	5.66E-02	4.84E+00	5.74E+02	2.82E+02	5.42E-05	4.46E-02	--	--	6.30E-07	9.30E-05	1.31E-06	5.13E-05	3.66E-02	3.45E-04	3.22E-03	2.91E-03
RL	RLESG-01	58.24	4.94E+00	--	--	1.14E-05	8.40E-04	9.52E-02	3.83E+01	8.38E+00	1.55E-06	5.38E-04	--	1.46E-05	9.50E-09	4.97E-05	9.15E-13	7.67E-07	1.47E-02	1.45E-03	9.66E-05	2.94E-05
RL	RLEXX-01	50.96	4.08E+02	--	--	2.08E-05	7.44E-02	5.87E+00	4.93E+03	1.07E+03	9.30E-05	6.72E-02	--	1.46E-05	9.38E-07	1.69E-03	1.30E-10	7.19E-05	4.83E-01	2.14E-02	1.30E-02	4.23E-01
RL	RLGEV-01	280.23	3.85E+00	--	--	7.44E-06	7.00E-04	5.58E-02	4.63E+01	1.00E+01	9.20E-07	6.30E-04	--	5.26E-06	8.79E-09	9.73E-05	1.21E-12	6.75E-07	2.72E-02	1.66E-03	1.22E-04	1.88E-02
RL	RLHMOX.001-S	193.65	6.04E+03	4.15E-04	--	1.04E-07	1.42E+00	8.62E+01	7.66E+03	3.77E+03	8.19E-04	1.96E+00	--	7.22E-08	2.32E-05	4.01E-03	4.10E-10	1.60E-03	1.34E+00	5.12E-02	4.34E-02	5.93E-01
RL	RLIAEA-01	0.42	9.45E-03	--	--	2.06E-08	1.70E-06	1.10E-04	9.12E-02	1.98E-02	1.81E-09	1.24E-06	--	1.42E-08	2.10E-11	2.25E-09	2.35E-15	1.62E-09	8.67E-07	3.59E-08	2.38E-07	7.45E-14
RL	RLM308D.001-S	62.23	1.25E+03	1.04E-03	--	6.65E-07	2.29E-01	2.84E+01	9.13E+02	5.68E+02	1.52E-04	5.75E-01	--	4.64E-07	4.57E-05	6.10E-04	8.88E-05	1.45E-03	2.33E-01	1.77E-03	6.51E-03	2.27E-02
RL	RLMHASH.001-S	61.78	4.73E+02	--	--	6.18E-10	8.09E-02	3.93E+00	2.40E+03	5.77E+02	4.61E-05	8.13E-02	--	2.25E-10	6.18E-05	6.77E-05	6.34E-11	1.80E-03	2.74E-02	9.10E-04	6.67E-03	4.69E-09
RL	RLMLB-01	0.42	1.98E-02	--	--	1.46E-04	3.62E-06	2.86E-04	2.39E-01	5.18E-02	4.53E-09	3.26E-06	--	1.03E-04	4.56E-11	6.12E-09	6.28E-15	3.50E-09	2.33E-06	9.52E-08	6.30E-07	1.97E-13
RL	RLMLL-01	0.42	4.57E-02	--	--	7.41E-09	8.59E-06	6.22E-04	5.59E-01	1.21E-01	6.85E-09	7.61E-06	--	5.19E-09	1.14E-10	1.53E-05	1.53E-14	8.50E-09	4.15E-03	7.63E-06	1.50E-06	4.62E-04
RL	RLMPDT.001-S	1239.55	1.88E+03	8.64E-04	--	3.62E-06	3.29E-01	4.04E+01	4.86E+03	1.54E+03	3.30E-04	3.33E-01	--	2.52E-06	1.13E-03	7.35E-04	5.10E-07	3.26E-02	2.93E-01	2.42E-03	1.77E-02	4.35E-03
RL	RLMPURX.001-S	106.38	3.56E+02	1.12E-04	--	1.42E-06	6.10E-02	7.60E+00	7.27E+02	2.87E+02	1.20E-04	7.79E-02	--	9.19E-07	2.95E-04	1.30E-04	3.11E-11	8.45E-03	5.27E-02	2.91E-04	3.29E-03	2.62E-04
RL	RLMSSC.001-S	64.69	5.66E+02	--	--	--	9.64E-02	1.09E+01	2.76E+03	5.96E+02	1.48E-04	7.24E-02	--	--	1.09E-06	1.86E-04	6.50E-11	8.82E-05	7.54E-02	1.05E-03	6.87E-03	3.93E-04
RL	RLNPDT.002-S	445.26	4.65E+02	3.36E-03	--	2.37E-07	8.12E-02	1.02E+01	1.99E+03	4.61E+02	9.66E-05	8.38E-02	--	1.26E-07	9.56E-07	1.91E-04	6.22E-08	7.57E-05	7.56E-02	9.11E-04	5.33E-03	4.35E-04
RL	RLNPURX.001-S	39.11	2.27E+02	3.99E-05	--	3.25E-07	3.86E-02	5.09E+00	4.08E+02	1.54E+02	8.74E-05	5.02E-02	--	1.60E-07	4.36E-07	8.67E-05	1.68E-11	3.52E-05	3.52E-02	1.54E-04	1.77E-03	2.88E-09
RL	RLPFP-01	7457.30	1.85E+03	--	--	7.30E-03	3.09E-01	5.82E+03	1.95E+04	4.26E+03	1.22E-03	3.09E-01	--	5.24E-03	1.68E-02	9.70E-02	7.23E-05	4.84E-01	3.96E+01	2.93E-02	4.85E-02	4.08E-01
RL	RLPFP-03	6.86	3.13E+01	--	--	2.55E-07	5.29E-03	3.09E-01	1.80E+02	4.06E+01	5.35E-06	4.22E-03	--	1.79E-07	5.91E-08	5.22E-06	4.40E-12	4.80E-06	2.12E-03	7.40E-05	4.66E-04	5.36E-08
RL	RLPFP-04	17.68	2.54E-02	--	--	--	4.26E-06	3.20E-04	2.34E-01	5.08E-02	1.03E-08	3.18E-06	--	--	4.71E-11	5.22E-09	5.43E-15	3.84E-09	2.14E-06	8.74E-08	5.80E-07	1.81E-13
RL	RLPFP-05	18.72	9.92E+01	--	--	5.92E-09	1.66E-02	1.77E+00	3.74E+01	1.82E+01	3.34E-05	1.21E-02	--	4.13E-09	1.84E-07	2.89E-05	1.94E-12	1.50E-05	1.19E-02	1.40E-05	2.07E-04	6.86E-10
RL	RLPRC-01	4.20	--	--	--	1.91E-05	--	--	--	--	--	--	--	1.32E-05	--	--	--	--	--	--	--	--
RL	RLPURX-01	476.91	1.13E+02	--	--	9.61E-06	1.88E-02	2.12E+00	4.59E+02	1.24E+02	5.68E-05	2.39E-02	--	6.75E-06	2.07E-07	3.40E-05	1.32E-11	1.70E-05	1.40E-02	1.71E-04	1.41E-03	1.36E-09
RL	RLPURX-05	780.11	1.58E+02	--	--	2.51E-03	2.86E-02	1.30E+00	8.69E+02	1.89E+02	3.05E-05	1.19E-02	--	1.78E-03	3.57E-07	2.72E-05	2.27E-11	2.75E-05	1.04E-02	3.44E-04	2.29E-03	1.12E-06
RL	RLRFETS.001-S	63.44	3.95E+02	--	--	3.21E-09	6.74E-02	4.08E+00	3.75E+03	6.04E+02	6.86E-05	6.50E-02	--	2.52E-10	2.65E-04	8.74E-05	6.63E-11	7.56E-03	3.35E-02	1.59E-03	6.98E-03	3.74E-09
RL	RLSWO-01	57.78	2.22E+01	--	--	1.17E-05	3.71E-03	5.40E-01	7.79E+01	2.05E+01	7.19E-06	4.14E-03	--	2.56E-06	4.08E-08	8.69E-06	2.18E-12	3.34E-06	3.59E-03	2.91E-05	2.33E-04	2.35E-10
RL	RLVIPAC.001-S	28.35	4.10E+01	--	--	6.04E-08	7.44E-03	1.44E+00	1.77E+02	5.10E+01	3.77E-06	1.58E-02	--	4.22E-08	9.20E-08	3.48E-04	5.45E-12	7.12E-06	1.06E-01	2.58E-03	5.82E-04	4.82E-02
RL	RLWAR-01	447.00	1.03E+01	--	--	1.36E-04	1.72E-03	1.74E-01	1.19E+02	2.59E+01	7.52E-06	1.63E-03	--	9.76E-05	1.90E-08	1.93E-04	6.12E-05	1.55E-06	5.74E-02	3.38E-03	2.95E-04	7.82E-03
SA	SA-T001	6.37	5.81E-01	--	2.61E-06	--	1.20E-04	1.15E-02	3.53E+00	2.03E-02	--	--	--	--	1.77E-09	2.15E-07	4.65E-03	1.26E-07	8.51E-05	1.36E-06	2.40E-07	--
SA	SA-W134	16.02	4.02E+00	1.18E-02	8.60E-10	1.04E-02	1.25E-01	7.70E-02	1.37E+00	4.21E-01	6.44E-08	2.49E-06	--	7.50E-03	7.83E-05	5.78E-04	4.72E-14	2.30E-03	1.67E-01	1.09E-02	4.92E-06	7.96E-03
SA	SA-W134M	2.08	5.22E-01	1.53E-03	1.12E-10	1.34E-03	1.63E-02	1.00E-02	1.78E-01	5.47E-02	8.36E-09	3.23E-07	--	9.75E-04	1.02E-05	7.51E-05	6.13E-15	2.99E-04	2.17E-02	1.41E-03	6.39E-07	1.03E-03
SA	SA-W136	34.45	7.35E-01	--	--	--	1.23E-04	5.92E-02	1.95E+01	4.34E+00	5.02E-07	5.23E-04	--	--	1.36E-09	9.64E-07	4.63E-13	1.11E-07	3.97E-04	7.27E-06	4.95E-05	2.98E-11
SR	SR2001.001.00-S	61.15	9.41E-01	--	--	8.45E-10	1.61E-04	5.50E-02	9.55E+00	1.85E+00	3.74E-07	1.93E-04	--	--	1.83E-09	9.49E-07	2.02E-13	1.47E-07	3.84E-04	3.62E-06	2.13E-05	1.12E-11
SR	SR2002.002.00-S	69.89	3.10E+00	--	--	2.89E-09	5.27E-04	2.39E-02	1.12E+01	2.52E+00	8.92E-07	3.57E-04	--	1.88E-10	3.11E-03	4.08E-07	2.75E-13	8.84E-02	1.66E-04	4.24E-06	2.90E-05	2.05E-11
SR	SR-BCLCH-MT01	11.34	2.23E+01	--	--	--	3.78E-03	1.92E+02	6.16E+01	1.57E+01	8.86E-06	2.65E-03	--	--	4.25E-08	3.23E-03	1.70E-12	3.44E-06	1.32E+00	2.32E-05	1.80E-04	1.52E-10
SR	SR-T001-221H-HEPA	62.37	1.90E-01	--	--	--	3.24E-04	1.62E+01	2.54E-01	1.45E-01	4.52E-08	1.56E-04	--	--	9.55E-09	3.34E-04	1.68E-14	5.31E-07	1.29E-01	9.89E-08	1.72E-06	9.26E-12
SR	SR-W026-221F-HEPA	378.00	1.72E+02	--	--	--	3.05E-02	1.34E+02	8.55E+02	1.94E+02	5.68E-05	7.35E-02	--	--	3.69E-07	2.63E-03	2.26E-11	2.89E-05	1.03E+00	3.33E-04	2.31E-03	2.26E-08
SR	SR-W026-221F-HET	1089.92	1.62E+02	7.28E-04	7.65E-08	--	2.97E-02	1.31E+01	6.25E+02	1.47E+02	3.79E-04	2.51E-01	--	--	3.23E-03	3.48E-04	2.07E-11	9.25E-02	1.27E-01	1.54E-03	1.94E-03	7.19E-03
SR	SR-W026-221F-HET-S	552.35	2.12E+02	5.10E-05	4.31E-08	4.07E-08	4.03E-02	1.54E+01	1.01E+03	2.74E+02	6.55E-05	3.54E-02	--	3.29E-08	5.31E-07	6.17E-04	3.49E-05	4.00E-05	2.11E-01	1.81E-03	3.14E-03	9.01E-03
SR	SR-W026-221F-HOM	16.66	5.28E-01	--	--	--	9.39E-05	5.58E-02	4.30E+00	7.99E-01	1.35E-07	9.90E-05	--	--	1.14E-09	1.11E-06	9.29E-14	8.89E-08	4.32E-04	1.68E-06	9.51E-06	2.12E-09
SR	SR-W026-772F-HET	834.88	2.33E+02	--	7.53E-08	1.01E-03	6.32E-01	1.59E+03	4.71E+02	1.12E+02	6.97E-05	9.18E-02	--	7.77E-04	2.04E-04	3.84E-02	1.09E-10	6.35E-03	1.43E+01	2.85E-03	6.46E-03	9.18E-03
SR	SR-W026-772F-HET-S	1306.27	7.40E+01	6.27E-04	5.07E-08	6.17E-06	8.22E-02	1.39E+02	2.60E+02	7.19E+01	3.12E-05	1.23E-02	--	3.83E-06	2.36E-03	3.86E-03	3.95E-04	6.77E-02	1.40E+00	1.10E-03	8.24E-04	7.82E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W027-221F-HET	1490.34	2.52E+03	--	--	--	4.28E-01	2.07E+02	7.08E+03	1.57E+03	9.15E-04	9.24E-01	--	--	4.81E-06	3.49E-03	1.71E-10	3.90E-04	1.42E+00	2.67E-03	1.81E-02	1.48E-05
SR	SR-W027-221F-HETA-S	2080.85	4.90E+02	4.29E-06	--	7.85E-05	9.09E-02	1.02E+01	1.67E+03	5.35E+02	2.64E-04	9.28E-02	--	1.64E-08	6.08E-04	1.02E-03	9.95E-05	1.74E-02	3.17E-01	7.50E-04	6.15E-03	2.17E-03
SR	SR-W027-221H-HEPA	137.97	1.16E+01	--	--	--	5.34E-02	7.68E+02	1.59E+01	6.78E+00	4.87E-06	7.02E-03	--	--	1.50E-06	1.25E-02	1.97E-11	8.63E-05	5.15E+00	8.77E-05	1.09E-03	3.25E-06
SR	SR-W027-221H-HET-A	5568.93	3.46E+02	5.91E-04	--	7.54E-03	1.62E+01	2.79E+04	1.32E+03	4.97E+02	1.79E-04	3.00E-01	--	5.79E-03	8.57E-04	4.73E-01	2.14E-09	3.78E-02	1.92E+02	4.95E-02	1.17E-01	1.17E-02
SR	SR-W027-221H-HET-S	2521.93	1.37E+02	1.97E-02	--	1.76E-06	2.31E-01	1.93E+03	1.29E+02	4.92E+01	1.30E-04	2.45E-02	--	1.35E-06	3.16E-03	5.53E-02	2.73E-03	9.07E-02	1.99E+01	1.60E-03	5.65E-04	2.49E-03
SR	SR-W027-235F-HET	733.92	5.84E+02	--	--	--	5.23E+00	1.19E+04	2.54E+02	1.20E+02	3.86E-04	2.93E-01	--	--	1.50E-04	1.96E-01	3.01E-10	8.57E-03	8.02E+01	1.42E-03	1.68E-02	1.39E-03
SR	SR-W027-235F-HET-S	301.51	1.49E+01	1.08E-05	--	2.65E-08	3.84E-02	1.10E+02	9.55E+00	6.28E+00	1.81E-05	3.35E-03	--	2.04E-08	1.06E-06	3.21E-03	2.51E-04	6.13E-05	1.15E+00	7.56E-04	7.18E-05	9.01E-05
SR	SR-W027-235F-HOMO	5.83	8.22E-01	--	--	--	1.45E-04	6.04E+01	9.27E-01	4.89E-01	1.76E-07	6.02E-04	--	--	1.75E-09	1.17E-03	5.66E-14	1.37E-07	4.58E-01	3.60E-07	5.81E-06	3.56E-11
SR	SR-W027-773A-HET	2495.78	5.65E+01	3.37E+01	1.82E-03	1.33E-01	9.50E-03	9.71E+02	3.21E+02	9.32E+01	3.38E-01	1.02E+00	1.69E-09	1.02E-01	1.65E-03	1.61E-02	8.24E-04	4.74E-02	6.60E+00	1.52E-03	9.30E-03	2.99E-03
SR	SR-W027-773A-HET-S	358.24	2.69E+01	2.41E-01	7.14E-06	3.64E-06	3.87E-02	9.38E+01	8.94E+01	2.12E+01	8.10E-04	2.37E-03	--	2.80E-06	1.03E-06	2.66E-03	1.31E-04	6.03E-05	9.62E-01	2.03E-04	2.43E-04	1.50E-03
SR	SR-W027-999-AGNS-HET	56.84	2.46E+00	--	--	--	5.75E-03	1.72E-01	6.44E+00	1.88E+00	3.78E-07	2.39E-04	--	--	1.79E-07	5.30E-06	1.78E-12	9.74E-06	1.85E-03	1.95E-05	1.01E-04	2.47E-07
SR	SR-W027-999-AGNS-HOM	5.83	8.81E+00	--	--	--	4.61E-03	1.48E-01	6.01E+00	1.37E+00	2.43E-07	2.46E-04	--	--	1.19E-07	4.66E-06	1.67E-13	6.83E-06	1.62E-03	2.18E-05	1.67E-05	4.14E-04
SR	SR-W027-999-LASL-HET	44.30	1.08E+02	--	--	--	2.04E-02	2.93E+03	5.25E+01	3.22E+01	8.72E-06	3.85E-02	--	--	2.72E-07	7.03E-02	4.10E-12	2.03E-05	2.60E+01	2.14E-05	4.02E-04	2.39E-09
SR	SR-W027-999-LASL-HOM	5.82	1.09E+01	--	--	--	2.06E-03	6.57E+02	1.15E+01	6.13E+00	8.78E-07	7.57E-03	--	--	2.74E-08	1.58E-02	7.81E-13	2.04E-06	5.83E+00	4.69E-06	7.64E-05	4.69E-10
SR	SR-W027-999-MD-HET	1675.12	2.49E+02	--	8.28E-10	--	4.78E-02	2.04E+04	3.87E+02	2.01E+02	3.09E-05	2.38E-01	5.33E-14	--	1.49E-03	4.89E-01	2.56E-11	3.95E-02	1.81E+02	3.65E-04	2.50E-03	4.59E-03
SR	SR-W027-999-MD-HOM-A	2.29	1.90E-02	--	--	--	3.09E-05	1.54E+00	2.08E-02	1.61E-03	2.89E-10	3.71E-07	--	--	9.51E-10	3.69E-05	2.00E-16	5.17E-08	1.37E-02	3.33E-07	1.98E-08	1.47E-14
SR	SR-W027-999-MD-HOM-B	22.64	1.88E-01	--	--	--	3.06E-04	1.53E+01	2.06E-01	1.60E-02	2.86E-09	3.68E-06	--	--	9.41E-09	3.65E-04	1.97E-15	5.12E-07	1.35E-01	3.29E-06	1.96E-07	1.45E-13
SR	SR-W027-999-MD-HOM-C	1.04	8.64E-03	--	--	--	1.40E-05	7.02E-01	9.46E-03	7.34E-04	1.31E-10	1.69E-07	--	--	4.32E-10	1.68E-05	9.07E-17	2.35E-08	6.21E-03	1.51E-07	9.01E-09	6.67E-15
SR	SR-W027-999-MD-SOIL	90.53	2.24E-02	--	--	--	1.28E-04	8.09E-01	5.32E-01	--	--	6.93E-08	--	--	4.14E-09	1.81E-05	--	2.22E-07	6.82E-03	2.14E-07	--	2.74E-15
SR	SR-W027-FB-PRE86-C-S	2385.10	4.07E+02	1.09E-04	5.41E-08	2.84E-08	7.63E-02	8.15E+00	3.29E+03	4.29E+02	1.67E-04	2.20E-01	--	1.77E-08	1.25E-04	5.20E-04	6.22E-05	3.62E-03	1.68E-01	1.35E-03	4.94E-03	2.77E-04
SR	SR-W027-HBL-Box-A	339.60	2.45E+00	--	--	--	1.02E-01	1.81E+02	2.81E+00	1.48E+00	5.08E-07	1.82E-03	--	--	3.17E-06	3.55E-03	1.72E-13	1.74E-04	1.39E+00	1.09E-06	1.76E-05	1.08E-10
SR	SR-W027-SRSG-HET	1889.08	5.41E+02	3.16E-02	6.54E-07	--	1.18E+00	1.45E+02	1.72E+03	3.75E+02	8.70E-03	4.69E+00	--	--	1.70E-01	4.15E-02	6.74E-10	4.55E+00	1.17E+01	9.09E-03	3.59E-02	4.97E-01
SR	SR-W027-SRSG-HOM	22.28	6.91E+00	1.20E-03	2.21E-08	--	2.41E-02	7.62E+01	1.02E+02	1.33E+01	8.80E-07	1.05E-02	--	--	7.74E-07	1.77E-03	5.38E-12	4.15E-05	6.60E-01	6.52E-05	3.50E-04	5.35E-04
Grand Total		**168485.00**	**2.89E+05**	**8.95E+01**	**4.13E-03**	**1.34E+00**	**8.29E+01**	**1.08E+05**	**5.32E+05**	**1.26E+05**	**1.05E+01**	**5.69E+01**	**3.19E-04**	**3.01E-01**	**2.83E+01**	**2.68E+00**	**1.45E+00**	**7.78E+02**	**9.52E+02**	**8.84E+00**	**3.30E+00**	**5.80E+01**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	220.78	1.11E+01	5.65E-05	1.60E-07	1.26E-02	4.99E-03	8.36E-01	3.21E+01	6.81E+00	5.97E-07	--	--	5.47E-03	1.29E-05	1.94E-05	8.55E-13	3.47E-04	7.23E-03	3.00E-04	8.42E-05	1.13E-04
AW (MFC)	AW-T031.1322	94.27	2.44E+00	1.04E-03	5.37E-09	4.90E+00	3.89E-03	1.26E-01	8.09E-03	3.77E+01	9.90E-07	1.09E-03	--	5.01E+00	1.39E-07	4.61E-05	9.97E-12	7.06E-06	1.38E-02	8.17E-03	7.46E-04	3.45E-05
AW (MFC)	AW-W020.13	65.09	5.90E+01	--	--	1.60E-01	1.09E-02	--	3.62E+01	1.10E+01	2.24E-05	--	--	2.37E-02	2.62E-02	4.79E-05	1.26E-12	7.28E-01	1.37E-02	9.26E-03	1.30E-04	1.49E-03
AW (MFC)	AW-W026	0.89	8.57E-02	--	--	2.51E-05	1.51E-05	--	2.78E-02	--	--	--	--	6.83E-05	1.79E-10	7.61E-13	--	1.41E-08	4.35E-10	2.90E-06	--	3.93E-07
AW (MFC)	AW-W028	36.80	--	--	--	1.81E-03	--	--	1.27E+00	6.50E-02	--	--	--	3.87E-03	--	6.91E-11	7.44E-15	--	3.94E-08	6.67E-05	7.67E-07	3.57E-05
AW (MFC)	AW-W046	24.23	--	--	--	3.43E+00	--	--	2.88E+00	--	--	--	--	2.88E+00	--	--	--	--	--	6.93E-03	--	--
AW (MFC)	AW-W047	12.56	--	--	--	3.03E-01	--	--	1.01E-02	--	--	--	--	2.53E-01	--	--	--	--	--	3.82E-09	--	--
BT	BT-T001	2.67	2.23E+00	1.88E-02	2.31E-07	1.51E+00	2.73E-02	1.10E+01	3.73E-01	4.06E-01	1.01E-06	2.99E-03	--	1.15E+00	3.08E-01	5.03E-03	2.27E-03	8.21E+00	1.22E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	7.42E-01	6.27E-03	7.70E-08	5.04E-01	9.11E-03	3.67E+00	1.24E-01	1.35E-01	3.37E-07	9.96E-04	--	3.83E-01	1.03E-01	1.68E-03	7.56E-04	2.74E+00	4.08E-01	2.22E-03	2.52E-02	1.54E-05
IN	IN-AE-AGHC-01	183.34	5.85E+01	--	--	2.55E-01	9.83E-03	1.99E+00	1.41E+02	7.19E+01	1.47E-05	2.35E-02	--	1.45E-01	8.81E-03	1.59E-03	7.68E-12	2.54E-01	4.73E-01	1.63E-02	8.19E-04	2.72E-03
IN	IN-AW-161	1.78	--	--	--	1.63E-04	--	--	4.87E+00	1.01E-01	--	--	--	9.14E-05	--	--	1.19E-14	--	--	4.79E-06	1.21E-06	--
IN	IN-INTEC-SFS-01	0.89	1.11E+00	--	--	5.19E-04	2.04E-04	8.60E-02	2.39E-01	2.69E-01	2.09E-07	1.00E-03	--	2.90E-04	2.63E-09	1.93E-06	3.32E-14	2.00E-07	7.26E-04	8.69E-06	3.30E-06	6.14E-11
IN	IN-NRF-153	8.01	8.09E-03	--	--	--	1.49E-06	1.18E-02	3.21E-03	3.36E-03	1.60E-09	1.16E-05	--	--	1.91E-11	2.62E-07	4.13E-16	1.45E-09	9.90E-05	4.74E-05	4.11E-08	7.08E-13
IN	IN-TRA-150	3.56	2.07E+01	--	--	--	3.67E-03	2.01E+00	--	--	--	--	--	--	4.43E-08	3.94E-05	--	3.46E-06	1.54E-02	--	--	--
IN	IN-TRA-157	4.45	8.54E-02	--	6.76E-09	3.50E-05	1.49E-05	7.35E-03	4.13E-03	5.26E-05	--	--	--	2.46E-04	7.44E-05	2.33E-06	5.99E-18	2.07E-03	6.81E-04	1.59E-09	6.19E-10	--
IN	IN-W208.243	0.89	1.09E+01	--	--	--	1.96E-03	6.64E-02	4.21E+01	9.22E+00	1.42E-06	6.94E-04	--	--	2.39E-08	1.33E-06	1.08E-12	1.86E-06	5.16E-04	5.08E-05	1.10E-04	4.14E-11
IN	IN-W216.876	15.13	4.21E+02	--	--	--	7.51E-02	5.44E-02	3.44E+01	7.59E+00	1.16E-06	5.68E-04	--	--	9.18E-07	1.09E-06	8.91E-13	7.14E-05	4.22E-04	1.35E-05	9.07E-05	3.39E-11
IN	IN-W216.877	43.61	6.05E+02	--	--	--	1.08E-01	7.83E-02	4.96E+01	1.09E+01	1.68E-06	8.19E-04	--	--	1.32E-06	1.57E-06	1.28E-12	1.03E-04	6.09E-04	1.94E-05	1.31E-04	4.88E-11
IN	IN-W228.884	8.90	3.68E+00	--	--	--	6.57E-04	2.54E-03	1.61E+00	3.54E-01	5.41E-08	2.65E-05	--	--	8.02E-09	5.08E-08	4.16E-14	6.24E-07	1.97E-05	6.31E-07	4.24E-06	1.58E-12
IN	IN-W228.885	0.89	6.11E-02	--	--	--	1.09E-05	4.24E-05	2.68E-02	5.91E-03	9.04E-10	4.42E-07	--	--	1.33E-10	8.49E-10	6.94E-16	1.04E-08	3.30E-07	1.05E-08	7.07E-08	2.64E-14
IN	IN-W228.886	21.36	4.41E+00	--	--	--	7.88E-04	3.05E-03	1.93E+00	4.24E-01	6.51E-08	3.18E-05	--	--	9.62E-09	6.10E-08	4.98E-14	7.49E-07	2.37E-05	7.57E-07	5.07E-06	1.90E-12
IN	IN-W243.276	3.56	1.13E+00	--	--	--	2.02E-04	1.18E-02	7.53E+00	1.66E+00	2.54E-07	1.24E-04	--	--	2.46E-09	2.37E-07	1.95E-13	1.92E-07	9.21E-05	5.15E-06	1.98E-05	1.52E-07
IN	IN-W243.277	1.78	2.26E+00	--	--	--	4.03E-04	2.37E-02	1.50E+01	3.31E+00	5.07E-07	2.47E-04	--	--	4.93E-09	4.75E-07	3.89E-13	3.83E-07	1.84E-04	1.03E-05	3.96E-05	3.03E-07
IN	IN-W252.282	17.80	1.67E+01	--	--	--	2.98E-03	2.01E-01	1.28E+02	2.80E+01	4.29E-06	2.10E-03	--	--	3.64E-08	4.03E-06	3.29E-12	2.83E-06	1.56E-03	5.00E-05	3.35E-04	1.25E-10
IN	IN-W254.1045	1.78	8.54E-01	--	--	--	1.53E-04	1.20E-02	7.62E+00	1.68E+00	2.58E-07	1.26E-04	--	--	1.86E-09	2.41E-07	1.97E-13	1.45E-07	9.34E-05	2.99E-06	2.01E-05	7.50E-12
IN	IN-W294.343	8.90	3.45E+00	--	--	--	6.17E-04	4.36E-02	2.77E+01	6.09E+00	9.34E-07	4.57E-04	--	--	7.53E-09	8.73E-07	7.16E-13	5.86E-07	3.39E-04	2.88E-05	7.29E-05	2.73E-11
IN	IN-W296.330	12.46	1.17E+00	--	--	--	2.48E-04	1.41E-02	8.98E+00	1.97E+00	3.03E-07	1.48E-04	--	--	3.76E-09	2.83E-07	2.32E-13	2.65E-07	1.10E-04	4.91E-06	2.36E-05	8.83E-12
IN	IN-W296.331	12.46	3.92E+00	--	--	--	8.27E-04	4.72E-02	2.99E+01	6.58E+00	1.01E-06	4.94E-04	--	--	1.26E-08	9.45E-07	7.73E-13	8.84E-07	3.67E-04	1.64E-05	7.87E-05	2.95E-11
IN	IN-W298.318	8.01	1.58E+01	--	--	--	2.82E-03	1.50E-01	9.50E+01	2.10E+01	3.22E-06	1.58E-03	--	--	3.44E-08	3.01E-06	2.46E-12	2.68E-06	1.17E-03	3.72E-05	2.51E-04	9.40E-11
IN	IN-W358.949	10.68	--	--	--	--	--	2.32E+02	2.24E+01	4.17E+01	--	--	--	--	--	4.29E-03	4.73E-12	--	1.70E+00	8.61E-06	4.90E-04	--
IN	IN-W372.918	4.45	8.46E-02	--	--	3.13E-05	1.47E-05	6.48E-03	3.61E-03	--	--	--	--	--	1.73E-10	1.20E-07	--	1.37E-08	4.75E-05	1.39E-09	--	--
KA	KA-T001	502.99	1.15E-01	2.70E-04	3.73E-09	6.15E-02	4.55E-03	7.43E-01	3.97E-02	9.68E-03	2.52E-06	3.84E-05	9.10E-12	4.49E-02	2.10E-07	1.08E-04	2.88E-10	9.59E-06	3.07E-02	3.83E-04	3.63E-03	1.68E-06
KA	KA-W016	52.53	1.20E-02	2.82E-05	3.90E-10	6.42E-03	4.75E-04	7.76E-02	4.15E-03	1.01E-03	2.63E-07	4.01E-06	9.51E-13	4.69E-03	2.20E-08	1.12E-05	3.01E-11	1.00E-06	3.21E-03	4.00E-05	3.79E-04	1.75E-07
LA	LA-TA-00-03	1.78	--	--	--	--	--	--	1.22E+01	--	--	--	--	--	--	--	--	--	--	5.01E-06	--	--
LA	LA-TA-03-27	96.12	1.66E+00	--	--	2.63E-01	3.06E-04	6.51E-02	2.30E+02	2.43E+00	3.29E-07	1.52E-03	--	1.81E-01	3.92E-09	7.75E-06	4.60E-13	2.98E-07	2.28E-03	9.39E-03	3.78E-05	4.09E-05
OR	OR-W211	294.45	2.09E+01	1.09E-01	5.99E-05	9.39E-03	3.78E-03	5.09E-02	4.37E+00	3.24E+00	3.99E-04	8.88E-03	1.05E-08	3.44E-03	5.76E-02	2.03E-06	1.51E-05	1.57E+00	6.79E-04	1.67E-04	4.95E-05	1.04E-04
OR	OR-W212	146.78	2.41E+01	--	7.39E-05	3.57E-01	4.35E-03	2.70E+00	5.69E-01	8.11E-01	8.73E-08	--	5.90E-10	1.73E-01	1.16E-05	5.59E-05	1.06E-03	3.20E-04	2.15E-02	4.93E-04	9.78E-06	--
OR	OR-W213	1020.04	2.06E+01	1.04E-02	5.71E-08	6.06E-02	3.96E-02	3.34E-01	1.70E+01	2.06E-02	1.07E-06	9.49E-03	--	3.90E-04	2.58E+01	4.87E-02	4.09E-01	3.31E+01	1.88E+00	2.80E-02	2.98E-02	3.56E-01
OR	OR-W214	2.67	1.70E-03	--	1.01E-10	1.09E-04	1.19E-04	2.52E-05	5.51E-03	1.11E-06	--	--	--	1.38E-06	3.08E-06	7.43E-10	1.33E-19	8.40E-05	3.22E-07	2.28E-09	1.34E-11	1.05E-04
OR	OR-W215	1824.83	1.48E+03	--	4.46E-03	2.22E+01	3.99E-01	1.28E+02	1.76E+03	2.07E+02	3.06E-05	7.91E-01	1.97E-10	4.62E+01	3.13E+01	1.97E-01	7.06E+00	8.53E+02	5.55E+01	2.72E+00	9.85E-02	1.08E+02
RL	RL105-07	72.98	1.43E+01	1.73E-04	2.61E-06	1.26E-02	6.24E-03	1.27E-01	1.15E+01	6.16E+00	4.10E-06	2.63E-03	--	3.66E-03	1.45E-07	8.99E-05	2.38E-04	8.70E-06	2.67E-02	9.80E-04	3.74E-03	2.11E-02
RL	RL105-09	518.87	3.48E+03	--	--	8.47E-02	5.95E-01	2.34E+01	3.65E+00	6.31E+00	1.54E-03	--	--	6.65E-02	6.77E-06	4.04E-04	6.93E-13	5.45E-04	1.63E-01	1.38E-06	7.29E-05	--
RL	RL324-07	67.64	7.11E+01	--	--	8.04E+00	1.21E-02	2.91E-01	7.90E+00	2.14E+00	6.29E-06	7.04E-02	--	3.19E+00	1.38E-07	5.02E-06	2.35E-13	1.11E-05	2.03E-03	2.99E-06	2.47E-05	4.06E-09
RL	RL324-08	67.64	2.77E+02	--	--	1.92E+01	4.73E-02	1.46E+00	5.63E+00	5.36E+00	2.81E-06	8.96E-03	--	1.00E+01	5.38E-07	2.51E-05	5.88E-13	4.33E-05	1.02E-02	2.13E-06	6.19E-05	5.17E-10
RL	RL325-07	143.29	8.72E+03	--	--	6.67E-02	1.60E+00	4.06E+01	5.38E+01	6.73E+01	1.20E-03	3.49E-02	--	3.08E-02	2.02E-05	8.80E-04	8.19E-12	1.55E-03	3.34E-01	9.69E-04	8.20E-04	2.12E-09
RL	RL325-08	13.35	1.48E+01	--	--	5.53E-02	2.53E-03	2.56E-01	3.17E+01	1.53E+01	7.86E-06	--	--	4.13E-02	2.87E-08	4.41E-06	1.68E-12	2.32E-06	1.78E-03	1.20E-05	1.77E-04	--
RL	RL327-07	16.91	1.97E+02	--	--	3.36E+00	3.59E-02	4.51E+00	1.59E+02	1.05E+02	3.49E-05	9.63E-02	--	9.60E-01	4.53E-07	1.14E-04	1.86E-11	3.47E-05	4.18E-02	3.93E-03	1.57E-03	9.58E-03
RL	RLBAT-08	22.25	8.26E-07	--	--	--	1.41E-10	1.01E-08	7.70E-06	1.67E-06	2.53E-13	1.05E-10	--	--	1.59E-15	1.72E-13	1.83E-19	1.28E-13	6.97E-11	2.91E-12	1.93E-11	6.03E-18
RL	RLPURX-07	113.03	6.49E-01	--	--	1.37E-03	1.20E-04	9.50E-03	1.51E+00	7.29E-01	1.23E-07	2.24E-05	--	9.57E-04	1.54E-09	2.13E-07	9.01E-14	1.17E-07	8.02E-05	6.06E-07	8.94E-06	1.37E-12
RL	RLSWO-08	121.04	1.16E+01	--	--	--	1.97E-03	1.40E-01	1.08E+02	2.34E+01	3.38E-06	1.47E-03	--	--	2.24E-08	2.41E-06	2.57E-12	1.81E-06	9.76E-04	4.08E-05	2.71E-04	8.47E-11
RL	RLWTP-08	846.25	3.84E+03	7.86E-01	--	4.93E+02	5.14E+00	1.47E+01	4.58E+03	7.59E+02	1.05E-04	5.40E-02	--	2.68E+02	1.16E+00	7.46E-02	6.62E-09	3.35E+01	2.21E+01	9.41E-01	3.60E-01	2.09E+01
SA	SA-W135	19.58	4.96E+01	--	8.26E-07	3.14E-01	1.23E-02	8.91E-01	1.20E+01	1.75E+00	1.15E-09	--	--	2.40E-01	2.12E-07	1.25E-04	1.97E-13	1.42E-05	3.77E-02	2.35E-03	2.05E-05	7.83E-04
SR	SR-BCLRH-MT01	0.89	2.17E+00	1.85E-02	9.92E-07	7.83E-03	5.98E-04	1.23E-01	3.13E-01	5.00E-01	3.16E-04	1.54E-03	--	3.95E-03	1.18E-08	5.06E-06	3.25E-12	7.44E-07	1.72E-03	1.29E-05	1.76E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	1.50E-02	1.28E-04	6.87E-09	5.43E-05	4.14E-06	8.58E-04	2.17E-03	3.47E-03	2.20E-06	1.07E-05	--	2.73E-05	8.17E-11	3.52E-08	2.26E-14	5.15E-09	1.19E-05	8.98E-08	1.22E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	5.16E-01	--	2.39E-07	1.28E-04	8.75E-05	5.51E-02	1.16E-01	1.84E-01	--	--	--	3.97E-03	1.55E-09	2.70E-06	1.94E-12	9.58E-08	8.98E-04	7.84E-06	1.05E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	1.51E+00	1.29E-02	6.91E-07	5.46E-03	4.17E-04	8.57E-02	2.18E-01	3.48E-01	2.21E-04	1.07E-03	--	2.75E-03	8.24E-09	3.52E-06	2.27E-12	5.18E-07	1.20E-03	9.02E-06	1.23E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	4.52E+01	3.84E-01	2.07E-05	1.63E-01	1.25E-02	2.57E+00	6.52E+00	1.05E+01	6.60E-03	3.21E-02	--	8.23E-02	2.46E-07	1.05E-04	6.78E-11	1.55E-05	3.58E-02	2.71E-04	3.67E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	3.09E+00	2.62E-02	1.41E-06	1.11E-02	8.51E-04	1.76E-01	4.45E-01	7.11E-01	4.52E-04	2.20E-03	--	5.60E-03	1.68E-08	7.22E-06	4.64E-12	1.06E-06	2.45E-03	1.85E-05	2.51E-04	3.56E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-BCLRH-T006	0.89	7.24E-01	6.16E-03	3.31E-07	2.61E-03	2.00E-04	4.12E-02	1.05E-01	1.68E-01	1.06E-04	5.16E-04	--	1.32E-03	3.94E-09	1.69E-06	1.09E-12	2.48E-07	5.74E-04	4.35E-06	5.89E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	5.99E-03	5.08E-05	2.74E-09	2.16E-05	1.65E-06	3.41E-04	8.63E-04	1.38E-03	8.71E-07	4.24E-06	--	1.09E-05	3.25E-11	1.40E-08	8.97E-15	2.05E-09	4.75E-06	3.59E-08	4.86E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	7.14E-02	6.06E-04	3.27E-08	2.59E-04	1.97E-05	4.07E-03	1.03E-02	1.65E-02	1.04E-05	5.07E-05	--	1.30E-04	3.88E-10	1.67E-07	1.07E-13	2.45E-08	5.67E-05	4.28E-07	5.81E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	4.80E-01	4.09E-03	2.20E-07	1.74E-03	1.32E-04	2.74E-02	6.94E-02	1.11E-01	7.04E-05	3.42E-04	--	8.76E-04	2.62E-09	1.13E-06	7.24E-13	1.65E-07	3.82E-04	2.87E-06	3.92E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	2.72E+00	6.72E-02	1.76E-06	1.10E-01	4.93E-03	1.14E-02	2.05E-03	2.47E-02	7.54E-04	1.22E-05	--	4.57E-02	1.51E-07	5.41E-08	2.24E-14	8.24E-06	2.48E-05	4.91E-08	1.33E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	2.59E-02	--	9.22E-09	8.81E-05	4.40E-06	1.40E-03	1.05E-02	5.09E-05	--	--	--	3.65E-05	4.95E-11	9.26E-08	5.53E-18	4.01E-09	2.98E-05	3.95E-09	5.85E-10	--
SR	SR-T003-773A-HET	140.96	--	2.49E-01	--	4.81E-02	--	1.04E+00	2.85E-03	--	--	--	--	3.66E-02	--	2.12E-05	--	--	8.20E-03	5.56E-10	--	--
SR	SR-W027-SRSG-HET-RH	102.78	6.15E+00	4.41E+00	8.14E-05	--	3.43E-02	7.88E-01	2.14E+01	7.59E+00	4.41E-02	2.38E-03	1.01E-11	--	1.12E-06	1.74E-05	9.43E-13	5.97E-05	6.53E-03	8.63E-06	9.34E-05	1.44E-10
Grand Total		**7079.00**	**1.95E+04**	**6.11E+00**	**4.71E-03**	**5.59E+02**	**8.22E+00**	**4.76E+02**	**7.72E+03**	**1.50E+03**	**5.60E-02**	**1.16E+00**	**1.13E-08**	**3.39E+02**	**5.87E+01**	**3.35E-01**	**7.48E+00**	**9.33E+02**	**8.40E+01**	**3.76E+00**	**6.08E-01**	**1.30E+02**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	104.68	1.11E+01	1.71E+00	1.03E-18	8.99E-11	1.32E-01	1.93E-02	8.30E+01	5.80E+01	5.73E-03	2.62E-02	2.24E-14	4.58E-11	1.16E-02	9.40E-04	4.84E-11	4.24E-02	1.02E-01	1.58E-03	1.87E-03	4.41E-02
AE	AECHHM-S	14.15	2.83E+00	4.67E-03	--	7.05E-14	4.10E-03	1.34E-03	4.01E+01	1.48E+01	8.88E-09	2.02E-03	--	3.59E-14	2.92E-04	6.43E-05	1.23E-11	1.44E-05	6.96E-03	1.47E-04	4.77E-04	2.69E-03
AE	AE-T001	513.85	3.91E+01	--	--	5.38E-10	2.23E+00	1.16E-02	4.55E+02	2.48E+02	--	2.24E-01	--	1.85E-10	2.92E-02	4.14E-04	2.04E-04	3.17E-01	4.44E-02	9.73E-03	8.20E-03	1.63E-01
AE	AE-T003	109.74	4.66E+00	--	--	1.40E-12	7.22E-02	1.45E-03	1.32E+02	4.71E+01	--	1.47E-03	--	1.73E-12	4.20E-03	1.91E-05	4.06E-11	4.50E-02	2.05E-03	4.91E-04	1.54E-03	7.84E-03
AE	MU-W002-S	4.79	1.35E+00	1.03E-03	--	8.46E-17	5.00E-03	--	2.20E-02	--	--	--	--	4.32E-17	9.96E-04	2.33E-10	--	2.05E-05	5.05E-08	2.27E-08	--	1.73E-05
AW (MFC)	AW-N026.82	3.78	--	--	--	2.06E-10	--	--	3.41E-02	--	--	--	--	5.00E-10	--	--	--	--	--	3.55E-08	--	--
AW (MFC)	AW-N027.531	26.60	1.77E-02	--	--	--	1.53E-05	3.19E-02	8.42E+01	4.69E-01	1.02E-22	6.58E-06	--	--	7.47E-07	3.89E-04	3.98E-13	8.07E-06	4.18E-02	1.43E-04	1.53E-05	2.06E-07
AW (MFC)	AW-T033.1325	157.54	1.05E-01	--	--	--	9.05E-05	1.92E-01	4.99E+02	2.78E+00	6.64E-22	3.90E-05	--	--	4.41E-06	2.30E-03	2.35E-12	4.78E-05	2.48E-01	8.44E-04	9.02E-05	1.22E-06
AW (MFC)	AW-W049	51.54	--	--	--	--	--	--	2.15E+00	--	--	--	--	--	--	--	--	--	--	2.21E-06	--	--
BT	BT-T002	18.90	2.70E-03	3.65E-05	1.87E-20	9.80E-10	5.95E-05	2.74E-04	7.17E-04	1.36E-03	2.53E-07	1.17E-05	6.73E-13	4.78E-10	1.23E-08	2.18E-05	1.55E-11	2.63E-07	2.35E-03	2.65E-05	3.02E-04	1.22E-07
IN	BN004-S	283.53	6.14E+01	--	1.42E-17	1.22E-13	2.20E-01	1.30E-02	1.03E+03	2.16E+02	6.94E-19	2.05E-02	--	1.01E-13	2.23E-02	2.38E-04	1.80E-10	2.43E-01	2.58E-02	3.39E-03	6.96E-03	1.52E-03
IN	BN161-S	61.88	1.18E+01	--	--	--	1.06E-02	2.96E-03	2.27E+02	4.79E+01	1.31E-19	4.30E-03	--	--	1.12E-06	3.30E-05	3.99E-11	3.10E-05	3.58E-03	2.36E-04	1.54E-03	6.67E-10
IN	BN211-S	545.88	1.14E+02	2.52E-07	--	6.90E-17	1.22E-01	2.65E-02	2.00E+03	4.27E+02	1.12E-18	3.97E-02	--	5.72E-17	2.80E-03	3.21E-04	3.55E-10	3.07E-02	3.48E-02	2.68E-03	1.37E-02	4.61E-06
IN	BN243-S	152.72	8.56E+00	--	1.11E-17	7.02E-18	9.76E-03	1.60E-03	1.07E+02	2.21E+01	6.33E-20	2.47E-03	--	5.80E-18	1.24E-06	2.61E-05	1.84E-11	3.17E-05	2.83E-03	3.51E-04	7.11E-04	3.84E-10
IN	BN252-S	168.27	4.30E+01	--	--	2.21E-17	9.75E-02	1.07E-02	9.64E+02	1.91E+02	7.01E-19	2.27E-02	--	1.72E-17	1.64E-05	1.23E-04	1.59E-10	3.76E-04	1.33E-02	1.18E-03	6.16E-03	3.53E-09
IN	BN296-S	492.08	1.47E+02	--	1.05E-17	4.58E-16	1.64E-01	2.48E-02	1.67E+03	3.43E+02	9.19E-19	3.88E-02	--	4.02E-16	5.38E-04	2.84E-04	2.85E-10	6.14E-03	3.08E-02	1.00E+00	1.10E-02	6.48E-04
IN	BN304-S	322.14	1.20E+01	--	--	2.09E-14	1.26E-02	4.64E+00	2.95E+01	2.06E+01	8.85E-20	1.93E-02	--	2.08E-14	1.51E-06	5.15E-02	1.71E-11	3.95E-05	5.59E+00	7.36E-05	6.63E-04	2.38E-02
IN	BN510-S	2311.90	1.62E+02	--	--	1.67E-14	1.82E-01	5.80E-02	2.68E+03	5.35E+02	1.75E-18	5.05E-02	--	1.35E-14	1.13E-03	9.99E-03	4.44E-10	1.26E-02	1.09E+00	1.01E+00	1.72E-02	2.23E-02
IN	BN835-S	958.88	6.58E+00	--	--	4.00E-15	1.04E-02	4.27E-01	2.82E+00	1.65E+00	1.14E-20	1.81E-03	--	3.42E-15	1.56E-06	4.74E-03	1.38E-12	3.73E-05	5.14E-01	3.03E-06	5.32E-05	2.14E-04
IN	BN836-S	1088.64	3.31E-01	--	--	1.40E-14	2.13E-03	4.73E-01	2.30E+00	1.45E+00	1.86E-21	1.86E-03	--	1.13E-14	4.14E-07	5.21E-03	1.21E-12	9.06E-06	5.66E-01	3.06E-05	4.67E-05	1.34E-05
IN	BNINW216-S	3621.20	4.67E+03	--	--	2.30E-15	4.22E+00	3.59E-02	1.18E+03	2.72E+02	1.26E-18	1.62E-01	--	1.80E-15	4.48E-04	1.70E-03	2.27E-10	1.24E-02	1.87E-01	2.56E-02	8.76E-03	1.66E+00
IN	BNINW218-S	475.58	8.80E+00	--	--	5.16E-16	2.68E-01	6.88E-04	4.36E+01	8.28E+00	3.15E-20	1.35E-03	--	4.12E-16	5.54E-05	1.63E-04	6.90E-12	1.19E-03	1.79E-02	1.83E-03	2.67E-04	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	3.49E-02	--	--	--	3.14E-05	7.39E-06	7.11E-01	1.51E-01	3.70E-22	1.34E-05	--	--	3.31E-09	8.21E-08	1.26E-13	9.15E-08	8.91E-06	7.32E-07	4.86E-06	2.08E-12
IN	ID-RF-S3114-S	95.54	1.27E+00	--	--	7.19E-17	1.19E-03	1.39E-04	1.32E+01	2.60E+00	9.36E-21	2.57E-04	--	5.88E-17	1.32E-07	5.22E-06	2.16E-12	3.58E-06	5.67E-04	2.45E-05	8.35E-05	8.77E-05
IN	ID-RF-S3150-A-S	165.96	6.95E+00	--	--	7.46E-16	7.34E-03	1.78E-03	1.25E+02	2.57E+01	9.61E-20	2.40E-03	--	6.25E-16	8.88E-07	5.20E-03	2.14E-11	2.31E-05	5.64E-01	2.15E-04	8.27E-04	1.84E-04
IN	ID-RF-S5100-A-S	525.75	1.36E+01	--	--	4.42E-16	1.21E-02	2.53E-03	2.40E+02	5.08E+01	1.27E-19	4.73E-03	--	3.66E-16	9.60E-05	3.63E-05	4.23E-11	1.06E-03	3.94E-03	2.70E-04	1.63E-03	4.50E-06
IN	ID-RF-S5126-S	148.89	2.47E+01	--	--	4.83E-11	2.29E-02	5.77E-03	5.04E+02	1.08E+02	3.37E-19	9.88E-03	--	3.28E-16	1.97E-02	2.17E-04	9.02E-11	2.14E-01	2.36E-02	5.31E-04	3.49E-03	1.53E-09
IN	ID-RF-S5300-A-S	1429.67	2.03E+01	1.56E-08	4.50E-18	6.44E-16	2.06E-02	1.57E-03	1.53E+02	3.18E+01	5.93E-19	3.59E-03	--	4.42E-16	2.63E-02	2.03E-04	2.64E-11	2.85E-01	2.21E-02	6.93E-04	1.02E-03	8.31E-04
IN	IN-BN004	437.22	1.15E+01	--	--	--	1.04E-02	1.31E-03	1.64E+02	3.43E+01	--	2.76E-03	--	--	1.11E-06	2.03E-05	3.08E-11	3.06E-05	2.15E-03	1.75E-04	1.15E-03	4.45E-10
IN	IN-BN161	439.30	8.07E+01	--	--	--	7.61E-02	1.71E-02	1.61E+03	3.39E+02	--	3.05E-02	--	--	8.46E-06	2.40E-04	2.97E-10	2.28E-04	2.54E-02	1.72E-03	1.12E-02	4.86E-09
IN	IN-BN211	424.74	8.48E+01	1.96E-07	--	2.94E-17	9.53E-02	1.68E-02	1.55E+03	3.31E+02	--	3.09E-02	--	2.40E-17	2.23E-03	2.56E-04	2.90E-10	2.39E-02	2.71E-02	2.13E-03	1.10E-02	3.58E-06
IN	IN-BN-243	347.36	8.28E+00	--	--	--	7.50E-03	1.58E-03	1.94E+02	3.98E+01	--	8.01E-03	--	--	7.99E-07	2.45E-05	3.58E-11	2.20E-05	2.59E-03	3.50E-04	1.33E-03	9.79E-06
IN	IN-BN252	146.85	3.60E+01	--	--	1.08E-17	8.54E-02	7.69E-03	8.41E+02	1.66E+02	--	1.99E-02	--	8.27E-18	1.50E-05	1.10E-04	1.46E-10	3.37E-04	1.16E-02	1.05E-03	5.50E-03	3.16E-09
IN	IN-BN296	925.39	2.66E+02	--	7.60E-18	4.83E-16	3.10E-01	3.83E-02	3.13E+03	6.43E+02	--	7.29E-02	--	4.17E-16	1.04E-03	5.47E-04	5.62E-10	1.16E-02	5.80E-02	1.88E+00	2.12E-02	1.22E-03
IN	IN-BN304	222.56	7.99E+00	--	--	8.12E-15	8.76E-03	2.63E+00	2.04E+01	1.42E+01	--	1.34E-02	--	7.94E-15	1.11E-06	3.65E-02	1.24E-11	2.82E-05	3.86E+00	5.13E-05	4.68E-04	1.65E-02
IN	IN-BN-510	11650.46	1.44E+03	3.23E-03	--	--	1.35E+00	9.41E+00	1.67E+04	3.78E+03	1.60E-17	3.36E-01	--	--	4.52E+01	1.17E-01	1.43E+00	4.85E+02	1.27E+01	5.09E-01	1.24E-01	1.26E-02
IN	IN-BN835	1219.05	4.64E-03	--	--	--	4.17E-06	1.95E+00	3.62E+00	3.41E+00	--	6.33E-06	--	--	4.40E-10	2.99E-02	3.06E-12	1.21E-08	3.17E+00	3.86E-06	1.14E-04	1.02E-12
IN	IN-BN836	2043.09	3.22E-02	--	--	--	2.89E-05	1.39E+00	1.06E-01	5.06E-02	--	4.93E-05	--	--	3.05E-09	2.13E-02	4.54E-14	8.44E-08	2.25E+00	1.13E-07	1.69E-06	7.95E-12
IN	IN-BNINW216	4431.23	3.60E+03	--	--	--	3.30E+00	6.74E-03	8.51E+02	1.78E+02	--	1.43E-02	--	--	3.56E-04	1.04E-04	1.60E-10	9.74E-03	1.10E-02	9.09E-04	5.97E-03	2.30E-09
IN	IN-BNINW218	945.00	3.24E+01	--	--	--	2.93E-02	2.78E-04	3.33E+01	6.96E+00	--	5.58E-04	--	--	3.12E-06	4.09E-06	6.18E-12	8.59E-05	4.35E-04	3.54E-05	2.32E-04	8.95E-11
IN	IN-GEM-01	7.28	6.41E-01	--	--	--	5.46E-04	1.04E-05	1.54E+00	3.26E-01	5.76E-22	1.87E-05	--	--	5.44E-08	1.18E-07	2.73E-13	1.55E-06	1.27E-05	1.59E-06	1.05E-05	2.91E-12
IN	IN-GEM-02	5.41	4.76E-01	--	--	--	4.06E-04	7.72E-06	1.14E+00	2.42E-01	4.28E-22	1.39E-05	--	--	4.04E-08	8.73E-08	2.03E-13	1.15E-06	9.45E-06	1.18E-06	7.82E-06	2.16E-12
IN	IN-ID-RF-S3114	3608.01	1.26E+02	--	--	4.64E-15	1.23E-01	1.21E-02	1.35E+03	2.65E+02	--	2.64E-02	--	3.74E-15	1.42E-05	5.45E-04	2.29E-10	3.77E-04	5.81E-02	2.54E-03	8.71E-03	8.99E-03
IN	IN-ID-RF-S3150-A	178.88	3.39E+01	--	--	2.81E-15	3.67E-02	8.08E-04	6.23E+02	1.28E+02	--	1.19E-02	--	2.34E-15	4.54E-06	2.61E-02	1.09E-10	1.17E-04	2.80E+00	1.08E-03	4.16E-03	9.18E-04
IN	IN-ID-RF-S5126-A	291.20	3.33E+02	--	--	3.81E-10	3.24E-01	6.65E-02	7.06E+03	1.52E+03	--	1.39E-01	--	2.54E-15	2.81E-01	3.12E-03	1.33E-09	2.99E+00	3.31E-01	7.61E-03	5.01E-02	2.20E-08
IN	IN-ID-RF-S5300-A	12285.00	1.69E+02	1.34E-07	1.87E-17	3.57E-15	1.78E-01	1.16E-02	1.31E+03	2.73E+02	--	3.09E-02	--	2.42E-15	2.29E-01	1.78E-03	2.35E-10	2.45E+00	1.90E-01	5.98E-03	8.94E-03	7.14E-03
IN	IN-ID-SDA-Debris	5541.33	3.31E+03	1.20E+01	--	--	3.27E+00	3.82E-01	6.24E+03	1.52E+03	--	--	--	--	1.46E-02	6.97E-02	1.63E-08	1.59E-01	7.33E+00	5.57E-01	3.35E-01	1.16E+01
IN	IN-ID-SDA-Sludge	11811.28	7.05E+03	2.56E+01	--	--	6.96E+00	8.15E-01	1.33E+04	3.23E+03	--	--	--	--	3.11E-02	1.48E-01	3.47E-08	3.40E-01	1.56E+01	1.19E+00	7.14E-01	2.48E+01
IN	IN-ID-SDA-Soil	665.60	3.97E+02	1.45E+00	--	--	3.92E-01	4.59E-02	7.49E+02	1.82E+02	--	--	--	--	1.75E-03	8.37E-03	1.95E-09	1.92E-02	8.80E-01	6.69E-02	4.02E-02	1.40E+00
IN	INW161.001-S	19.14	6.92E+00	--	--	--	5.91E-03	1.59E-03	1.53E+02	3.19E+01	1.11E-19	3.51E-03	--	--	5.90E-07	2.10E-05	2.67E-11	1.67E-05	2.27E-03	2.45E-04	1.03E-03	5.56E-06
IN	IN-W163.1007	11.47	2.31E+00	--	--	--	2.02E-03	8.20E-04	8.43E+01	1.71E+01	--	4.21E-03	--	--	2.08E-07	1.05E-05	1.47E-11	5.82E-06	1.12E-03	8.81E-05	5.61E-04	6.64E-10
IN	IN-W167.149	383.30	5.03E+00	--	--	--	4.41E-03	1.27E-03	1.30E+02	2.65E+01	--	5.36E-03	--	--	4.53E-07	1.62E-05	2.27E-11	1.27E-05	1.73E-03	1.36E-04	8.66E-04	8.44E-10
IN	INW169.001-S	19.14	1.19E+00	--	--	--	1.01E-03	1.98E-04	1.91E+01	3.94E+00	1.54E-20	5.90E-04	--	--	1.01E-07	5.00E-06	3.30E-12	2.87E-06	5.41E-04	9.20E-05	1.27E-04	4.37E-06
IN	IN-W181.162	80.29	1.06E+00	--	--	--	9.33E-04	2.52E-04	2.64E+01	5.53E+00	--	4.44E-04	--	--	9.58E-08	3.23E-06	4.76E-12	2.68E-06	3.45E-04	2.76E-05	1.81E-04	7.00E-11
IN	IN-W188.160	149.11	1.96E+00	--	--	--	1.71E-03	6.95E-04	7.15E+01	1.45E+01	--	2.99E-03	--	--	1.76E-07	8.90E-06	1.25E-11	4.93E-06	9.51E-04	7.47E-05	4.76E-04	4.72E-10
IN	INW198.001-S	49.09	1.68E+00	--	--	--	1.43E-03	3.58E-04	3.67E+01	7.57E+00	2.69E-20	8.86E-04	--	--	2.41E-05	5.39E-06	6.34E-12	2.63E-04	5.83E-04	7.35E-05	2.45E-04	5.90E-05
IN	INW211.001-S	303.92	2.06E+02	--	--	--	1.76E-01	3.98E-02	3.53E+03	7.28E+02	3.30E-18	1.40E-01	--	--	1.21E-03	4.89E-04	6.09E-10	1.34E-02	5.28E-02	4.59E-03	2.35E-02	1.47E-03
IN	INW216.001-S	1245.06	1.10E+04	--	--	--	9.45E+00	3.36E-02	3.17E+03	6.57E+02	2.75E-18	1.18E-01	--	--	4.03E-03	6.17E-03	5.51E-10	6.01E-02	6.72E-01	1.06E-01	2.12E-02	3.89E+00

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	INW218.001-S	1110.87	1.68E+02	--	--	--	1.43E-01	5.01E-03	4.83E+02	9.98E+01	4.14E-19	1.70E-02	--	--	1.04E-03	8.70E-03	8.37E-11	1.15E-02	9.53E-01	1.03E-01	3.23E-03	8.74E+00
IN	IN-W219.110	7.70	3.70E-01	--	--	--	3.24E-04	8.76E-05	9.19E+00	1.92E+00	--	1.54E-04	--	--	3.33E-08	1.12E-06	1.65E-12	9.32E-07	1.20E-04	9.60E-06	6.30E-05	2.43E-11
IN	IN-W219.914	1.89	3.00E-02	--	--	--	2.62E-05	7.08E-06	7.45E-01	1.56E-01	--	1.25E-05	--	--	2.70E-09	9.06E-08	1.34E-13	7.55E-08	9.68E-06	7.78E-07	5.11E-06	1.97E-12
IN	INW222.001-S	65.10	1.45E+01	--	--	--	1.24E-02	2.98E-03	2.76E+02	5.72E+01	2.21E-19	7.39E-03	--	--	1.24E-06	4.20E-05	4.79E-11	3.51E-05	4.55E-03	3.89E-04	1.85E-03	7.02E-03
IN	IN-W222.116	259.02	2.50E+01	--	--	--	2.18E-02	8.76E-03	8.97E+02	1.83E+02	--	3.70E-02	--	--	2.25E-06	1.12E-04	1.57E-10	6.29E-05	1.20E-02	9.38E-04	5.99E-03	5.83E-09
IN	INW243.001-S	74.88	1.81E+01	--	--	--	1.55E-02	3.07E-03	2.30E+02	4.75E+01	1.95E-19	6.80E-03	--	--	2.29E-04	5.23E-05	3.98E-11	2.51E-03	5.66E-03	6.85E-04	1.54E-03	3.17E-04
IN	INW247.001R1-S	116.90	2.35E+01	--	--	--	2.01E-02	7.32E-03	4.03E+02	8.49E+01	3.55E-19	7.90E-03	--	--	6.96E-04	8.44E-05	7.12E-11	7.56E-03	9.12E-03	4.22E-04	2.75E-03	1.23E-09
IN	INW252.001-S	60.94	1.72E+01	--	--	--	1.47E-02	3.61E-03	2.93E+02	6.14E+01	3.58E-19	6.80E-03	--	--	1.47E-06	4.83E-05	5.14E-11	4.16E-05	5.22E-03	5.27E-04	1.98E-03	1.06E-09
IN	IN-W263.520	280.07	1.79E-02	--	--	--	1.57E-05	1.07E-01	1.85E+01	2.71E-02	--	2.64E-05	--	--	1.61E-09	1.37E-03	2.33E-14	4.51E-08	1.46E-01	1.93E-05	8.86E-07	4.16E-12
IN	IN-W267.1005	11.47	4.16E+00	--	--	--	3.64E-03	1.48E-03	1.51E+02	3.08E+01	--	8.04E-03	--	--	3.74E-07	1.89E-05	2.65E-11	1.05E-05	2.02E-03	1.58E-04	1.01E-03	1.27E-09
IN	INW276.001-S	10.19	1.58E+00	--	--	--	1.37E-03	6.90E-04	3.08E+01	6.50E+00	2.74E-20	6.53E-04	--	--	1.38E-07	8.22E-06	5.50E-12	3.89E-06	8.86E-04	3.22E-05	2.11E-04	1.02E-10
IN	INW276.002-S	16.02	2.49E+00	--	--	--	2.14E-03	1.04E-03	4.64E+01	9.75E+00	4.31E-20	9.80E-04	--	--	6.75E-05	1.23E-05	8.23E-12	7.33E-04	1.33E-03	4.88E-05	3.16E-04	1.53E-10
IN	INW276.003-S	186.58	9.49E+01	--	--	--	8.13E-02	3.86E-02	1.68E+03	3.53E+02	1.74E-18	3.65E-02	--	--	4.81E-03	4.50E-04	2.97E-10	5.21E-02	4.86E-02	1.77E-03	1.14E-02	1.12E-06
IN	INW276.004-S	46.80	2.20E+01	--	--	--	1.88E-02	8.07E-03	3.56E+02	7.50E+01	3.65E-19	7.63E-03	--	--	4.18E-03	9.50E-05	6.31E-11	4.52E-02	1.03E-02	3.97E-04	2.43E-03	1.19E-09
IN	INW296.001-S	97.76	3.80E+01	--	--	--	3.25E-02	8.61E-03	4.98E+02	1.04E+02	4.43E-19	1.10E-02	--	--	9.36E-04	1.05E-04	8.75E-11	1.02E-02	1.14E-02	6.66E-04	3.37E-03	3.96E-04
IN	IN-W315.601	34.41	4.19E+02	--	--	--	3.67E-01	2.62E-04	2.75E+01	5.76E+00	--	4.60E-04	--	--	3.77E-05	3.36E-06	4.95E-12	1.06E-03	3.59E-04	2.88E-05	1.89E-04	7.26E-11
IN	IN-W319.584	4.79	6.42E-01	--	--	--	5.62E-04	2.28E-04	2.33E+01	4.76E+00	--	1.40E-03	--	--	5.77E-08	2.92E-06	4.09E-12	1.62E-06	3.12E-04	2.44E-05	1.56E-04	2.20E-10
IN	IN-W321.1023	11.47	5.56E+00	--	--	--	4.87E-03	1.97E-03	2.03E+02	4.13E+01	--	6.75E-03	--	--	5.00E-07	2.53E-05	3.55E-11	1.40E-05	2.70E-03	2.12E-04	1.35E-03	1.07E-09
IN	IN-W322.851	1.89	--	--	--	--	--	--	8.86E+00	1.69E+00	--	--	--	--	--	--	1.45E-12	--	--	2.57E-04	5.54E-05	--
IN	IN-W322.952	1.66	--	--	--	--	--	--	2.36E+01	4.52E+00	--	--	--	--	--	--	3.88E-12	--	--	6.83E-04	1.48E-04	--
IN	IN-W323.562	1.89	1.88E-02	--	--	--	1.65E-05	3.55E-04	2.42E-01	--	--	--	--	--	1.69E-09	4.55E-06	--	4.75E-08	4.86E-04	9.61E-05	--	--
IN	IN-W323.951	1.46	1.56E-01	--	--	--	1.37E-04	2.95E-05	2.02E+00	--	--	--	--	--	1.40E-08	3.78E-07	--	3.93E-07	4.03E-05	8.00E-04	--	--
IN	IN-W332.661	4.79	--	--	--	--	--	4.40E-03	1.16E-01	--	--	--	--	--	--	5.64E-05	--	--	6.02E-03	1.21E-07	--	--
IN	IN-W337.673	0.21	--	--	--	--	--	--	2.95E+00	5.65E-01	--	--	--	--	--	--	4.86E-13	--	--	8.54E-05	1.85E-05	--
IN	IN-W337.957	1.89	--	--	--	--	--	--	8.86E+00	1.69E+00	--	--	--	--	--	--	1.45E-12	--	--	2.57E-04	5.54E-05	--
IN	IN-W342.652	1.89	8.72E-01	--	--	--	7.63E-04	--	3.91E-02	1.12E-13	--	--	2.10E-12	--	7.84E-08	--	1.51E-26	2.20E-06	--	4.08E-08	1.17E-18	--
IN	IN-W342.953	0.42	5.82E-01	--	--	--	5.10E-04	--	2.61E-02	7.48E-14	--	--	1.40E-12	--	5.24E-08	--	1.01E-26	1.47E-06	--	2.72E-08	7.79E-19	--
IN	IN-W347.818	153.90	5.05E-01	--	--	--	4.42E-04	--	7.42E+01	1.22E+02	--	--	--	--	4.54E-08	1.35E-08	2.86E-05	1.27E-06	2.89E-06	1.69E-04	3.99E-03	9.77E-04
IN	IN-W348.1012	22.94	1.03E+01	--	--	--	9.02E-03	3.64E-03	3.74E+02	7.62E+01	--	1.53E-02	--	--	9.27E-07	4.66E-05	6.55E-11	2.59E-05	4.98E-03	3.91E-04	2.49E-03	2.41E-09
IN	IN-W353.917	0.21	--	--	--	--	6.91E-05	--	2.42E-02	--	--	--	--	--	1.49E-08	--	--	3.14E-07	--	2.53E-08	--	--
IN	IN-W357.1022	4.79	2.01E-02	--	--	--	1.76E-05	7.13E-06	7.30E-01	1.49E-01	--	3.41E-05	--	--	1.81E-09	9.12E-08	1.28E-13	5.07E-08	9.74E-06	7.63E-07	4.87E-06	5.37E-12
IN	IN-W358.854	1.89	--	--	--	--	--	1.14E-01	1.83E+00	3.25E+00	--	--	--	--	--	1.38E-03	2.76E-12	--	1.48E-01	1.90E-06	1.06E-04	--
IN	IN-W358.855	3.33	--	--	--	--	--	6.07E-01	9.75E+00	1.73E+01	--	--	--	--	--	7.37E-03	1.47E-11	--	7.92E-01	1.01E-05	5.63E-04	--
IN	IN-W358.948	0.21	--	--	--	--	--	1.27E-01	2.03E+00	3.61E+00	--	--	--	--	--	1.54E-03	3.06E-12	--	1.65E-01	2.11E-06	1.17E-04	--
IN	IN-W361.1021	11.47	1.95E+00	--	--	--	1.71E-03	6.91E-04	7.09E+01	1.45E+01	--	2.84E-03	--	--	1.76E-07	8.84E-06	1.24E-11	4.92E-06	9.45E-04	7.41E-05	4.74E-04	4.48E-10
IN	IN-W362.1020	45.88	2.54E+01	--	--	--	2.22E-02	9.02E-03	9.26E+02	1.89E+02	--	3.61E-02	--	--	2.28E-06	1.15E-04	1.62E-10	6.39E-05	1.23E-02	9.68E-04	6.17E-03	5.69E-09
IN	IN-W363.1019	4.79	1.19E+00	--	--	--	1.04E-03	4.24E-04	4.36E+01	8.83E+00	--	1.52E-03	--	--	1.07E-07	5.43E-06	7.59E-12	3.01E-06	5.80E-04	4.56E-05	2.89E-04	2.40E-10
IN	IN-W364.1011	4.79	1.97E+00	--	--	--	1.72E-03	6.99E-04	7.16E+01	1.46E+01	--	3.77E-03	--	--	1.77E-07	8.94E-06	1.25E-11	4.96E-06	9.56E-04	7.48E-05	4.77E-04	5.95E-10
IN	IN-W365.1010	11.47	6.82E+01	--	--	--	5.97E-02	5.56E-04	5.71E+01	1.16E+01	--	2.48E-03	--	--	6.14E-06	7.11E-06	9.97E-12	1.72E-04	7.60E-04	5.97E-05	3.80E-04	3.92E-10
IN	IN-W366.841	16.26	1.56E+00	--	--	--	1.37E-03	4.73E-04	4.83E+01	9.81E+00	--	1.92E-03	--	--	1.41E-07	6.05E-06	8.43E-12	3.94E-06	6.46E-04	5.05E-05	3.21E-04	3.02E-10
IN	IN-W372.832	1.89	8.72E-01	--	--	--	7.63E-04	--	3.91E-02	1.12E-13	--	--	2.10E-12	--	7.84E-08	--	1.51E-26	2.20E-06	--	4.08E-08	1.17E-18	--
IN	IN-W375.1096	199.78	4.91E-01	--	--	--	4.30E-04	1.74E-04	1.79E+01	3.65E+00	--	7.38E-04	--	--	4.42E-08	2.23E-06	3.14E-12	1.24E-06	2.38E-04	1.87E-05	1.19E-04	1.16E-10
KN	KN-B234PCBTRU	0.42	1.41E-03	--	--	--	1.21E-06	3.24E-07	1.28E-02	3.99E-03	6.54E-24	4.77E-07	--	--	1.74E-06	1.54E-08	3.45E-08	1.88E-05	1.66E-06	7.36E-08	1.29E-07	6.91E-07
KN	KN-B234TRU	968.06	7.24E+01	--	--	--	6.18E-02	1.66E-02	6.61E+02	2.06E+02	3.35E-19	1.77E-03	--	--	5.99E-03	2.32E-04	1.26E-04	6.49E-02	2.51E-02	9.00E-04	6.64E-03	1.73E-02
LA	LA-LAMHD01	241.23	2.54E+02	2.84E-02	2.44E-19	1.77E-15	2.32E-01	5.22E-01	6.59E+03	1.50E+03	4.19E-06	3.38E+00	3.03E-06	8.69E-16	9.65E-03	8.08E-03	8.72E-07	1.03E-01	8.55E-01	7.38E-03	4.94E-02	7.13E-03
LA	LA-LAMHD02238	368.09	4.48E+00	--	--	--	3.82E-03	5.76E+00	1.24E+01	5.83E+00	5.32E-04	5.55E-03	--	--	3.81E-07	7.04E-02	4.87E-12	1.08E-05	7.63E+00	1.28E-05	1.88E-04	8.64E-10
LA	LA-LAMHD03	5.62	1.21E+00	8.83E-06	--	--	1.14E-03	6.16E-02	8.32E+00	1.92E+00	--	1.37E-03	8.72E-10	--	1.26E-07	8.69E-04	1.70E-12	3.41E-06	9.21E-02	1.12E-05	6.38E-05	2.90E-07
LA	LA-LAMIN02V	42.92	1.57E+01	--	--	--	1.34E-02	3.34E-03	3.76E+02	8.24E+01	4.09E-19	5.18E-03	--	--	1.33E-06	3.74E-05	6.87E-11	3.78E-05	4.05E-03	3.87E-04	2.65E-03	8.05E-10
LA	LA-LAMIN03NC	0.62	5.88E-01	--	--	--	4.99E-04	1.26E-04	1.40E+01	3.07E+00	1.60E-20	1.93E-04	--	--	4.95E-08	1.40E-06	2.56E-12	1.41E-06	1.51E-04	1.44E-05	9.90E-05	3.00E-11
LA	LA-LAMIN04S	322.24	7.14E+02	--	--	--	6.07E-01	1.31E-01	9.90E+03	2.34E+03	1.30E-17	1.61E+00	7.88E-07	--	6.04E-05	1.47E-03	1.95E-09	1.72E-03	1.59E-01	1.02E-02	7.53E-02	2.51E-07
LA	LA-LA-NCD01	434.62	7.04E+01	8.37E-04	--	--	6.63E-02	5.73E-01	1.59E+03	3.54E+02	1.62E-18	2.40E-02	--	--	7.31E-06	6.64E-03	2.96E-10	1.98E-04	7.19E-01	1.82E-02	1.14E-02	2.05E-04
LA	LA-LANHD01	269.76	9.95E+01	--	--	--	8.76E-02	3.41E-01	2.43E+03	5.34E+02	2.80E-04	3.42E-02	--	--	9.04E-06	6.26E-03	4.61E-10	2.53E-04	6.67E-01	2.83E-03	1.75E-02	3.28E-06
LA	LA-LANHD02238	2245.18	7.19E+01	9.43E-05	--	--	6.41E-02	8.72E+01	2.02E+02	9.44E+01	8.42E-04	8.87E-02	--	--	6.73E-06	1.15E+00	8.05E-11	1.87E-04	1.23E+02	2.10E-04	3.08E-03	1.39E-08
LA	LA-LANIN03NC	1119.02	1.76E+03	2.96E+00	--	--	2.46E+00	1.02E+01	3.61E+04	8.24E+03	4.35E-17	6.63E-01	--	--	3.51E-04	1.14E-01	6.87E-09	8.55E-03	1.24E+01	3.72E-02	2.66E-01	1.03E-07
LA	LA-MHD01.001-S	487.32	2.44E+03	7.64E-01	2.68E-17	3.67E-14	2.24E+00	1.17E+00	4.00E+04	1.73E+03	2.17E-04	1.45E+00	--	2.37E-11	4.69E-02	2.78E-02	4.52E-06	5.13E-01	2.11E+00	4.34E-02	5.57E-02	2.20E-03
LA	LA-MHD02.001-S	13.52	3.89E-01	3.64E-05	--	1.21E-16	4.12E-04	5.34E-01	1.35E+00	6.29E-01	8.08E-05	7.17E-04	--	5.91E-17	2.84E-07	8.92E-03	5.23E-13	3.84E-06	9.69E-01	2.02E-06	2.02E-05	1.11E-10
LA	LA-MHD02238	0.21	3.30E-03	--	--	--	2.80E-06	4.28E-03	8.46E-03	3.99E-03	1.00E-22	3.57E-06	--	--	2.79E-10	4.80E-05	3.33E-15	7.93E-09	5.20E-03	8.71E-09	1.29E-07	5.54E-13
LA	LA-MHD03.001-S	47.01	2.75E+00	2.82E-03	--	9.58E-14	5.28E-03	1.70E-02	2.43E+01	6.35E+00	1.92E-06	2.57E-03	--	4.69E-14	8.46E-07	2.56E-04	5.28E-12	1.98E-05	2.78E-02	4.99E-05	2.04E-04	1.50E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-MIN03-NC.001-S	248.69	2.75E+01	2.66E-04	--	1.78E-12	2.51E-02	1.82E-03	1.05E+02	1.41E+01	1.64E-08	1.58E-02	--	6.59E-13	2.71E-06	1.08E-04	1.18E-11	7.42E-05	1.17E-02	3.53E-04	4.55E-04	7.93E-05
LA	LA-OS-00-01	118.14	2.49E+03	--	--	1.86E-10	2.14E+00	3.62E-01	--	--	--	--	--	--	2.14E-04	4.20E-03	--	6.07E-03	4.53E-01	--	--	--
LA	LA-OS-00-01.001-S	75.71	9.71E+01	--	--	7.68E-12	8.22E-02	1.94E+00	6.76E+02	1.87E+02	2.38E-19	5.64E-02	--	3.23E-12	8.16E-06	2.63E-02	1.55E-10	2.32E-04	2.86E+00	7.24E-04	6.02E-03	9.90E-07
LA	LA-OS-00-01-S	0.42	5.44E-01	--	--	1.30E-14	4.76E-04	5.23E-04	4.64E+00	4.36E+00	1.98E-21	9.63E-05	--	5.95E-15	4.89E-08	9.24E-02	3.65E-12	1.37E-06	6.45E-04	4.79E-06	1.41E-04	1.50E-11
LA	LA-OS-00-03	14.56	4.91E+00	--	--	--	4.21E-03	--	--	--	--	--	--	--	4.22E-07	--	--	1.20E-05	--	--	--	--
LA	LA-PX-00-01	0.62	2.59E-03	--	--	--	2.24E-06	1.45E-06	5.44E-02	1.18E-02	2.83E-23	--	--	--	2.26E-10	1.74E-08	1.00E-14	6.38E-09	1.87E-06	5.65E-08	3.84E-07	--
LA	LA-TA-00-01	322.96	7.15E+00	7.44E-03	2.01E-16	--	1.18E-02	1.23E-01	1.08E+02	1.88E+01	3.25E-04	1.04E-01	1.06E-04	--	1.16E-04	1.85E-03	1.10E-07	1.25E-03	1.95E-01	1.16E-04	6.28E-04	7.62E-05
LA	LA-TA-00-02	0.21	3.29E-01	--	--	--	2.83E-04	6.70E-04	1.04E-02	1.57E-01	6.76E-21	1.15E-01	1.61E-07	--	2.84E-08	7.85E-06	1.32E-13	8.04E-07	8.46E-04	1.08E-08	5.09E-06	1.79E-08
LA	LA-TA-03-01	0.21	1.03E-02	--	--	--	1.54E-05	1.55E-06	1.78E-01	3.91E-02	1.68E-22	2.46E-06	--	--	2.27E-09	1.78E-08	3.28E-14	5.46E-08	1.92E-06	1.84E-07	1.26E-06	3.83E-13
LA	LA-TA-03-03	13.52	1.86E-01	8.35E-04	--	9.06E-17	1.01E-03	3.63E-03	4.04E+00	8.88E-01	3.52E-21	5.89E-05	--	4.42E-17	2.89E-07	4.37E-05	7.48E-13	4.27E-06	4.71E-03	1.25E-05	2.88E-05	4.82E-08
LA	LA-TA-03-04	0.42	2.28E-02	--	--	--	3.71E-05	5.33E-04	2.79E-01	6.15E-02	2.87E-22	4.29E-06	--	--	5.65E-09	6.08E-06	5.15E-14	1.34E-07	6.58E-04	2.88E-07	1.99E-06	6.68E-13
LA	LA-TA-03-05	3.14	1.14E-02	--	--	--	2.41E-05	9.61E-05	2.37E-01	5.28E-02	2.02E-22	3.63E-06	--	--	4.00E-09	1.13E-06	4.45E-14	9.21E-08	1.21E-04	1.36E-05	1.71E-06	3.74E-05
LA	LA-TA-03-06	0.21	4.57E-02	2.50E-04	--	--	7.05E-05	7.49E-05	2.92E-01	6.40E-02	2.76E-22	4.08E-06	--	--	1.05E-08	8.62E-07	5.37E-14	2.52E-07	9.32E-05	3.01E-07	2.07E-06	6.36E-13
LA	LA-TA-03-07	3.74	6.96E-02	4.27E-04	--	9.94E-17	6.30E-04	2.52E-05	1.50E+00	3.07E-01	1.28E-21	2.09E-05	--	2.53E-17	1.26E-07	2.92E-07	2.58E-13	2.73E-06	3.16E-05	7.84E-06	9.92E-06	6.13E-08
LA	LA-TA-03-08	37.80	7.16E-02	5.82E-04	--	2.39E-15	1.25E-04	1.07E-03	3.15E-01	5.03E-02	2.02E-22	3.95E-06	--	--	1.97E-08	1.28E-05	4.25E-14	4.62E-07	1.38E-03	1.95E-04	1.63E-06	5.67E-04
LA	LA-TA-03-09	33.15	4.92E+00	4.33E-03	--	2.61E-16	5.93E-02	2.86E-03	2.40E+01	5.28E+00	9.17E-07	1.02E-02	1.08E-08	--	1.21E-05	3.41E-05	4.47E-12	2.60E-04	3.67E-03	1.39E-04	1.71E-04	3.97E-05
LA	LA-TA-03-10	485.93	9.02E+00	5.74E-02	--	2.82E-16	3.07E-02	1.66E-01	1.36E+02	2.96E+01	1.24E-19	2.05E-03	--	--	5.62E-06	1.93E-03	2.49E-11	1.25E-04	2.08E-01	1.37E-03	9.59E-04	1.45E-04
LA	LA-TA-03-12	200.53	6.54E+00	1.39E-02	2.09E-19	1.48E-14	6.84E-03	6.61E-02	7.26E+01	1.68E+01	1.05E-05	2.93E-02	2.36E-08	4.96E-15	8.35E-07	1.05E-03	1.10E-08	2.16E-05	1.11E-01	1.86E-03	5.77E-04	9.15E-06
LA	LA-TA-03-13	23.30	9.25E-01	1.54E-04	--	1.27E-15	1.44E-03	1.76E-02	2.03E+01	4.31E+00	--	3.58E-04	--	5.56E-16	2.19E-07	2.49E-04	3.87E-12	5.20E-06	2.67E-02	9.57E-05	1.44E-04	2.81E-07
LA	LA-TA-03-14	56.77	1.79E+00	4.52E-03	--	4.69E-13	2.01E-03	2.83E-02	1.56E+01	3.85E+00	--	1.13E-02	1.00E-08	3.34E-12	2.60E-07	4.34E-04	3.64E-12	6.57E-06	4.56E-02	1.77E-04	1.32E-04	5.02E-06
LA	LA-TA-03-15	8.94	2.98E-01	4.52E-03	--	4.66E-16	3.85E-04	2.39E-03	1.87E+00	4.10E-01	--	2.25E-03	1.75E-09	2.31E-16	5.35E-08	3.18E-05	3.85E-13	1.31E-06	3.41E-03	7.79E-06	1.41E-05	8.45E-07
LA	LA-TA-03-16	28.29	1.06E+00	--	--	--	1.89E-03	3.64E-03	1.38E+01	5.13E+00	--	1.64E-03	--	--	3.05E-07	5.12E-05	4.47E-12	7.05E-06	5.43E-03	1.46E-05	1.69E-04	2.61E-10
LA	LA-TA-03-18	0.62	--	--	3.77E-16	--	--	--	6.05E-03	4.04E-01	--	--	--	--	--	--	3.59E-13	--	--	6.43E-09	1.35E-05	--
LA	LA-TA-03-19	51.17	3.09E-01	--	--	2.51E-15	3.08E-04	1.32E-02	4.26E+00	1.33E+00	--	5.05E-04	--	1.23E-15	3.61E-08	1.98E-04	1.18E-12	9.50E-07	2.08E-02	4.53E-06	4.43E-05	8.09E-11
LA	LA-TA-03-20	24.54	2.82E-01	--	--	--	1.71E-03	1.37E-01	6.39E+00	1.70E+00	--	3.50E-04	--	--	3.48E-07	1.95E-03	1.49E-12	7.45E-06	2.06E-01	6.75E-06	5.62E-05	5.58E-11
LA	LA-TA-03-21	98.66	1.13E-01	--	--	--	3.30E-04	7.86E-03	3.54E+00	8.23E-01	--	9.43E-05	--	--	6.16E-08	1.17E-04	7.31E-13	1.35E-06	1.23E-02	3.76E-06	2.74E-05	1.51E-11
LA	LA-TA-03-23	68.66	2.74E-03	--	--	--	2.47E-06	4.52E-04	1.13E-01	2.46E-02	--	1.84E-06	--	--	2.63E-10	6.66E-06	2.18E-14	7.25E-09	7.01E-04	1.20E-07	8.18E-07	2.94E-13
LA	LA-TA-03-24	9.36	5.52E-01	--	--	--	8.68E-04	2.98E-03	9.71E+00	3.07E+00	--	7.79E-04	--	--	1.35E-07	4.46E-05	2.73E-12	3.16E-06	4.69E-03	1.03E-05	1.02E-04	1.25E-10
LA	LA-TA-03-25	0.21	1.25E-03	--	--	--	1.10E-06	4.16E-07	5.32E-02	1.15E-02	--	7.39E-07	--	--	1.14E-10	5.41E-09	9.91E-15	3.18E-09	5.77E-07	5.57E-08	3.77E-07	1.17E-13
LA	LA-TA-03-26	6.66	9.73E-02	--	--	--	8.82E-05	4.37E-03	4.53E+01	9.04E-01	--	6.05E-05	--	--	9.43E-09	2.39E-04	4.89E-12	2.59E-07	2.51E-02	3.78E-03	1.08E-04	5.31E-06
LA	LA-TA-03-28	6.03	1.11E-01	--	--	--	9.99E-05	8.51E-04	4.04E+00	6.89E-01	--	1.07E-04	--	--	1.06E-08	1.24E-05	6.10E-13	2.92E-07	1.31E-03	4.28E-06	2.29E-05	1.71E-11
LA	LA-TA-03-29	0.42	1.73E-02	--	--	--	1.54E-05	5.52E-02	1.09E-01	3.94E-02	--	3.15E-05	--	--	1.61E-09	7.58E-04	3.44E-14	4.46E-08	8.03E-02	1.15E-07	1.30E-06	5.01E-12
LA	LA-TA-03-30	7.77	1.76E-02	1.33E-06	--	3.28E-16	1.71E-05	2.07E-05	5.16E-02	1.51E-02	--	9.70E-07	--	--	1.96E-09	3.02E-07	1.34E-14	5.21E-08	3.19E-05	4.03E-07	5.02E-07	1.55E-13
LA	LA-TA-03-31	0.21	2.68E-02	--	--	--	2.37E-05	8.79E-06	1.14E+00	2.47E-01	--	1.59E-05	--	--	2.45E-09	1.17E-07	2.14E-13	6.84E-08	1.24E-05	1.20E-06	8.10E-06	2.51E-12
LA	LA-TA-03-32	0.21	--	--	--	--	--	--	1.73E-01	--	--	--	--	--	--	--	--	--	--	2.33E-05	--	--
LA	LA-TA-03-33	2.10	5.26E-05	--	--	4.84E-17	1.84E-04	--	--	--	--	--	--	--	4.09E-08	1.71E-10	--	8.50E-07	3.60E-08	--	--	1.20E-05
LA	LA-TA-03-34	39.69	3.16E-03	--	--	6.52E-18	2.74E-06	8.99E-04	3.73E-02	3.85E-03	--	2.48E-07	--	--	2.78E-10	1.10E-05	3.28E-15	7.83E-09	1.18E-03	2.70E-06	1.25E-07	6.16E-06
LA	LA-TA-03-40	28.35	--	--	--	--	--	1.68E-04	7.35E+00	--	--	--	--	--	--	2.33E-06	--	--	2.47E-04	3.85E-05	--	--
LA	LA-TA-03-42	96.39	7.67E-04	--	--	--	6.85E-07	3.71E-05	5.84E-01	7.12E-03	--	4.58E-07	--	--	7.20E-11	5.19E-07	6.24E-15	1.99E-09	5.49E-05	6.16E-07	2.35E-07	7.30E-14
LA	LA-TA-21-05	0.42	2.46E-02	--	--	--	2.22E-05	7.49E-06	1.01E+00	2.23E-01	--	1.67E-05	--	--	2.36E-09	1.10E-07	1.97E-13	6.51E-08	1.16E-05	2.07E-05	7.41E-06	2.67E-12
LA	LA-TA-21-06	256.90	8.83E+00	--	--	--	7.98E-03	4.46E+00	1.98E+02	5.54E+01	--	1.12E-02	--	--	8.49E-07	6.58E-02	4.91E-11	2.34E-05	6.92E+00	1.14E-03	1.84E-03	1.80E-09
LA	LA-TA-21-07	678.79	4.17E+00	2.83E-09	--	--	3.78E-03	3.19E+00	1.98E+02	3.52E+01	--	3.40E-03	--	--	4.04E-07	4.79E-02	3.13E-11	1.11E-05	5.03E+00	2.41E-04	1.17E-03	2.01E-03
LA	LA-TA-21-08	3.54	9.92E-02	--	--	--	8.97E-05	2.71E-02	2.62E+00	6.81E-01	--	1.12E-04	--	--	9.54E-09	3.99E-04	6.04E-13	2.63E-07	4.20E-02	2.78E-06	2.26E-05	1.79E-11
LA	LA-TA-21-09	4.37	7.01E-02	--	--	--	1.34E-04	4.45E-01	3.48E-01	7.52E-02	--	3.94E-04	--	--	2.25E-08	6.56E-03	6.67E-14	5.13E-07	6.91E-01	3.70E-07	2.50E-06	6.31E-11
LA	LA-TA-21-10	0.21	--	--	--	--	--	--	4.88E-01	--	--	--	--	--	--	--	--	--	--	5.17E-07	--	--
LA	LA-TA-21-11	24.57	--	--	--	--	--	1.56E-04	2.05E+01	--	--	--	--	--	--	2.32E-06	--	--	2.43E-04	2.18E-05	--	--
LA	LA-TA-21-12	202.87	1.62E+01	--	--	--	1.46E-02	1.33E+01	2.68E+02	8.16E+01	--	2.28E-02	--	--	3.94E+00	1.94E-01	7.23E-11	4.15E+01	2.05E+01	2.34E-03	2.71E-03	3.65E-09
LA	LA-TA-21-13	2934.38	2.48E+03	--	--	--	2.25E+00	5.44E-02	1.20E+02	--	--	--	--	--	2.41E-04	8.76E-04	1.10E-04	6.62E-03	9.20E-02	2.41E-02	--	1.12E-02
LA	LA-TA-21-14	85.39	--	--	--	--	--	--	9.03E+00	--	--	--	--	--	--	--	--	--	--	9.54E-06	--	--
LA	LA-TA-21-15	3.54	7.82E-02	--	--	--	7.05E-05	2.39E-05	4.59E+00	7.31E-01	--	4.71E-05	--	--	7.49E-09	3.50E-07	6.48E-13	2.07E-07	3.68E-05	4.87E-06	2.43E-05	7.54E-12
LA	LA-TA-21-16	79.87	1.58E+01	--	--	--	1.42E-02	6.24E-03	6.15E+02	1.36E+02	--	1.24E-02	--	--	1.51E-06	9.12E-05	1.20E-10	4.16E-05	9.60E-03	3.95E-03	4.50E-03	1.98E-09
LA	LA-TA-21-17	0.62	5.89E-04	--	--	--	5.33E-07	1.79E-07	2.56E-02	5.52E-03	--	3.56E-07	--	--	5.66E-11	2.64E-09	4.90E-15	1.56E-09	2.78E-07	2.72E-08	1.84E-07	5.69E-14
LA	LA-TA-21-18	15.12	2.52E+01	--	--	--	2.39E-02	7.63E-03	1.26E+02	4.64E+01	--	2.87E-04	--	--	2.66E-06	1.07E-04	4.07E-11	7.17E-05	1.13E-02	1.32E-04	1.53E-03	4.58E-11
LA	LA-TA-21-40	1097.45	1.17E-01	--	--	2.76E-17	1.18E-04	4.07E-01	3.25E+02	7.96E-01	--	5.14E-05	1.75E-04	8.53E-17	5.00E-07	5.68E-03	6.98E-13	5.52E-06	6.02E-01	3.43E-04	2.63E-05	1.36E-06
LA	LA-TA-21-41	22.68	--	--	--	--	--	--	1.77E+01	--	--	--	--	--	--	--	--	--	--	1.87E-05	--	--
LA	LA-TA-21-42	103.95	1.52E+00	--	--	--	1.49E-03	1.36E-03	2.05E+01	--	--	--	--	--	1.72E-07	1.90E-05	--	4.56E-06	2.01E-03	6.36E-05	--	--
LA	LA-TA-48-01	8.32	5.22E-02	1.89E-05	--	2.43E-14	1.64E-04	1.48E-04	5.93E-01	1.37E-01	6.05E-22	4.26E-06	--	--	7.47E-04	1.86E-06	1.15E-13	8.09E-03	2.01E-04	6.12E-07	4.43E-06	6.64E-13
LA	LA-TA-50-01	0.83	3.11E-03	6.51E-06	--	6.01E-14	2.66E-06	6.64E-08	8.45E-04	--	--	--	--	--	2.66E-10	1.71E-06	--	7.55E-09	1.85E-04	3.42E-06	--	--

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-50-02	0.62	6.16E-03	--	--	1.46E-17	5.51E-06	1.05E-04	3.40E-02	--	6.41E-23	--	--	--	5.78E-10	1.21E-06	--	1.60E-08	1.31E-04	3.60E-07	--	--
LA	LA-TA-50-05	0.21	3.48E-03	--	--	--	2.97E-06	9.49E-06	1.44E-01	3.55E-03	1.11E-23	--	--	--	2.97E-10	1.08E-07	2.97E-15	8.43E-09	1.17E-05	1.52E-07	1.15E-07	--
LA	LA-TA-50-06	3.55	2.40E+00	--	--	--	2.10E-03	9.35E-04	3.55E+00	1.95E+00	--	3.02E-03	--	--	2.15E-07	1.19E-05	1.68E-12	6.03E-06	1.27E-03	3.71E-06	6.38E-05	4.75E-10
LA	LA-TA-50-10	21.01	4.25E+00	--	--	--	3.67E-03	5.49E-02	9.84E+01	2.16E+01	7.87E-20	1.49E-03	--	--	3.70E-07	6.57E-04	1.83E-11	1.04E-05	7.08E-02	4.79E-04	7.02E-04	1.35E-02
LA	LA-TA-50-11	1.04	6.46E-02	--	--	--	5.76E-05	1.92E-05	2.45E+00	5.13E-01	--	3.30E-05	--	--	6.03E-09	2.66E-07	4.48E-13	1.67E-07	2.82E-05	2.58E-06	1.69E-05	5.24E-12
LA	LA-TA-50-12	13.21	3.20E-03	--	--	--	2.99E-06	5.84E-05	9.06E-02	--	--	--	--	--	3.29E-10	1.50E-05	--	8.92E-09	3.08E-03	9.58E-08	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	2.68E-06	--	--	--	--	--	--	--	3.50E-08	--	--	3.73E-06	--	--	--
LA	LA-TA-50-14	0.42	1.05E-02	--	--	--	9.32E-06	9.20E-07	1.51E-02	--	--	--	--	--	9.76E-10	1.28E-08	--	2.71E-08	1.35E-06	1.59E-08	--	--
LA	LA-TA-50-15	142.15	3.00E+00	--	--	4.74E-11	2.66E-03	7.55E-02	3.61E+01	7.40E+00	--	5.35E-04	--	1.90E-11	2.78E-07	1.03E-03	6.56E-12	7.72E-06	1.10E-01	1.68E-03	2.46E-04	1.47E-07
LA	LA-TA-50-16	13.23	9.74E-02	7.44E-03	--	3.07E-13	3.66E-03	1.01E-03	6.15E-01	8.29E-02	--	8.67E-06	--	--	7.74E-07	1.26E-05	7.08E-14	1.64E-05	1.35E-03	6.41E-07	2.70E-06	1.36E-12
LA	LA-TA-50-17	329.02	8.46E+01	3.74E-09	--	6.05E-12	7.49E-02	1.33E-02	4.22E+02	--	--	1.94E-06	--	1.00E-13	1.16E-03	7.31E-04	--	1.25E-02	7.77E-02	8.39E-03	--	1.80E-05
LA	LA-TA-50-18	100.26	2.08E+01	--	--	--	1.88E-02	6.13E-03	2.90E+02	8.36E-02	--	--	--	--	1.89E-03	9.12E-05	7.43E-14	2.00E-02	9.59E-03	3.21E-04	2.78E-06	--
LA	LA-TA-50-19	897.31	5.17E+01	6.07E-05	--	7.49E-14	4.70E-02	2.43E-02	2.63E+02	1.20E+00	--	1.35E-04	--	3.66E-14	5.03E-06	3.72E-04	1.06E-12	1.38E-04	3.91E-02	4.09E-04	3.99E-05	1.20E-05
LA	LA-TA-50-20	0.62	1.11E-03	--	--	--	9.95E-07	--	5.86E-03	--	--	--	--	--	1.05E-10	--	--	2.90E-09	--	6.19E-09	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	5.88E-04	--	--	--	--	--	--	--	--	--	--	6.20E-10	--	--
LA	LA-TA-50-41	35.91	3.67E-02	--	--	--	3.20E-05	1.25E-05	1.55E+00	3.35E-01	--	2.15E-05	--	--	3.28E-09	1.57E-07	2.86E-13	9.19E-08	1.68E-05	1.62E-06	1.09E-05	3.39E-12
LA	LA-TA-54-01	18.90	1.07E-02	1.05E-05	--	6.04E-14	1.09E-05	2.02E-04	9.18E-02	1.77E-02	8.55E-23	1.14E-06	--	--	1.29E-09	2.28E-06	1.48E-14	3.39E-08	2.47E-04	5.65E-07	5.72E-07	1.77E-13
LA	LA-TA-55-01	1.04	1.78E-01	--	--	--	1.53E-04	1.47E-03	4.26E+00	9.35E-01	3.34E-21	6.00E-05	--	--	1.55E-08	1.76E-05	7.91E-13	4.36E-07	1.89E-03	4.42E-06	3.03E-05	9.40E-12
LA	LA-TA-55-02	1.87	2.53E-01	6.24E-06	--	--	2.33E-04	5.35E-05	6.06E+00	1.33E+00	4.46E-21	8.45E-05	--	--	2.52E-08	8.18E-06	1.13E-12	6.89E-07	8.80E-04	3.97E-05	4.32E-05	3.39E-05
LA	LA-TA-55-03	65.14	1.46E+01	5.64E-04	--	7.28E-17	1.35E-02	3.09E-01	2.74E+02	6.32E+01	7.51E-06	3.39E-01	2.01E-07	3.60E-17	1.47E-06	4.16E-03	5.36E-11	4.01E-05	4.48E-01	4.32E-04	2.05E-03	1.88E-06
LA	LA-TA-55-04	22.97	1.11E+00	7.26E-04	1.07E-19	--	9.73E-04	4.69E-03	2.58E+01	5.70E+00	2.09E-20	4.90E-03	--	--	9.99E-08	5.59E-05	4.82E-12	2.80E-06	6.02E-03	3.52E-05	1.85E-04	2.51E-06
LA	LA-TA-55-05	140.52	7.86E+00	2.47E-04	5.82E-19	6.08E-17	6.91E-03	7.47E-01	1.45E+02	3.33E+01	1.21E-05	1.20E-01	9.07E-08	3.03E-17	7.14E-07	9.30E-03	2.83E-11	2.00E-05	9.99E-01	7.18E-04	1.08E-03	2.54E-05
LA	LA-TA-55-06	1.04	7.13E-02	--	--	--	6.15E-05	1.45E-05	1.70E+00	3.75E-01	1.34E-21	2.43E-05	--	--	6.21E-09	1.73E-07	3.17E-13	1.75E-07	1.86E-05	1.96E-06	1.22E-05	2.59E-09
LA	LA-TA-55-07	10.40	2.80E+00	2.41E-05	--	7.89E-18	2.46E-03	3.13E-02	4.29E+01	1.00E+01	4.64E-20	1.83E-01	1.87E-07	3.93E-18	2.53E-07	3.77E-04	8.47E-12	7.08E-06	4.05E-02	1.70E-04	3.25E-04	9.48E-07
LA	LA-TA-55-08	25.78	5.58E-01	--	--	--	4.86E-04	2.55E-02	1.31E+01	2.88E+00	7.57E-06	2.15E-04	--	--	4.96E-08	4.04E-04	2.44E-12	1.39E-06	4.34E-02	1.36E-05	9.35E-05	3.36E-11
LA	LA-TA-55-09	6.24	9.16E-01	5.75E-06	--	--	7.92E-04	1.22E-01	1.71E+01	3.90E+00	1.61E-20	1.86E-02	8.86E-10	--	8.04E-08	1.69E-03	3.31E-12	2.26E-06	1.82E-01	2.93E-05	1.27E-04	7.07E-05
LA	LA-TA-55-10	3.74	5.97E-01	2.58E-06	--	4.03E-18	5.23E-04	2.24E-02	1.09E+01	2.46E+00	1.08E-20	1.36E-02	--	2.00E-18	5.39E-08	2.69E-04	2.08E-12	1.51E-06	2.90E-02	1.77E-05	7.98E-05	2.12E-09
LA	LA-TA-55-11	2.91	1.43E-01	1.24E-06	--	--	1.35E-04	1.13E-02	3.13E+00	6.94E-01	3.37E-21	4.45E-04	--	--	1.49E-08	1.29E-04	5.81E-13	4.04E-07	1.40E-02	4.79E-06	2.24E-05	6.93E-11
LA	LA-TA-55-12	6.90	1.18E-01	--	--	--	1.05E-04	1.18E-01	7.20E-01	2.30E-01	1.43E-05	1.26E-04	--	--	1.10E-08	1.49E-03	1.94E-13	3.04E-07	1.61E-01	2.30E-04	7.45E-06	8.75E-07
LA	LA-TA-55-14	641.77	1.18E+04	--	--	--	1.02E+01	6.72E-01	7.84E+03	1.81E+03	6.99E-18	6.42E+00	4.86E-06	--	1.03E-03	8.15E-03	1.53E-09	2.91E-02	8.76E-01	1.71E-02	5.88E-02	3.80E-03
LA	LA-TA-55-15	18.30	2.34E+01	--	--	--	2.02E-02	3.01E-01	5.19E+02	1.17E+02	4.19E-19	9.39E-03	--	--	2.04E-06	3.62E-03	9.91E-11	5.76E-05	3.89E-01	5.38E-04	3.80E-03	1.47E-09
LA	LA-TA-55-17B	22.24	2.09E-01	--	--	--	1.80E-04	1.61E-03	5.01E+00	1.10E+00	4.32E-21	7.05E-05	--	--	1.81E-08	1.89E-05	9.26E-13	5.12E-07	2.03E-03	5.19E-06	3.56E-05	1.10E-11
LA	LA-TA-55-18	2.50	2.03E-01	--	--	--	1.80E-04	3.59E-02	1.78E+01	1.75E+00	--	5.45E-03	5.07E-09	--	1.87E-08	4.80E-04	1.52E-12	5.20E-07	5.11E-02	1.87E-05	5.75E-05	8.63E-10
LA	LA-TA-55-19	4612.83	2.31E+02	7.03E-03	1.69E-18	3.76E-16	2.11E-01	4.64E+00	4.62E+03	1.23E+03	2.79E-05	3.43E+00	2.95E-06	6.87E-17	7.75E-03	6.80E-02	3.34E-08	8.25E-02	7.20E+00	1.48E-02	4.18E-02	7.85E-03
LA	LA-TA-55-19.01-S	81.42	1.66E+01	3.97E-03	--	4.54E-17	1.81E-02	6.09E-03	2.42E+02	5.52E+01	2.06E-19	1.66E-01	--	--	2.24E-06	1.19E-03	4.64E-11	5.78E-05	1.25E-01	4.77E-04	1.79E-03	3.86E-04
LA	LA-TA-55-19.02-S	228.99	9.33E+01	7.04E-02	--	2.74E-14	1.01E-01	6.12E-02	7.93E+02	2.05E+02	1.08E-18	1.24E+00	--	1.25E-14	4.30E-04	9.77E-03	2.06E-05	4.84E-03	8.77E-01	1.77E-03	6.61E-03	1.53E-03
LA	LA-TA-55-20	55.14	8.77E+00	3.72E-04	--	5.41E-17	9.16E-03	5.44E-01	1.83E+02	4.29E+01	--	3.99E-01	1.51E-07	2.68E-17	1.11E-06	7.16E-03	3.72E-11	2.88E-05	7.67E-01	7.01E-04	1.41E-03	8.93E-05
LA	LA-TA-55-21	174.32	2.47E+01	7.47E-05	--	8.79E-18	2.22E-02	7.96E-01	6.64E+02	1.68E+02	--	2.00E-01	1.60E-07	3.95E-18	2.34E-06	1.15E-02	1.52E-10	6.47E-05	1.22E+00	1.37E-03	5.65E-03	3.02E-03
LA	LA-TA-55-22	88.96	4.67E+00	6.24E-05	3.76E-18	1.66E-16	4.12E-03	8.23E-01	8.74E+01	2.00E+01	--	2.05E-02	1.88E-08	2.10E-17	4.27E-07	1.04E-02	1.72E-11	1.19E-05	1.12E+00	1.05E-04	6.55E-04	6.62E-06
LA	LA-TA-55-23	34.32	6.79E+00	1.85E-05	--	--	6.10E-03	5.41E-02	2.04E+02	4.88E+01	--	6.03E-03	--	--	6.44E-07	7.48E-04	4.27E-11	1.78E-05	7.93E-02	2.33E-04	1.61E-03	4.25E-07
LA	LA-TA-55-24	5.20	7.33E-01	5.80E-05	--	--	8.90E-04	2.58E-02	2.12E+01	4.70E+00	--	3.87E-04	--	--	1.19E-07	3.34E-04	4.08E-12	2.97E-06	3.58E-02	1.68E-04	1.54E-04	3.16E-05
LA	LA-TA-55-25	15.65	3.82E+00	4.46E-05	--	--	3.42E-03	1.86E-01	1.36E+02	2.74E+01	--	1.68E-01	1.58E-07	--	3.61E-07	2.51E-03	2.38E-11	9.99E-06	2.67E-01	1.43E-04	9.01E-04	2.66E-08
LA	LA-TA-55-26	2.29	8.23E-01	--	--	--	7.21E-04	3.40E-02	1.74E+00	6.24E-01	--	9.03E-02	8.57E-08	--	7.41E-08	4.28E-04	5.35E-13	2.07E-06	4.58E-02	1.81E-06	2.04E-05	1.42E-08
LA	LA-TA-55-27	0.42	5.75E-04	--	--	--	5.11E-07	1.85E-07	2.46E-02	5.32E-03	--	3.42E-07	--	--	5.33E-11	2.52E-09	4.63E-15	1.48E-09	2.67E-07	2.59E-08	1.75E-07	5.43E-14
LA	LA-TA-55-28	1.04	6.15E-02	--	--	--	5.34E-05	2.04E-05	4.65E+00	5.32E-01	--	3.42E-05	--	--	5.44E-09	2.52E-07	4.54E-13	1.53E-07	2.71E-05	4.84E-06	1.73E-05	5.37E-12
LA	LA-TA-55-29	8.32	7.06E-01	--	--	--	6.13E-04	6.64E-01	4.91E+00	1.56E+00	--	4.74E-02	3.62E-08	--	6.25E-08	8.21E-03	1.33E-12	1.76E-06	8.80E-01	5.11E-06	5.08E-05	7.45E-09
LA	LA-TA-55-30	2262.94	4.43E+02	9.11E-03	--	3.62E-16	4.03E-01	1.00E+01	8.45E+03	2.12E+03	--	8.82E+00	7.74E-06	1.76E-16	2.27E-04	1.43E-01	6.98E-07	3.10E-03	1.51E+01	1.60E-02	7.03E-02	7.92E-02
LA	LA-TA-55-30-S	95.32	2.77E+01	5.91E-03	--	4.07E-13	3.14E-02	1.35E-02	2.40E+02	6.25E+01	2.79E-19	5.98E-02	--	1.98E-13	8.77E-04	2.44E-04	3.28E-05	9.54E-03	2.64E-02	4.63E-04	2.02E-03	5.58E-04
LA	LA-TA-55-31	76.03	1.69E+01	7.96E-06	--	--	1.49E-02	1.26E-02	4.64E+02	1.11E+02	--	1.05E+00	9.89E-07	--	1.54E-06	2.14E-04	9.70E-11	4.30E-05	2.29E-02	6.63E-04	3.66E-03	1.60E-05
LA	LA-TA-55-32	8.36	1.54E+00	--	--	--	1.37E-03	8.47E-01	2.02E+01	5.35E+00	--	1.51E-02	1.31E-08	--	1.43E-07	1.16E-02	5.20E-12	3.97E-06	1.23E+00	9.70E-05	1.87E-04	7.08E-07
LA	LA-TA-55-33	2.50	7.67E-02	--	--	--	6.84E-05	2.56E-05	8.31E-01	3.75E-01	--	1.26E-04	--	--	7.17E-09	3.55E-07	3.28E-13	1.99E-07	3.76E-05	8.76E-07	1.24E-05	2.01E-11
LA	LA-TA-55-34	70.51	7.12E+01	--	--	--	6.32E-02	1.80E-02	1.77E+03	4.13E+02	--	1.42E-01	9.66E-08	--	9.09E-04	3.74E-04	3.61E-10	9.78E-03	3.97E-02	2.43E-03	1.36E-02	2.80E-02
LA	LA-TA-55-35	1.46	2.11E+01	--	--	--	1.84E-02	3.13E-04	2.94E+01	6.45E+00	--	8.64E-03	7.78E-09	--	1.89E-06	5.75E-06	5.58E-12	5.30E-05	6.15E-04	3.66E-05	2.12E-04	5.69E-08
LA	LA-TA-55-36	78.02	1.46E+03	--	--	--	1.28E+00	9.24E-02	1.08E+03	2.41E+02	--	5.79E-01	4.76E-07	--	1.32E-04	1.34E-03	2.08E-10	3.68E-03	1.43E-01	1.77E-03	7.90E-03	1.85E-02
LA	LA-TA-55-37	3.33	1.17E+01	--	--	--	1.02E-02	2.88E-04	1.96E+01	5.04E+00	--	6.76E-04	--	--	1.03E-06	3.48E-04	4.29E-12	2.91E-05	3.74E-02	1.54E-03	1.64E-04	4.50E-02
LA	LA-TA-55-38	374.82	1.82E+03	3.61E-01	--	--	1.63E+00	8.09E-01	6.37E+03	1.63E+03	--	1.82E+00	1.44E-06	--	9.22E-03	1.30E-02	2.30E-03	1.01E-01	1.38E+00	1.37E-02	5.42E-02	2.71E-01
LA	LA-TA-55-39	69.26	8.04E+01	--	--	--	7.14E-02	3.03E-02	3.29E+03	7.15E+02	--	2.71E-01	2.07E-07	--	7.45E-06	4.14E-04	6.23E-10	2.07E-04	4.39E-02	3.46E-03	2.36E-02	8.02E-08
LA	LA-TA-55-40	1.25	2.20E+01	--	--	--	1.93E-02	2.40E-04	2.21E+01	4.95E+00	--	4.95E-03	4.35E-09	--	1.98E-06	3.07E-06	4.26E-12	5.54E-05	3.28E-04	2.31E-05	1.62E-04	7.82E-10

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-41	18.95	2.89E+02	--	--	--	2.53E-01	5.89E-03	3.55E+02	7.95E+01	3.47E-06	3.70E-01	3.46E-07	--	2.60E-05	7.54E-05	6.83E-11	7.29E-04	8.05E-03	3.71E-04	2.60E-03	5.84E-08
LA	LA-TA-55-42	0.62	4.81E-02	--	--	--	4.16E-05	6.75E-02	1.41E-01	6.63E-02	1.14E-21	5.98E-05	--	--	4.22E-09	8.19E-04	5.63E-14	1.19E-07	8.80E-02	1.47E-07	2.16E-06	9.37E-12
LA	LA-TA-55-43	13.82	4.52E-01	1.78E-06	--	--	4.10E-04	1.73E-01	9.13E+00	2.42E+00	--	6.03E-04	--	--	4.39E-08	2.45E-03	1.50E-06	1.21E-06	2.60E-01	9.69E-06	7.97E-05	9.59E-11
LA	LA-TA-55-43.01-S	190.89	1.36E-01	1.31E-05	--	--	1.54E-04	1.60E-01	4.53E-01	6.85E-01	1.85E-21	5.32E-04	--	--	1.97E-08	2.20E-03	4.58E-06	5.01E-07	2.38E-01	4.69E-07	2.22E-05	8.32E-11
LA	LA-TA-55-44	0.42	1.18E-02	--	--	--	1.01E-05	4.61E-06	3.06E-01	7.88E-02	5.00E-22	1.25E-05	--	--	1.01E-09	5.26E-08	6.60E-14	2.86E-08	5.69E-06	3.16E-07	2.55E-06	1.95E-12
LA	LA-TA-55-46	0.21	1.87E-05	--	--	--	1.65E-08	2.17E-05	4.93E-05	2.32E-05	--	2.08E-08	--	--	1.70E-12	2.85E-07	2.01E-17	4.75E-11	3.04E-05	5.17E-11	7.63E-10	3.29E-15
LA	LA-TA-55-47	2.10	6.65E-04	--	--	--	5.78E-07	3.87E-05	2.72E-02	5.90E-03	--	4.12E-07	--	--	5.89E-11	4.78E-07	5.03E-15	1.66E-09	5.13E-05	2.83E-08	1.92E-07	6.47E-14
LA	LA-TA-55-50	2.93	9.44E-03	--	--	--	8.13E-06	7.30E-04	1.61E-01	3.95E-02	1.79E-22	5.04E-06	--	--	8.22E-10	8.70E-06	3.34E-14	2.32E-08	9.37E-04	1.67E-07	1.28E-06	7.89E-13
LA	LA-TA-55-53	11.86	1.36E+01	--	--	--	1.16E-02	2.91E-03	2.96E+02	6.75E+01	2.93E-19	5.46E-03	--	--	1.17E-06	3.38E-05	5.68E-11	3.31E-05	3.65E-03	3.06E-04	2.19E-03	8.53E-10
LA	LA-TA-55-54	1.04	4.01E-01	--	--	--	3.57E-04	1.85E-03	7.80E+00	2.03E+00	--	3.23E-04	--	--	3.73E-08	2.54E-05	1.77E-12	1.04E-06	2.69E-03	8.22E-06	6.70E-05	5.13E-11
LA	LA-TA-55-56	9.36	7.11E+00	1.10E-04	--	1.91E-17	6.81E-03	6.47E-03	1.57E+02	3.60E+01	--	2.82E-03	--	9.40E-18	7.67E-07	9.55E-05	3.13E-11	2.06E-05	1.01E-02	2.12E-04	1.18E-03	3.17E-07
LA	LA-TA-55-60	128.52	1.66E+00	--	--	--	5.17E-03	2.97E-03	1.24E+01	3.94E+00	--	4.03E-01	3.82E-07	--	9.66E-07	4.15E-05	3.46E-12	2.12E-05	4.39E-03	1.30E-05	1.30E-04	4.18E-07
LA	LA-TA-55-61	198.45	1.60E+00	--	--	--	1.42E-03	1.59E-02	2.48E+01	7.83E+00	--	1.78E-02	1.50E-08	--	1.48E-07	2.18E-04	6.84E-12	4.12E-06	2.31E-02	2.61E-05	2.58E-04	2.82E-09
LA	LA-TA-55-62	43.47	9.63E-02	--	--	--	8.59E-05	3.48E-05	9.53E-01	4.23E-01	--	1.56E-04	--	--	9.00E-09	4.83E-07	3.70E-13	2.50E-07	5.11E-05	1.01E-06	1.40E-05	2.48E-11
LA	LA-TA-55-63	3.78	5.31E-03	--	--	--	4.68E-06	1.75E-06	2.26E-01	4.88E-02	--	3.14E-06	--	--	4.84E-10	2.30E-08	4.22E-14	1.35E-08	2.46E-06	2.37E-07	1.60E-06	4.97E-13
LB	LB-T001	1.82	1.41E-02	7.43E-04	--	--	3.03E-04	5.76E-08	3.38E-03	7.66E-04	3.02E-04	7.44E-05	6.77E-11	--	4.85E-04	1.16E-07	9.09E-09	5.25E-03	2.50E-05	3.80E-08	2.48E-08	8.55E-03
LL	BLCHDN.001-S	1.66	2.17E-02	2.03E-03	1.72E-18	--	9.12E-04	2.63E-05	6.70E-05	5.46E-04	9.17E-04	--	--	--	1.89E-07	2.95E-07	4.55E-16	4.05E-06	3.20E-05	3.72E-11	1.76E-08	--
LL	LL-M001	346.58	1.95E+02	2.70E-01	8.68E-15	3.34E-11	1.82E-01	2.30E-01	4.98E+02	1.73E+02	4.21E-02	1.04E-01	1.21E-07	2.38E-16	3.61E-02	2.35E-03	5.06E-06	3.80E-01	2.25E-01	1.24E-03	5.58E-03	2.16E-03
LL	LL-M001-S5400-S	143.14	7.02E+01	1.23E-02	2.68E-16	1.04E-15	1.32E-01	1.08E-01	5.81E+02	1.51E+02	2.70E-03	3.16E-02	--	5.01E-16	2.12E-05	1.38E-03	1.26E-10	4.95E-04	1.49E-01	1.09E-03	4.86E-03	3.54E-03
LL	LL-T004	1.25	3.83E+00	--	1.54E-20	--	3.31E-03	4.64E-04	3.83E+00	1.72E+00	8.78E-21	1.20E-03	--	--	3.36E-07	5.10E-06	1.43E-12	9.46E-06	5.54E-04	3.94E-06	5.54E-05	1.85E-10
LL	LL-W018a	590.42	2.00E+03	1.23E-03	1.01E-18	1.03E-10	1.69E+00	5.13E-01	7.68E+01	3.77E-01	1.59E+01	1.98E-05	1.01E-17	1.59E-10	5.96E-02	5.80E-03	3.13E-13	6.51E-01	6.30E-01	1.35E-04	1.21E-05	3.68E-03
LL	LL-W018b	34.76	4.55E-01	--	1.21E-20	--	3.85E-04	3.95E-05	1.37E+00	3.77E-01	4.20E-21	8.95E-05	--	--	3.82E-08	4.34E-07	3.13E-13	1.09E-06	4.72E-05	1.41E-06	1.21E-05	1.39E-11
LL	LL-W019	15.81	7.93E+00	2.04E-06	1.45E-19	1.42E-15	8.09E-03	6.49E-03	6.31E+01	1.66E+01	9.52E-20	3.74E-03	--	6.96E-16	9.61E-02	7.29E-05	1.38E-11	1.04E+00	7.92E-03	6.58E-04	5.34E-04	1.18E-03
MC	MC-W001	0.21	--	--	--	--	3.95E-05	--	4.90E-03	--	--	--	--	--	8.67E-09	--	--	1.81E-07	--	5.17E-09	--	--
NT	NT-JAS-01	2830.77	1.19E+02	--	--	--	1.02E-01	5.81E-02	2.73E+02	2.04E+02	2.03E-18	--	--	--	1.01E-05	6.57E-04	1.70E-10	2.87E-04	7.12E-02	2.81E-04	6.57E-03	--
NT	NTLBL-S5400-S	1.66	2.25E-01	5.27E-03	7.91E-18	2.62E-15	8.66E-04	4.42E-05	6.53E-01	1.39E-01	3.95E-05	2.11E-05	--	1.28E-15	1.60E-07	4.91E-07	1.16E-13	3.56E-06	5.32E-05	6.72E-07	4.47E-06	3.28E-12
NT	NTLRC-S5400-S	3.12	1.15E+00	3.19E-05	--	5.68E-17	1.22E-03	1.74E-04	6.98E+00	2.37E+00	1.18E-20	2.92E-04	--	2.77E-17	1.47E-07	4.27E-05	1.97E-12	3.84E-06	4.63E-03	1.55E-04	7.63E-05	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	1.03E+00	8.34E-07	--	--	9.10E-04	2.87E-04	2.36E+01	4.95E+00	1.52E-20	4.30E-04	--	--	5.45E-04	1.15E-05	4.11E-12	5.92E-03	1.25E-03	4.21E-05	1.59E-04	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	1.08E+00	--	--	--	9.46E-04	3.61E-04	3.77E+01	6.46E+00	2.29E-20	5.24E-04	--	--	9.72E-08	4.54E-06	5.38E-12	2.72E-06	4.92E-04	3.88E-05	2.08E-04	2.84E-05
NT	NT-RF-METAL-S	6.03	2.37E-01	2.47E-06	--	--	2.12E-04	6.44E-05	6.54E+00	1.50E+00	5.40E-21	1.35E-04	--	--	2.22E-08	4.11E-04	1.25E-12	6.17E-07	4.46E-02	3.41E-05	4.82E-05	2.23E-02
NT	NTS54332R0-S	307.24	3.04E+01	1.18E-02	2.59E-17	1.20E-14	4.00E-02	7.56E-03	3.58E+02	8.66E+01	2.08E-04	1.04E-02	--	6.00E-15	2.00E-02	3.40E-04	7.23E-11	2.17E-01	3.69E-02	1.00E+00	2.79E-03	1.01E-02
NT	NTS54COMR0-S	50.35	7.41E+00	1.90E-02	2.18E-16	4.19E-15	1.11E-02	6.46E-03	4.97E+01	1.10E+01	7.32E-04	1.84E-03	--	2.05E-15	2.40E-02	9.10E-05	9.18E-12	2.60E-01	9.87E-03	6.43E-05	3.55E-04	8.79E-04
NT	NTS54MIX1R0-S	0.42	8.10E-04	8.69E-05	--	3.73E-15	1.48E-06	1.22E-07	2.81E-02	6.25E-03	8.02E-24	6.81E-07	--	--	2.34E-10	1.39E-09	5.23E-15	5.49E-09	1.50E-07	2.90E-08	2.02E-07	1.06E-13
NT	NT-W001	291.38	2.78E+01	5.26E-01	7.80E-18	5.93E-13	2.67E-02	1.80E-02	1.28E+03	7.94E+00	1.88E-04	4.13E-02	4.75E-07	9.79E-16	7.98E-02	2.58E-04	6.86E-12	8.51E-01	2.75E-02	1.39E-03	2.61E-04	7.31E-05
NT	NT-W021	9.58	1.97E+00	--	--	--	1.74E-03	4.71E-04	5.29E+01	1.12E+01	--	1.10E-03	--	--	1.80E-07	2.88E-04	9.67E-12	5.01E-06	3.07E-02	6.31E-04	3.67E-04	2.97E-02
OR	OR-W201	2083.28	3.14E+03	1.05E+00	5.79E-15	6.52E-10	3.10E+00	2.13E+00	2.90E+03	3.65E+03	9.21E-02	2.04E+00	1.14E-06	1.70E-09	1.23E+01	5.69E-01	1.08E-03	1.31E+02	6.05E+01	1.32E-02	8.42E-01	1.75E-01
OR	OR-W202	720.66	9.88E+01	4.84E+00	1.67E-14	2.98E-11	9.93E-01	6.36E-01	2.06E+02	1.81E+02	3.42E-03	2.09E-01	1.25E-05	3.62E-11	8.93E+00	1.42E-02	1.37E-03	9.52E+01	9.36E-01	4.64E-03	6.02E-03	2.74E-02
OR	OR-W203	386.56	8.81E-01	2.26E-01	3.64E-15	6.43E-10	7.46E-04	7.89E-04	5.34E-02	3.09E+00	1.30E-04	3.79E-02	6.37E-08	2.33E-09	7.38E-08	8.69E-06	2.57E-12	2.10E-06	9.44E-04	5.14E-08	9.95E-05	5.48E-09
OR	OR-W204	18.10	2.85E-02	2.87E-04	1.09E-17	9.92E-12	2.51E-05	6.20E-05	1.52E-01	9.13E-02	1.56E-04	6.72E-07	--	6.03E-13	9.83E-03	2.17E-06	7.94E-14	1.05E-01	2.31E-04	1.99E-05	3.01E-06	1.50E-04
OR	OR-W205	101.71	2.89E+01	--	--	--	2.55E-02	6.59E-03	2.78E+02	1.14E+02	--	9.75E-03	--	--	7.58E-04	5.45E-02	7.35E-06	8.13E-03	5.80E+00	7.56E-04	3.74E-03	6.02E-03
RF	RF001.01-S	979.16	3.62E+02	1.07E-03	--	--	3.62E-01	4.38E-02	3.27E+03	7.01E+02	3.90E-18	1.18E-01	--	--	6.98E-03	2.35E-03	5.90E-10	7.61E-02	2.53E-01	1.29E-02	2.27E-02	2.21E-03
RF	RF002.01-S	1461.40	3.63E+02	9.61E-04	--	1.58E-14	3.21E-01	6.50E-02	4.28E+03	9.31E+02	6.32E-18	1.22E-01	--	--	2.04E-03	1.94E-03	7.81E-10	2.27E-02	2.10E-01	1.14E-02	3.01E-02	2.83E-01
RF	RF003.01-S	355.39	6.67E+02	--	--	--	5.76E-01	1.57E-01	1.23E+04	2.75E+03	1.23E-17	2.93E-01	--	--	9.87E-04	1.96E-03	2.31E-09	1.17E-02	2.12E-01	1.32E-02	8.90E-02	1.30E-03
RF	RF004.01-S	282.97	6.01E+01	8.02E-07	--	--	5.25E-02	9.79E-03	6.67E+02	1.43E+02	1.06E-18	1.91E-02	--	--	5.38E-06	3.00E-04	1.20E-10	1.51E-04	3.25E-02	1.35E-03	4.61E-03	7.54E-04
RF	RF005.01-S	119.39	1.07E+03	--	--	--	9.25E-01	6.18E-02	4.65E+03	1.10E+03	2.73E-18	1.01E-01	--	--	9.36E-05	7.30E-04	9.31E-10	2.64E-03	7.87E-02	4.89E-03	3.58E-02	1.58E-08
RF	RF005.02-S	78.42	1.27E+03	--	--	--	1.10E+00	3.65E-02	2.81E+03	6.84E+02	1.51E-18	6.44E-02	--	--	1.10E-04	4.33E-04	5.76E-10	3.12E-03	4.67E-02	2.93E-03	2.22E-02	1.81E-07
RF	RF006.01-S	235.66	5.31E+02	--	--	--	4.66E-01	1.38E-01	8.95E+03	2.00E+03	--	2.96E-01	--	--	4.81E-05	1.76E-03	1.71E-09	1.34E-03	1.89E-01	9.52E-03	6.52E-02	1.43E-06
RF	RF008.01-S	97.15	2.54E+02	--	--	--	2.31E-01	5.91E-02	3.30E+03	8.35E+02	3.63E-18	1.36E-01	--	--	2.47E-05	6.95E-04	7.03E-10	6.80E-04	7.50E-02	3.44E-03	2.70E-02	9.65E-08
RF	RF009.01-S	1326.87	1.35E+04	--	--	--	1.19E+01	5.87E-01	5.34E+04	1.22E+04	3.22E-17	1.36E+00	--	--	1.24E-03	6.91E-03	1.03E-08	3.45E-02	7.45E-01	5.55E-02	3.96E-01	2.93E-06
RF	RF010.01-S	629.55	3.96E+02	3.73E-05	--	--	3.44E-01	7.54E-02	6.08E+03	1.31E+03	6.31E-18	1.59E-01	--	--	3.50E-05	2.01E-03	1.10E-09	9.85E-04	2.17E-01	1.03E-02	4.24E-02	3.58E-03
RF	RF011.01-S	79.52	6.83E+01	--	--	--	5.86E-02	1.88E-02	1.44E+03	3.21E+02	1.33E-18	3.06E-02	--	--	5.88E-06	2.21E-04	2.69E-10	1.66E-04	2.40E-02	1.51E-03	1.04E-02	4.21E-06
RF	RF015.01-S	1.66	1.30E+00	--	--	--	1.19E-03	2.85E-04	1.82E+01	3.93E+00	3.29E-20	5.81E-04	--	--	1.27E-07	3.25E-06	3.29E-12	3.50E-06	3.52E-04	1.88E-05	1.27E-04	9.04E-11
RF	RF029.01-S	4346.98	6.52E+02	1.31E-03	--	1.32E-15	5.78E-01	1.11E-01	6.65E+03	1.48E+03	1.31E-17	2.21E-01	1.15E-14	4.41E-18	6.01E-05	2.00E-03	1.24E-09	1.67E-03	2.17E-01	9.49E-03	4.77E-02	1.26E-03
RF	RF031.01-S	20.59	3.29E+00	--	--	--	2.84E-03	7.00E-04	4.67E+01	1.00E+01	8.16E-20	1.32E-03	--	--	2.87E-07	1.61E-05	8.35E-12	8.10E-06	1.74E-03	7.73E-05	3.23E-04	4.10E-05
RF	RF032.01-S	209.25	5.66E+02	--	--	--	5.05E-01	9.39E-02	8.37E+03	1.81E+03	6.42E-18	1.51E-01	--	--	5.29E-05	1.10E-03	1.52E-09	1.47E-03	1.19E-01	8.70E-03	5.87E-02	5.27E-07
RF	RF033.01-S	25.58	4.08E+01	--	--	--	3.55E-02	1.04E-02	7.76E+02	1.67E+02	9.93E-19	1.84E-02	--	--	3.62E-06	1.22E-04	1.40E-10	1.02E-04	1.32E-02	8.11E-04	5.40E-03	6.00E-05
RF	RF036.01-S	44.10	1.82E+01	7.39E-05	--	--	1.58E-02	4.06E-03	2.57E+02	5.54E+01	5.10E-19	8.16E-03	--	--	1.60E-06	6.82E-05	4.62E-11	4.51E-05	7.40E-03	3.75E-04	1.79E-03	2.98E-03
RF	RF101.01-S	174.96	1.12E+02	9.60E-04	--	--	9.75E-02	2.43E-02	1.64E+03	3.54E+02	2.41E-18	4.60E-02	--	--	9.94E-06	6.61E-04	2.97E-10	2.80E-04	7.15E-02	3.04E-03	1.14E-02	8.53E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF101.29-S	30.39	9.94E+00	--	--	--	8.64E-03	2.32E-03	1.52E+02	3.26E+01	2.08E-19	4.23E-03	--	--	8.80E-07	7.75E-05	2.74E-11	2.47E-05	8.38E-03	3.36E-04	1.06E-03	2.04E-04
RF	RF101.30-S	117.41	8.99E+01	2.85E-04	--	--	7.89E-02	1.16E-02	8.53E+02	1.85E+02	1.05E-18	2.53E-02	--	--	8.12E-06	2.86E-04	1.55E-10	2.27E-04	3.09E-02	1.41E-03	5.99E-03	1.85E-04
RF	RF101.31-S	62.53	1.84E+01	1.24E-05	--	--	1.60E-02	3.17E-03	2.27E+02	4.98E+01	2.67E-19	8.23E-03	--	--	1.63E-06	8.88E-05	4.19E-11	4.58E-05	9.59E-03	4.17E-04	1.61E-03	8.29E-05
RF	RF101.35-S	79.56	6.28E+01	--	--	--	5.53E-02	8.93E-03	6.20E+02	1.34E+02	8.79E-19	2.08E-02	--	--	5.72E-06	8.82E-04	1.12E-10	1.60E-04	9.53E-02	3.36E-03	4.32E-03	2.19E-04
RF	RF102.01-S	223.63	4.78E+01	1.81E-04	--	4.98E-13	4.21E-02	8.91E-03	5.56E+02	1.22E+02	1.00E-18	1.77E-02	--	--	4.34E-06	1.39E-04	1.03E-10	1.21E-04	1.51E-02	7.10E-04	3.95E-03	3.99E-04
RF	RF102.31-S	124.09	3.55E+01	1.75E-05	--	--	3.12E-02	4.13E-03	2.67E+02	5.83E+01	4.44E-19	8.44E-03	--	--	3.21E-06	1.20E-04	4.88E-11	8.99E-05	1.30E-02	5.50E-04	1.88E-03	2.14E-03
RF	RF104.01-S	54.38	3.20E+01	2.07E-04	--	--	2.81E-02	4.85E-03	3.97E+02	8.65E+01	4.55E-19	9.36E-03	--	--	2.89E-06	6.26E-05	7.23E-11	8.09E-05	6.78E-03	4.38E-04	2.79E-03	1.40E-04
RF	RF107.01-S	63.44	5.12E+02	--	--	--	4.50E-01	2.86E-03	1.85E+02	3.97E+01	3.60E-19	5.78E-03	--	--	4.63E-05	1.91E-04	3.31E-11	1.29E-03	2.08E-02	1.30E-03	1.28E-03	5.98E-02
RF	RF107.03-S	60.94	3.60E+00	--	--	--	3.17E-03	3.50E-04	2.25E+01	4.83E+00	4.40E-20	7.06E-04	--	--	3.27E-07	7.24E-04	4.03E-12	9.14E-06	7.95E-02	9.15E-03	1.56E-04	6.86E-01
RF	RF107.04-S	110.31	1.42E+01	--	--	--	1.26E-02	1.25E-03	8.08E+01	1.73E+01	1.57E-19	2.52E-03	--	--	1.30E-06	3.36E-05	1.44E-11	3.62E-05	3.66E-03	2.94E-04	5.58E-04	1.54E-02
RF	RF107.05-S	4.37	1.63E+00	--	--	--	1.41E-03	3.07E-04	1.98E+01	4.25E+00	3.87E-20	6.21E-04	--	--	1.43E-07	9.41E-05	3.55E-12	4.02E-06	1.02E-02	3.38E-04	1.37E-04	2.81E-06
RF	RF107.06-S	14.35	1.88E-01	--	--	--	1.61E-04	4.57E-05	2.97E+00	6.35E-01	5.77E-21	9.25E-05	--	--	1.60E-08	2.20E-05	5.30E-13	4.56E-07	2.42E-03	2.66E-04	2.05E-05	2.01E-02
RF	RF107.07-S	58.88	8.08E+01	1.54E-03	--	--	7.09E-02	1.11E-02	7.03E+02	1.52E+02	1.39E-18	2.23E-02	--	--	7.29E-06	1.38E-03	1.26E-10	2.04E-04	1.50E-01	5.14E-03	4.88E-03	2.20E-03
RF	RF110.01-S	9.15	1.60E+01	1.56E-03	--	--	1.38E-02	1.87E-03	1.22E+02	2.62E+01	1.79E-19	6.54E-03	--	--	1.39E-06	2.94E-05	2.20E-11	3.92E-05	3.18E-03	1.55E-04	8.48E-04	1.94E-04
RF	RF110.05-S	31.53	2.31E+01	--	--	--	1.98E-02	6.15E-03	4.48E+02	9.57E+01	4.09E-19	1.02E-02	--	--	1.99E-06	1.16E-04	8.03E-11	5.63E-05	1.26E-02	6.22E-04	3.09E-03	1.67E-05
RF	RF113.01-S	0.42	2.33E-02	--	--	--	2.08E-05	5.48E-06	3.60E-01	7.72E-02	6.38E-22	1.13E-05	--	--	2.18E-09	6.25E-08	6.46E-14	6.06E-08	6.76E-06	3.71E-07	2.49E-06	1.75E-12
RF	RF115.01-S	114.91	1.25E+02	--	--	--	1.08E-01	3.14E-02	2.46E+03	5.29E+02	1.77E-18	4.93E-02	--	--	1.09E-05	3.65E-04	4.43E-10	3.08E-04	3.95E-02	2.56E-03	1.71E-02	6.25E-04
RF	RF116.01-S	3.95	4.99E+00	--	--	--	4.36E-03	7.69E-04	9.51E+01	2.04E+01	4.44E-20	1.51E-03	--	--	4.48E-07	8.77E-06	1.71E-11	1.26E-05	9.49E-04	9.81E-05	6.58E-04	2.36E-10
RF	RF117.01-S	1.87	1.75E+00	--	--	--	1.52E-03	3.70E-04	2.37E+01	5.11E+00	4.31E-20	7.29E-04	--	--	1.56E-07	1.76E-05	4.27E-12	4.37E-06	1.91E-03	7.14E-05	1.65E-04	4.15E-07
RF	RF118.01-S	1432.29	3.84E+03	1.14E-03	--	--	3.35E+00	1.25E+00	6.47E+04	1.61E+04	6.96E-17	2.18E+00	--	--	3.42E-04	1.71E-02	1.35E-08	9.60E-03	1.84E+00	7.58E-02	5.22E-01	2.00E-04
RF	RF119.01-S	24.13	1.19E+01	--	--	--	1.03E-02	2.23E-03	1.43E+02	3.11E+01	2.69E-19	4.45E-03	--	--	1.05E-06	2.94E-05	2.59E-11	2.96E-05	3.18E-03	1.64E-04	1.00E-03	2.13E-04
RF	RF121.01-S	45.97	6.67E+01	--	--	--	5.68E-02	1.93E-02	1.92E+03	4.23E+02	1.11E-18	3.05E-02	--	--	5.67E-06	2.24E-04	3.54E-10	1.61E-04	2.42E-02	2.00E-03	1.37E-02	1.86E-07
RF	RF122.01-S	35.57	6.49E+01	--	--	--	1.12E-01	1.89E-02	1.33E+03	2.96E+02	9.75E-19	3.47E-02	--	--	1.73E-05	2.15E-04	2.48E-10	4.09E-04	2.33E-02	1.37E-03	9.57E-03	5.41E-09
RF	RF122.03-S	4.37	6.92E+00	--	--	--	6.26E-03	2.12E-04	1.38E+01	2.95E+00	2.68E-20	4.29E-04	--	--	6.64E-07	8.58E-05	2.46E-12	1.83E-05	9.35E-03	6.20E-04	9.52E-05	3.39E-02
RF	RF122.04-S	54.08	6.55E+01	--	--	--	5.91E-02	2.42E-03	1.57E+02	3.36E+01	3.05E-19	4.89E-03	--	--	6.25E-06	3.34E-04	2.80E-11	1.73E-04	3.66E-02	3.66E-03	1.08E-03	2.34E-01
RF	RF122.05-S	16.22	7.61E-01	--	--	--	6.58E-04	8.28E-05	5.30E+00	1.14E+00	1.04E-20	1.67E-04	--	--	6.66E-08	1.86E-04	9.50E-13	1.88E-06	2.02E-02	1.05E-03	3.67E-05	3.90E-02
RF	RF122.06-S	7.28	1.43E+01	--	--	--	1.25E-02	3.01E-03	2.45E+02	5.35E+01	1.76E-19	6.36E-03	--	--	1.28E-06	3.72E-05	4.48E-11	3.60E-05	4.03E-03	2.66E-04	1.73E-03	2.81E-04
RF	RF123.01-S	9.38	1.63E+01	--	--	--	1.40E-02	3.04E-03	2.94E+02	6.32E+01	2.19E-19	4.96E-03	--	--	1.40E-06	3.79E-05	5.29E-11	3.98E-05	4.10E-03	3.16E-04	2.04E-03	9.98E-08
RF	RF123.02-S	0.83	5.81E-03	--	--	--	4.94E-06	1.27E-06	8.07E-02	1.74E-02	1.59E-22	2.55E-06	--	--	4.91E-10	2.19E-06	1.45E-14	1.40E-08	2.41E-04	2.71E-05	5.59E-07	2.10E-03
RF	RF123.03-S	12.06	6.48E+01	--	--	--	5.75E-02	3.11E-03	2.00E+02	4.30E+01	3.74E-19	6.30E-03	--	--	5.97E-06	3.66E-05	3.59E-11	1.66E-04	3.97E-03	2.25E-04	1.39E-03	1.47E-03
RF	RF123.04-S	44.51	5.44E+01	--	--	--	4.72E-02	1.23E-02	7.83E+02	1.69E+02	1.48E-18	2.48E-02	--	--	4.79E-06	1.46E-04	1.41E-10	1.35E-04	1.58E-02	8.35E-04	5.44E-03	2.61E-04
RF	RF124.01-S	94.24	1.62E+01	4.09E-06	--	--	1.52E-02	3.40E-03	2.40E+02	5.10E+01	3.63E-19	6.57E-03	--	--	1.68E-06	1.04E-04	4.28E-11	4.55E-05	1.12E-02	3.72E-04	1.65E-03	1.42E-04
RF	RF124.02-S	13.31	4.30E+00	--	--	--	3.80E-03	9.61E-04	6.47E+01	1.37E+01	1.01E-19	1.84E-03	--	--	3.94E-07	1.39E-05	1.15E-11	1.10E-05	1.50E-03	7.68E-05	4.43E-04	8.80E-08
RF	RF125.01-S	14.39	4.99E+01	--	--	--	4.68E-02	4.67E-03	3.75E+02	8.02E+01	3.80E-19	7.65E-03	--	--	5.14E-06	1.33E-04	6.70E-11	1.40E-04	1.44E-02	6.73E-04	2.59E-03	6.28E-04
RF	RF126.01-S	1.04	1.42E+00	--	--	--	1.21E-03	4.55E-04	3.76E+01	7.79E+00	3.01E-20	5.43E-04	--	--	1.21E-07	5.51E-06	6.51E-12	3.43E-06	5.97E-04	4.01E-05	2.51E-04	1.15E-08
RF	RF126.04-S	2.08	3.12E+00	--	--	--	2.66E-03	7.52E-04	6.87E+01	1.46E+01	5.10E-20	1.26E-03	--	--	2.65E-07	9.69E-06	1.22E-11	7.53E-06	1.05E-03	7.42E-05	4.72E-04	3.17E-08
RF	RF128.01-S	198.22	3.06E+02	--	--	--	2.64E-01	1.13E-01	8.26E+03	1.85E+03	6.32E-18	1.51E-01	--	--	2.66E-05	1.30E-03	1.55E-09	7.52E-04	1.41E-01	8.53E-03	5.98E-02	5.24E-08
RF	RF129.01-S	467.76	7.98E+01	9.31E-05	--	5.28E-15	6.98E-02	1.37E-02	8.43E+02	1.86E+02	1.58E-18	2.71E-02	4.79E-18	--	7.17E-06	5.12E-04	1.56E-10	2.01E-04	5.55E-02	2.24E-03	6.01E-03	6.21E-04
RF	RF129.05-S	448.33	9.30E+01	3.11E-04	--	--	8.89E-02	1.23E-02	7.29E+02	1.63E+02	1.47E-18	2.47E-02	--	--	9.93E-06	1.92E-04	1.36E-10	2.68E-04	2.08E-02	9.37E-04	5.25E-03	6.31E-05
RF	RF130.01-S	38.59	7.10E+01	--	1.18E-24	3.41E-14	6.83E-02	7.52E-03	4.81E+02	1.04E+02	9.06E-19	1.52E-02	6.77E-14	8.09E-13	7.67E-06	4.59E-04	4.64E-09	2.06E-04	4.93E-02	2.08E-03	3.34E-03	2.29E-03
RF	RF134.02-S	11.34	7.24E-02	--	--	--	6.17E-05	1.39E-05	8.99E-01	1.93E-01	1.68E-21	2.82E-05	--	--	6.14E-09	1.57E-07	1.61E-13	1.75E-07	1.70E-05	9.26E-07	6.22E-06	4.38E-12
RF	RF135.01-S	2.29	1.08E+00	--	--	--	9.63E-04	4.89E-05	3.22E+00	6.88E-01	5.94E-21	1.00E-04	--	--	1.01E-07	3.55E-06	5.75E-13	2.80E-06	3.89E-04	4.05E-05	2.22E-05	2.89E-03
RF	RF135.02-S	10.40	4.83E-01	--	--	--	4.23E-04	9.26E-05	5.99E+00	1.28E+00	1.17E-20	1.87E-04	--	--	4.34E-08	3.89E-05	1.07E-12	1.22E-06	4.21E-03	1.39E-04	4.14E-05	1.17E-06
RF	RF137.01-S	0.42	7.33E-02	--	--	--	6.57E-05	9.95E-06	6.62E-01	1.41E-01	1.21E-21	2.04E-05	--	--	6.90E-09	1.12E-07	1.18E-13	1.91E-07	1.22E-05	6.83E-07	4.56E-06	3.18E-12
RF	RF139.01-S	11.65	7.15E+01	--	--	--	6.38E-02	4.97E-04	3.25E+01	6.95E+00	6.29E-20	1.01E-03	--	--	6.67E-06	2.82E-05	5.80E-12	1.85E-04	3.07E-03	2.32E-04	2.24E-04	1.30E-02
RF	RF140.01-S	172.16	1.87E+01	1.23E-05	--	--	1.63E-02	4.06E-03	2.40E+02	5.39E+01	4.83E-19	8.11E-03	--	--	1.66E-06	4.70E-05	4.50E-11	4.66E-05	5.09E-03	2.52E-04	1.74E-03	3.63E-08
RF	RF141.01-S	45.55	6.19E+01	--	--	--	5.27E-02	2.15E-02	1.77E+03	3.82E+02	1.52E-18	2.80E-02	--	--	5.26E-06	2.69E-03	3.19E-10	1.49E-04	2.92E-01	1.04E-02	1.23E-02	7.58E-05
RF	RF141.02-S	175.97	4.17E+02	--	--	--	5.98E-01	8.41E-02	7.21E+03	1.59E+03	5.56E-18	1.52E-01	--	--	8.63E-05	3.64E-03	1.33E-09	2.09E-03	3.94E-01	1.68E-02	5.13E-02	8.33E-05
RL	RL105-01	157.99	8.82E-01	--	--	2.40E-09	7.46E-04	2.47E-04	2.84E+01	5.91E+00	4.48E-20	3.94E-04	--	1.09E-09	7.39E-08	7.22E-02	5.97E-04	2.11E-06	7.85E+00	8.11E-01	1.90E-04	8.72E-03
RL	RL105-03	69.06	7.10E+00	--	--	5.09E-09	1.12E-02	8.92E-04	1.40E+01	7.12E+00	1.34E-19	3.82E-03	--	4.55E-10	1.67E-06	2.58E-04	5.92E-12	4.00E-05	2.80E-02	9.74E-04	2.29E-04	2.04E-02
RL	RL200-01	126.63	1.09E+00	--	--	1.71E-12	9.23E-04	2.10E-03	1.83E+01	3.77E+00	3.33E-20	2.50E-04	--	7.65E-13	9.14E-08	2.32E-05	3.13E-12	2.60E-06	2.52E-03	1.93E-05	1.21E-04	9.97E-06
RL	RL201-01	14.14	2.48E-04	--	--	--	2.16E-07	4.85E-08	6.43E-03	1.33E-03	--	8.92E-08	--	--	2.20E-11	6.04E-10	1.14E-15	6.18E-10	6.47E-08	6.70E-09	4.34E-08	1.40E-14
RL	RL202S-01	1.46	1.13E-02	--	--	2.67E-11	9.68E-06	1.25E-06	8.53E-02	1.89E-02	4.35E-23	9.72E-07	--	1.19E-11	9.73E-10	1.46E-08	1.59E-14	2.75E-08	1.58E-06	8.83E-08	6.12E-07	1.52E-13
RL	RL209E-01	52.79	7.38E+00	--	--	4.49E-12	6.48E-03	1.84E-03	2.45E+02	5.06E+01	--	3.40E-03	--	2.02E-12	6.67E-07	2.38E-05	4.35E-11	1.87E-05	2.54E-03	2.56E-04	1.66E-03	5.36E-10
RL	RL216Z-02	194.85	4.62E+01	--	--	2.68E-11	3.93E-02	1.72E-02	7.26E+02	1.49E+02	1.27E-18	9.59E-03	--	1.20E-11	3.91E-06	1.92E-04	1.24E-10	1.11E-04	2.08E-02	7.48E-04	4.81E-03	1.49E-09
RL	RL221T-01	17.60	1.61E-03	--	--	3.58E-14	1.45E-06	3.66E-07	5.44E-02	1.13E-02	--	7.59E-07	--	1.60E-14	1.54E-10	6.44E-09	9.98E-15	4.24E-09	6.79E-07	6.29E-08	3.75E-07	1.12E-07
RL	RL222S-01	88.61	2.42E-01	--	--	2.20E-12	2.05E-04	6.37E-05	6.88E+00	1.45E+00	1.07E-20	1.00E-04	--	1.00E-12	9.45E-02	1.15E-06	1.20E-12	1.03E+00	1.25E-04	1.21E-05	4.65E-05	5.43E-08
RL	RL231Z-01	1272.78	8.99E+01	--	--	8.96E-12	7.81E-02	2.88E-02	1.48E+03	3.06E+02	--	2.05E-02	--	3.97E-12	7.96E-06	5.11E-03	5.52E-05	2.24E-04	5.48E-01	2.98E-03	9.98E-03	5.64E-02

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL231Z-03	13.23	3.11E+00	--	--	--	2.78E-03	1.14E-03	4.89E-02	3.87E-02	--	3.88E-07	--	--	2.91E-07	1.60E-05	3.39E-14	8.08E-06	1.69E-03	5.16E-08	1.28E-06	6.18E-14
RL	RL233S-01	91.21	2.96E+00	--	--	3.69E-13	2.52E-03	1.09E-03	6.88E+01	1.55E+01	1.10E-19	6.02E-03	--	1.68E-13	2.50E-07	1.22E-05	1.29E-11	7.12E-06	1.32E-03	7.08E-05	5.00E-04	9.36E-10
RL	RL2718-01	0.83	6.73E-02	--	--	2.90E-15	5.88E-05	1.27E-07	5.12E-02	8.07E-03	--	7.88E-08	--	1.28E-15	6.03E-09	1.61E-09	6.92E-15	1.69E-07	1.72E-07	5.35E-08	2.64E-07	1.24E-14
RL	RL300-01	72.87	6.25E+00	--	--	6.50E-11	5.29E-03	3.20E-03	1.51E+02	3.12E+01	2.36E-19	2.09E-03	--	2.95E-11	3.46E-01	2.23E-03	3.32E-03	3.76E+00	2.43E-01	1.13E-02	1.00E-03	3.04E-02
RL	RL308-01	28.12	3.42E+01	--	--	3.48E-13	2.89E-02	1.13E-02	8.47E+00	3.03E+00	1.03E-18	1.84E-04	--	1.58E-13	5.67E-03	2.44E-04	2.51E-12	6.18E-02	2.65E-02	1.84E-04	9.74E-05	4.51E-03
RL	RL324-01	135.33	1.54E+01	--	--	3.77E-10	1.31E-02	3.27E-03	3.97E+02	8.18E+01	4.50E-19	5.54E-03	--	1.13E-10	1.30E-06	3.60E-05	6.80E-11	3.69E-05	3.91E-03	4.08E-04	2.63E-03	8.60E-10
RL	RL325-01	1400.37	5.57E+01	--	--	9.29E-09	4.71E-02	2.85E-02	3.01E+02	9.30E+01	1.31E-18	3.68E-02	--	2.64E-08	4.65E-06	3.11E-04	7.71E-11	1.33E-04	3.37E-02	3.09E-04	2.99E-03	5.69E-09
RL	RL325-03	2.08	1.87E-01	--	--	9.28E-14	1.58E-04	7.37E-05	5.25E-01	2.95E-01	2.68E-21	1.65E-04	--	4.13E-14	1.57E-08	8.11E-07	2.45E-13	4.47E-07	8.81E-05	4.45E-06	9.49E-06	2.68E-06
RL	RL325-05	5.20	2.24E+01	--	--	2.54E-11	1.92E-02	4.51E-03	3.72E-01	3.46E-01	6.06E-19	6.74E-04	--	1.67E-12	1.92E-06	5.19E-05	2.91E-13	5.44E-05	5.61E-03	6.05E-06	1.12E-05	8.58E-08
RL	RL327-01	80.93	8.17E+00	--	--	3.33E-07	6.92E-03	5.08E-03	6.86E+00	5.56E+00	1.64E-19	8.96E-03	--	2.50E-13	6.86E-07	5.59E-05	4.62E-12	1.95E-05	6.07E-03	7.05E-06	1.79E-04	1.39E-09
RL	RLARG-01	0.83	4.55E+00	--	--	2.36E-15	4.01E-03	1.38E-03	1.65E+01	7.66E+00	--	3.66E-03	--	1.04E-15	2.02E-02	4.55E-05	1.26E-04	2.15E-01	4.84E-03	3.16E-04	2.52E-04	3.22E-06
RL	RLBART-01	0.62	1.97E-01	--	--	8.92E-13	1.75E-04	2.50E-10	3.52E-05	7.26E-06	--	4.89E-10	--	4.00E-13	1.83E-08	3.44E-12	6.34E-18	5.08E-07	3.64E-10	3.70E-11	2.39E-10	7.77E-17
RL	RLBAT-01	19.14	2.64E-01	--	--	1.59E-12	2.32E-04	2.21E-02	8.82E+00	1.82E+00	--	1.22E-04	--	7.18E-13	2.40E-08	3.36E-04	1.57E-12	6.70E-07	3.58E-02	3.63E-04	5.95E-05	1.10E-03
RL	RLBET-01	0.42	1.69E-03	--	--	4.97E-12	1.49E-06	4.11E-07	5.65E-02	1.17E-02	--	7.81E-07	--	2.23E-12	1.55E-10	1.56E-06	1.01E-14	4.32E-09	1.66E-04	1.71E-05	3.83E-07	1.83E-07
RL	RLBW-01	306.60	9.98E+01	--	--	4.96E-11	8.43E-02	9.10E-03	1.04E+03	2.16E+02	1.73E-18	1.45E-02	--	2.27E-11	8.33E-06	8.93E-04	1.79E-10	2.38E-04	9.70E-02	1.26E-03	6.94E-03	1.02E-02
RL	RLCBWD.001-S	14.36	4.66E+00	--	--	2.35E-17	4.06E-03	1.20E-03	2.30E+01	1.00E+01	5.87E-20	1.70E-03	--	1.05E-17	4.41E-04	1.88E-05	8.34E-12	4.80E-03	2.04E-03	4.32E-05	3.23E-04	2.45E-04
RL	RLCFF-01	24.34	3.70E+01	--	--	5.59E-12	3.13E-02	1.40E-02	5.60E+02	1.15E+02	1.11E-18	7.62E-03	--	2.49E-12	3.09E-06	1.61E-04	9.55E-11	8.82E-05	1.75E-02	6.12E-04	3.70E-03	8.09E-04
RL	RLCFF-03	5.82	3.32E-02	--	--	1.87E-14	2.92E-05	6.28E-06	9.04E-01	1.87E-01	--	1.25E-05	--	8.15E-15	3.02E-09	8.18E-08	1.61E-13	8.43E-08	8.73E-06	9.47E-07	6.13E-06	1.98E-12
RL	RLCFFD.001-S	261.33	1.19E+02	--	--	--	1.01E-01	2.85E-02	5.63E+02	2.63E+02	1.40E-18	4.45E-02	--	--	9.99E-06	3.53E-04	1.31E-06	2.84E-04	3.83E-02	7.09E-04	8.48E-03	2.91E-03
RL	RLESG-01	58.24	1.74E+00	--	--	3.43E-12	1.49E-03	5.60E-04	3.76E+01	7.82E+00	4.00E-20	5.37E-04	--	2.79E-12	1.48E-07	1.36E-04	6.55E-12	4.21E-06	1.47E-02	1.47E-03	2.53E-04	2.94E-05
RL	RLEXX-01	50.96	1.44E+02	--	--	6.24E-12	1.28E-01	3.46E-02	4.83E+03	9.98E+02	--	6.71E-02	--	2.80E-12	1.33E-05	4.56E-03	8.70E-10	3.70E-04	4.85E-01	2.45E-02	3.29E-02	4.23E-01
RL	RLGEV-01	280.23	1.36E+00	--	--	2.24E-12	1.20E-03	3.29E-04	4.54E+01	9.38E+00	--	6.29E-04	--	1.00E-12	1.25E-07	2.56E-04	8.16E-12	3.49E-06	2.72E-02	1.68E-03	3.09E-04	1.88E-02
RL	RLHMOX.001-S	193.65	2.13E+03	3.90E-04	--	3.14E-14	2.21E+00	5.08E-01	7.52E+03	3.52E+03	2.11E-17	1.96E+00	--	1.38E-14	2.65E-04	1.26E-02	2.94E-09	6.93E-03	1.37E+00	5.61E-02	1.14E-01	5.93E-01
RL	RLIAEA-01	0.42	3.33E-03	--	--	6.19E-15	2.94E-06	6.46E-07	8.95E-02	1.85E-02	--	1.24E-06	--	2.72E-15	3.04E-10	8.49E-09	1.60E-14	8.48E-09	9.05E-07	9.38E-08	6.07E-07	1.96E-13
RL	RLM308D.001-S	62.23	4.40E+02	9.81E-04	--	2.00E-13	3.93E-01	1.67E-01	8.96E+02	5.30E+02	3.92E-18	5.74E-01	--	8.86E-14	1.54E-04	2.24E-03	8.88E-05	2.36E-03	2.43E-01	2.35E-03	1.71E-02	2.27E-02
RL	RLMHASH.001-S	61.78	1.67E+02	--	--	1.85E-16	1.43E-01	2.31E-02	2.36E+03	5.39E+02	1.19E-18	8.12E-02	--	4.29E-17	1.74E-04	2.66E-04	4.52E-10	2.13E-03	2.87E-02	2.43E-03	1.74E-02	1.27E-08
RL	RLMLB-01	0.42	7.00E-03	--	--	4.39E-11	6.21E-06	1.68E-06	2.35E-01	4.84E-02	--	3.26E-06	--	1.97E-11	6.48E-10	2.29E-08	4.22E-14	1.80E-08	2.43E-06	2.47E-07	1.59E-06	5.17E-13
RL	RLMLL-01	0.42	1.61E-02	--	--	2.22E-15	1.46E-05	3.66E-06	5.49E-01	1.13E-01	--	7.60E-06	--	9.91E-16	1.55E-09	3.94E-05	1.00E-13	4.27E-08	4.14E-03	7.99E-06	3.76E-06	4.62E-04
RL	RLMPDT.001-S	1239.55	6.62E+02	8.13E-04	--	1.09E-12	5.74E-01	2.38E-01	4.77E+03	1.44E+03	6.69E-07	3.33E-01	--	4.82E-13	3.02E-03	2.83E-03	5.11E-07	3.38E-02	3.07E-01	5.51E-03	4.63E-02	4.35E-03
RL	RLMPURX.001-S	106.38	1.26E+02	1.05E-04	--	4.26E-13	1.08E-01	4.48E-02	7.13E+02	2.67E+02	3.08E-18	7.78E-02	--	1.75E-13	7.83E-04	5.11E-04	2.24E-10	8.68E-03	5.53E-02	7.53E-04	8.63E-03	2.62E-04
RL	RLMSSC.001-S	64.69	2.00E+02	--	--	--	1.70E-01	6.40E-02	2.71E+03	5.56E+02	3.81E-18	7.23E-02	--	--	1.70E-05	7.31E-04	4.66E-10	4.83E-04	7.91E-02	2.80E-03	1.80E-02	3.93E-04
RL	RLNPDT.002-S	445.26	1.64E+02	3.17E-03	--	7.12E-14	1.42E-01	6.01E-02	1.95E+03	4.31E+02	2.49E-18	8.37E-02	--	2.40E-14	1.44E-05	7.32E-04	6.25E-08	4.06E-04	7.91E-02	2.17E-03	1.39E-02	4.35E-04
RL	RLNPURX.001-S	39.11	7.99E+01	3.75E-05	--	9.77E-14	6.82E-02	3.00E-02	4.00E+02	1.44E+02	2.25E-18	5.01E-02	--	3.06E-14	6.81E-06	3.42E-04	1.20E-10	1.93E-04	3.70E-02	4.13E-04	4.64E-03	7.80E-09
RL	RLPFP-01	7457.30	6.52E+02	--	--	2.19E-09	5.50E-01	3.43E+01	1.92E+04	3.98E+03	3.15E-17	3.08E-01	--	1.00E-09	4.43E-02	3.83E-01	7.23E-05	4.83E-01	4.16E+01	4.17E-02	1.28E-01	4.08E-01
RL	RLPFP-03	6.86	1.10E+01	--	--	7.65E-14	9.37E-03	1.82E-03	1.76E+02	3.79E+01	1.38E-19	4.22E-03	--	3.42E-14	9.32E-07	2.06E-05	3.16E-11	2.65E-05	2.23E-03	1.88E-04	1.22E-03	5.40E-08
RL	RLPFP-04	17.68	8.94E-03	--	--	--	7.57E-06	1.89E-06	2.29E-01	4.75E-02	2.64E-22	3.18E-06	--	--	7.50E-10	2.08E-08	3.94E-14	2.14E-08	2.25E-06	2.36E-07	1.53E-06	4.93E-13
RL	RLPFP-05	18.72	3.50E+01	--	--	1.78E-15	2.96E-02	1.05E-02	3.67E+01	1.69E+01	8.60E-19	1.20E-02	--	7.88E-16	2.93E-06	1.15E-04	1.41E-11	8.36E-05	1.25E-02	3.77E-05	5.45E-04	1.87E-09
RL	RLPRC-01	4.20	--	--	--	5.74E-12	--	--	--	--	--	--	--	2.51E-12	--	--	--	--	--	--	--	--
RL	RLPURX-01	476.91	3.97E+01	--	--	2.88E-12	3.36E-02	1.25E-02	4.51E+02	1.16E+02	1.46E-18	2.39E-02	--	1.29E-12	3.32E-06	1.36E-04	9.62E-11	9.46E-05	1.48E-02	4.62E-04	3.73E-03	3.71E-09
RL	RLPURX-05	780.11	5.56E+01	--	--	7.55E-10	4.92E-02	7.65E-03	8.53E+02	1.77E+02	--	1.18E-02	--	3.39E-10	5.11E-06	1.02E-04	1.53E-10	1.42E-04	1.09E-02	8.96E-04	5.82E-03	1.12E-06
RL	RLRFETS.001-S	63.44	1.39E+02	--	--	9.64E-16	1.19E-01	2.40E-02	3.68E+03	5.64E+02	1.77E-18	6.49E-02	--	4.81E-17	7.03E-04	3.23E-04	4.73E-10	7.81E-03	3.48E-02	3.98E-03	1.82E-02	1.01E-08
RL	RLSWO-01	57.78	7.82E+00	--	--	3.50E-12	6.61E-03	3.18E-03	7.65E+01	1.91E+01	1.85E-19	4.13E-03	--	4.89E-13	6.53E-07	3.47E-05	1.58E-11	1.86E-05	3.77E-03	7.86E-05	6.14E-04	6.41E-10
RL	RLVIPAC.001-S	28.35	1.45E+01	--	--	1.81E-14	1.28E-02	8.50E-03	1.73E+02	4.76E+01	9.71E-20	1.58E-02	--	8.06E-15	1.33E-06	9.76E-04	3.96E-11	3.70E-05	1.06E-01	2.70E-03	1.53E-03	4.82E-02
RL	RLWAR-01	447.00	3.63E+00	--	--	4.08E-11	3.07E-03	1.02E-03	1.17E+02	2.42E+01	1.94E-19	1.62E-03	--	1.86E-11	3.04E-07	5.28E-04	6.12E-05	8.66E-06	5.74E-02	3.45E-03	7.77E-04	7.82E-03
SA	SA-T001	6.37	2.05E-01	--	4.10E-17	--	1.96E-04	6.78E-05	3.46E+00	1.90E-02	--	--	--	--	2.20E-08	8.29E-07	4.65E-03	5.92E-07	8.90E-05	3.60E-06	6.19E-07	--
SA	SA-W134	16.02	1.42E+00	1.11E-02	1.35E-20	3.11E-09	1.26E-01	7.09E-04	1.34E+00	3.93E-01	1.66E-21	2.98E-06	--	1.43E-09	2.20E-04	1.55E-03	3.33E-13	2.65E-03	1.67E-01	1.09E-02	1.28E-05	7.96E-03
SA	SA-W134M	2.08	1.84E-01	1.44E-03	1.75E-21	4.04E-10	1.63E-02	9.21E-05	1.75E-01	5.10E-02	2.15E-22	3.86E-07	--	1.86E-10	2.86E-05	2.01E-04	4.32E-14	3.45E-04	2.16E-02	1.41E-03	1.66E-06	1.03E-03
SA	SA-W136	34.45	2.59E-01	--	--	--	2.20E-04	3.49E-04	1.91E+01	4.05E+00	1.29E-20	5.23E-04	--	--	2.17E-08	3.84E-06	3.36E-12	6.20E-07	4.17E-04	1.96E-05	1.30E-04	8.11E-11
SR	SR2001.001.00-S	61.15	3.32E-01	--	--	2.54E-16	2.84E-04	3.24E-04	9.37E+00	1.72E+00	9.65E-21	1.93E-04	--	--	2.84E-08	3.73E-06	1.44E-12	8.05E-07	4.03E-04	9.68E-06	5.57E-05	3.01E-11
SR	SR2002.002.00-S	69.89	1.09E+00	--	--	8.68E-16	9.32E-04	1.41E-04	1.10E+01	2.35E+00	2.30E-20	3.57E-04	--	3.59E-17	8.14E-03	1.61E-06	1.97E-12	8.82E-02	1.74E-04	1.14E-05	7.60E-05	5.56E-11
SR	SR-BCLCH-MT01	11.34	7.85E+00	--	--	--	6.69E-03	1.13E+00	6.04E+01	1.46E+01	2.28E-19	2.65E-03	--	--	6.67E-07	1.28E-02	1.22E-11	1.89E-05	1.38E+00	6.23E-05	4.72E-04	4.12E-10
SR	SR-T001-221H-HEPA	62.37	6.72E-02	--	--	--	3.49E-04	9.57E-02	2.49E-01	1.35E-01	--	1.56E-04	--	--	6.87E-08	1.26E-03	1.16E-13	1.49E-06	1.34E-01	2.60E-07	4.41E-06	2.46E-11
SR	SR-W026-221F-HEPA	378.00	6.07E+01	--	--	--	5.30E-02	7.91E-01	8.39E+02	1.81E+02	--	7.34E-02	--	--	5.44E-06	1.00E-02	1.55E-10	1.52E-04	1.07E+00	8.76E-04	5.92E-03	2.98E-08
SR	SR-W026-221F-HET	1089.92	5.70E+01	6.88E-04	1.20E-18	--	5.08E-02	7.73E-02	6.14E+02	1.37E+02	3.02E-04	2.50E-01	--	--	8.51E-03	1.22E-03	1.27E-10	9.24E-02	1.32E-01	1.94E-03	4.67E-03	7.19E-03
SR	SR-W026-221F-HET-S	552.35	7.46E+01	4.79E-05	6.76E-19	1.22E-14	6.79E-02	9.08E-02	9.96E+02	2.56E+02	7.42E-06	3.54E-02	--	6.28E-15	7.26E-06	1.99E-03	3.49E-05	2.00E-04	2.16E-01	2.46E-03	8.24E-03	9.01E-03
SR	SR-W026-221F-HOM	16.66	1.86E-01	--	--	--	1.63E-04	3.29E-04	4.22E+00	7.46E-01	--	9.89E-05	--	--	1.67E-08	4.22E-06	6.40E-13	4.69E-07	4.51E-04	4.41E-06	2.44E-05	2.13E-09
SR	SR-W026-772F-HET	834.88	8.20E+01	--	1.18E-18	3.04E-10	6.63E-01	9.36E+00	4.62E+02	1.05E+02	1.80E-18	9.17E-02	--	1.48E-10	6.21E-04	1.37E-01	3.50E-10	8.16E-03	1.49E+01	3.15E-03	8.56E-03	9.18E-03
SR	SR-W026-772F-HET-S	1306.27	2.61E+01	5.90E-04	7.95E-19	1.85E-12	9.18E-02	8.20E-01	2.55E+02	6.71E+01	1.40E-05	1.23E-02	--	7.31E-13	6.23E-03	1.33E-02	3.95E-04	6.78E-02	1.45E+00	1.27E-03	2.16E-03	7.82E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W027-221F-HET	1490.34	8.89E+02	--	--	--	7.58E-01	1.22E+00	6.94E+03	1.47E+03	2.36E-17	9.22E-01	--	--	7.56E-05	1.38E-02	1.23E-09	2.15E-03	1.49E+00	7.16E-03	4.74E-02	1.49E-05
SR	SR-W027-221F-HETA-S	2080.85	1.73E+02	4.04E-06	--	2.36E-11	1.55E-01	5.98E-02	1.64E+03	4.99E+02	1.18E-04	9.26E-02	--	3.13E-15	1.61E-03	2.96E-03	9.95E-05	1.77E-02	3.20E-01	1.81E-03	1.61E-02	2.17E-03
SR	SR-W027-221H-HEPA	137.97	4.08E+00	--	--	--	5.49E-02	4.52E+00	1.56E+01	6.33E+00	1.25E-19	7.02E-03	--	--	1.11E-05	4.98E-02	5.68E-11	2.40E-04	5.41E+00	9.78E-05	1.22E-03	3.25E-06
SR	SR-W027-221H-HET-A	5568.93	1.22E+02	5.56E-04	--	2.26E-09	1.62E+01	1.64E+02	1.30E+03	4.64E+02	4.62E-18	3.00E-01	--	1.11E-09	4.41E-03	1.86E+00	6.05E-09	8.36E-02	2.02E+02	5.03E-02	1.26E-01	1.17E-02
SR	SR-W027-221H-HET-S	2521.93	4.84E+01	1.86E-02	--	5.28E-13	2.49E-01	1.14E+01	1.27E+02	4.60E+01	6.00E-05	2.45E-02	--	2.58E-13	8.35E-03	1.90E-01	2.73E-03	9.11E-02	2.06E+01	1.68E-03	1.48E-03	2.49E-03
SR	SR-W027-235F-HET	733.92	2.06E+02	--	--	--	5.31E+00	6.98E+01	2.49E+02	1.12E+02	9.94E-18	2.93E-01	--	--	1.09E-03	7.77E-01	8.76E-10	2.35E-02	8.43E+01	1.58E-03	1.90E-02	1.39E-03
SR	SR-W027-235F-HET-S	301.51	5.26E+00	1.01E-05	--	7.96E-15	4.03E-02	6.45E-01	9.37E+00	5.86E+00	1.23E-05	3.35E-03	--	3.89E-15	7.94E-06	1.10E-02	2.51E-04	1.73E-04	1.19E+00	7.62E-04	1.89E-04	9.01E-05
SR	SR-W027-235F-HOMO	5.83	2.90E-01	--	--	--	2.53E-04	3.56E-01	9.10E-01	4.57E-01	--	6.01E-04	--	--	2.59E-08	4.47E-03	3.91E-13	7.26E-07	4.78E-01	9.49E-07	1.49E-05	9.46E-11
SR	SR-W027-773A-HET	2495.78	2.01E+01	3.17E+01	2.85E-14	3.98E-08	1.69E-02	5.72E+00	3.16E+02	8.70E+01	3.21E-01	1.02E+00	4.59E-09	1.95E-08	4.35E-03	6.39E-02	8.24E-04	4.73E-02	6.93E+00	1.72E-03	1.10E-02	3.00E-03
SR	SR-W027-773A-HET-S	358.24	9.47E+00	2.26E-01	1.12E-16	1.09E-12	4.22E-02	5.53E-01	8.77E+01	1.98E+01	7.64E-04	2.37E-03	--	5.34E-13	7.93E-06	9.16E-03	1.31E-04	1.75E-04	9.94E-01	2.59E-04	6.38E-04	1.50E-03
SR	SR-W027-999-AGNS-HET	56.84	8.67E-01	--	--	--	6.07E-03	1.01E-03	6.32E+00	1.75E+00	--	2.39E-04	--	--	1.24E-06	1.80E-05	5.57E-12	2.65E-05	1.91E-03	2.36E-05	1.36E-04	2.47E-07
SR	SR-W027-999-AGNS-HOM	5.83	3.11E+00	--	--	--	5.77E-03	8.74E-04	5.90E+00	1.28E+00	--	2.46E-04	--	--	9.46E-07	1.58E-05	1.12E-12	2.18E-05	1.67E-03	2.56E-05	4.22E-05	4.14E-04
SR	SR-W027-999-LASL-HET	44.30	3.82E+01	--	--	--	3.46E-02	1.73E+01	5.16E+01	3.01E+01	--	3.85E-02	--	--	3.69E-06	2.57E-01	2.67E-11	1.02E-04	2.70E+01	5.48E-05	1.00E-03	6.17E-09
SR	SR-W027-999-LASL-HOM	5.82	3.85E+00	--	--	--	3.49E-03	3.87E+00	1.13E+01	5.73E+00	--	7.56E-03	--	--	3.72E-07	5.75E-02	5.09E-12	1.02E-05	6.05E+00	1.20E-05	1.91E-04	1.21E-09
SR	SR-W027-999-MD-HET	1675.12	8.78E+01	--	1.30E-20	--	8.04E-02	1.20E+02	3.80E+02	1.87E+02	--	2.37E-01	1.38E-13	--	3.74E-03	1.79E+00	1.67E-10	3.95E-02	1.88E+02	6.11E-04	6.24E-03	4.59E-03
SR	SR-W027-999-MD-HOM-A	2.29	6.70E-03	--	--	--	3.34E-05	9.12E-03	2.04E-02	1.51E-03	--	4.37E-07	--	--	6.65E-09	1.34E-04	1.32E-15	1.43E-07	1.42E-02	3.46E-07	4.99E-08	5.57E-14
SR	SR-W027-999-MD-HOM-B	22.64	6.63E-02	--	--	--	3.30E-04	9.03E-02	2.02E-01	1.49E-02	--	4.32E-06	--	--	6.58E-08	1.33E-03	1.31E-14	1.42E-06	1.40E-01	3.42E-06	4.94E-07	5.51E-13
SR	SR-W027-999-MD-HOM-C	1.04	3.04E-03	--	--	--	1.52E-05	4.15E-03	9.28E-03	6.85E-04	--	1.99E-07	--	--	3.02E-09	6.10E-05	6.02E-16	6.50E-08	6.44E-03	1.57E-07	2.27E-08	2.53E-14
SR	SR-W027-999-MD-SOIL	90.53	7.90E-03	--	--	--	1.31E-04	4.77E-03	5.22E-01	--	--	8.16E-08	--	--	2.79E-08	6.71E-05	--	5.87E-07	7.10E-03	5.52E-07	--	1.04E-14
SR	SR-W027-FB-PRE86-C-S	2385.10	1.44E+02	1.03E-04	8.49E-19	8.52E-15	1.29E-01	4.79E-02	3.23E+03	4.01E+02	7.18E-05	2.20E-01	--	3.37E-15	3.40E-04	1.57E-03	6.22E-05	3.91E-03	1.71E-01	3.43E-03	1.29E-02	2.77E-04
SR	SR-W027-HBL-Box-A	339.60	8.66E-01	--	--	--	1.02E-01	1.07E+00	2.76E+00	1.38E+00	--	1.82E-03	--	--	2.19E-05	1.35E-02	1.19E-12	4.62E-04	1.45E+00	2.88E-06	4.52E-05	2.87E-10
SR	SR-W027-SRSG-HET	1889.08	1.91E+02	3.52E-02	1.03E-17	--	1.25E+00	8.55E-01	1.69E+03	3.50E+02	8.38E-03	4.68E+00	--	--	4.29E-01	1.11E-01	1.94E-09	4.54E+00	1.18E+01	1.02E-02	4.29E-02	4.97E-01
SR	SR-W027-SRSG-HOM	22.28	2.44E+00	1.13E-03	3.46E-19	--	2.50E-02	4.49E-01	9.97E+01	1.24E+01	--	1.05E-02	--	--	5.25E-06	6.49E-03	2.06E-11	1.11E-04	6.86E-01	1.30E-04	5.98E-04	5.35E-04
Grand Total		**168485.00**	**1.02E+05**	**8.42E+01**	**6.47E-14**	**4.03E-07**	**1.21E+02**	**6.35E+02**	**5.22E+05**	**1.18E+05**	**1.64E+01**	**5.68E+01**	**3.20E-04**	**5.74E-08**	**7.25E+01**	**9.35E+00**	**1.45E+00**	**7.76E+02**	**9.89E+02**	**9.18E+00**	**5.65E+00**	**5.80E+01**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	220.78	3.93E+00	5.32E-05	2.51E-18	3.79E-09	6.45E-03	4.92E-03	3.15E+01	6.36E+00	--	--	--	1.04E-09	3.31E-05	7.13E-05	5.62E-12	3.62E-04	7.52E-03	3.20E-04	2.11E-04	1.13E-04
AW (MFC)	AW-T031.1322	94.27	8.60E-01	9.76E-04	8.41E-20	1.47E-06	4.21E-03	8.06E-04	7.96E-03	3.52E+01	2.55E-20	1.09E-03	--	9.56E-07	8.88E-07	1.27E-04	4.53E-11	1.86E-05	1.38E-02	8.17E-03	1.45E-03	3.45E-05
AW (MFC)	AW-W020.13	65.09	2.08E+01	--	--	4.79E-08	1.86E-02	--	3.55E+01	1.03E+01	--	--	--	4.52E-09	6.76E-02	1.27E-04	8.75E-12	7.25E-01	1.37E-02	9.28E-03	3.34E-04	1.49E-03
AW (MFC)	AW-W026	0.89	3.02E-02	--	--	7.53E-12	2.63E-05	--	2.73E-02	--	--	--	--	1.30E-11	2.67E-09	5.40E-12	--	7.52E-08	1.16E-09	2.92E-06	--	3.93E-07
AW (MFC)	AW-W028	36.80	--	--	--	5.45E-10	--	--	1.25E+00	6.06E-02	--	--	--	7.38E-10	--	4.90E-10	5.17E-14	--	1.05E-07	6.75E-05	1.98E-06	3.57E-05
AW (MFC)	AW-W046	24.23	--	--	--	1.03E-06	--	--	2.82E+00	--	--	--	--	5.49E-07	--	--	--	--	--	6.93E-03	--	--
AW (MFC)	AW-W047	12.56	--	--	--	9.10E-08	--	--	9.95E-03	--	--	--	--	4.83E-08	--	--	--	--	--	1.03E-08	--	--
BT	BT-T001	2.67	7.85E-01	1.77E-02	3.62E-18	4.54E-07	2.76E-02	6.48E-02	3.66E-01	3.79E-01	6.10E-07	2.98E-03	--	2.20E-07	7.75E-01	1.22E-02	2.27E-03	8.19E+00	1.23E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	2.62E-01	5.90E-03	1.21E-18	1.51E-07	9.21E-03	2.16E-02	1.22E-01	1.26E-01	2.03E-07	9.95E-04	--	7.32E-08	2.58E-01	4.08E-03	7.56E-04	2.73E+00	4.08E-01	2.22E-03	2.52E-02	1.54E-05
IN	IN-AE-AGHC-01	183.34	2.06E+01	--	--	7.65E-08	1.75E-02	1.17E-02	1.38E+02	6.70E+01	3.78E-19	2.35E-02	--	2.77E-08	2.33E-02	4.35E-03	5.57E-11	2.53E-01	4.72E-01	1.64E-02	2.16E-03	2.72E-03
IN	IN-AW-161	1.78	--	--	--	4.89E-11	--	--	4.78E+00	9.42E-02	--	--	--	1.75E-11	--	--	8.11E-14	--	--	7.89E-06	3.08E-06	--
IN	IN-INTEC-SFS-01	0.89	3.90E-01	--	--	1.56E-10	3.49E-04	5.07E-04	2.35E-01	2.51E-01	--	1.00E-03	--	5.53E-11	3.67E-08	7.14E-06	2.20E-13	1.02E-06	7.55E-04	8.85E-06	8.29E-06	1.60E-10
IN	IN-NRF-153	8.01	2.85E-03	--	--	--	2.55E-06	6.96E-05	3.15E-03	3.14E-03	--	1.16E-05	--	--	2.67E-10	9.73E-07	2.75E-15	7.41E-09	1.03E-04	4.74E-05	1.04E-07	1.85E-12
IN	IN-TRA-150	3.56	7.29E+00	--	--	--	6.37E-03	1.18E-02	--	--	--	--	--	--	6.53E-07	1.50E-04	--	1.83E-05	1.61E-02	--	--	--
IN	IN-TRA-157	4.45	3.01E-02	--	1.06E-19	1.05E-11	2.61E-05	4.33E-05	4.06E-03	4.91E-05	--	--	--	4.69E-11	1.93E-04	6.36E-06	4.18E-17	2.07E-03	6.83E-04	4.22E-09	1.60E-09	--
IN	IN-W208.243	0.89	3.86E+00	--	--	--	3.39E-03	3.91E-04	4.13E+01	8.60E+00	--	6.93E-04	--	--	3.49E-07	5.05E-06	7.41E-12	9.75E-06	5.39E-04	7.75E-05	2.82E-04	1.09E-10
IN	IN-W216.876	15.13	1.48E+02	--	--	--	1.30E-01	3.20E-04	3.38E+01	7.08E+00	--	5.68E-04	--	--	1.34E-05	4.13E-06	6.10E-12	3.75E-04	4.41E-04	3.53E-05	2.32E-04	8.96E-11
IN	IN-W216.877	43.61	2.13E+02	--	--	--	1.87E-01	4.61E-04	4.87E+01	1.02E+01	--	8.18E-04	--	--	1.93E-05	5.96E-06	8.77E-12	5.39E-04	6.36E-04	5.09E-05	3.34E-04	1.29E-10
IN	IN-W228.884	8.90	1.30E+00	--	--	--	1.14E-03	1.49E-05	1.58E+00	3.31E-01	--	2.65E-05	--	--	1.17E-07	1.93E-07	2.85E-13	3.28E-06	2.06E-05	1.65E-06	1.08E-05	4.18E-12
IN	IN-W228.885	0.89	2.15E-02	--	--	--	1.89E-05	2.50E-07	2.63E-02	5.51E-03	--	4.42E-07	--	--	1.95E-09	3.22E-09	4.75E-15	5.45E-08	3.44E-07	2.76E-08	1.81E-07	6.97E-14
IN	IN-W228.886	21.36	1.56E+00	--	--	--	1.36E-03	1.79E-05	1.90E+00	3.96E-01	--	3.18E-05	--	--	1.41E-07	2.32E-07	3.41E-13	3.93E-06	2.47E-05	1.98E-06	1.30E-05	5.01E-12
IN	IN-W243.276	3.56	3.98E-01	--	--	--	3.49E-04	6.98E-05	7.39E+00	1.55E+00	--	1.24E-04	--	--	3.60E-08	9.01E-07	1.33E-12	1.01E-06	9.61E-05	9.93E-06	5.06E-05	1.52E-07
IN	IN-W243.277	1.78	7.96E-01	--	--	--	6.99E-04	1.40E-04	1.47E+01	3.09E+00	--	2.47E-04	--	--	7.20E-08	1.80E-06	2.66E-12	2.01E-06	1.92E-04	1.98E-05	1.01E-04	3.03E-07
IN	IN-W252.282	17.80	5.88E+00	--	--	--	5.16E-03	1.18E-03	1.25E+02	2.61E+01	--	2.10E-03	--	--	5.32E-07	1.53E-05	2.25E-11	1.49E-05	1.63E-03	1.31E-04	8.56E-04	3.31E-10
IN	IN-W254.1045	1.78	3.01E-01	--	--	--	2.64E-04	7.08E-05	7.48E+00	1.57E+00	--	1.26E-04	--	--	2.72E-08	9.14E-07	1.35E-12	7.61E-07	9.75E-05	7.82E-06	5.13E-05	1.98E-11
IN	IN-W294.343	8.90	1.22E+00	--	--	--	1.07E-03	2.57E-04	2.72E+01	5.69E+00	--	4.57E-04	--	--	1.10E-07	3.32E-06	4.90E-12	3.08E-06	3.54E-04	4.64E-05	1.86E-04	7.21E-11
IN	IN-W296.330	12.46	4.13E-01	--	--	--	4.01E-04	8.32E-05	8.82E+00	1.84E+00	--	1.48E-04	--	--	4.56E-08	1.07E-06	1.58E-12	1.22E-06	1.15E-04	1.06E-05	6.03E-05	2.34E-11
IN	IN-W296.331	12.46	1.38E+00	--	--	--	1.34E-03	2.78E-04	2.94E+01	6.14E+00	--	4.94E-04	--	--	1.52E-07	3.59E-06	5.29E-12	4.07E-06	3.83E-04	3.54E-05	2.01E-04	7.79E-11
IN	IN-W298.318	8.01	5.56E+00	--	--	--	4.88E-03	8.85E-04	9.33E+01	1.96E+01	--	1.58E-03	--	--	5.03E-07	1.14E-05	1.69E-11	1.41E-05	1.22E-03	9.76E-05	6.41E-04	2.49E-10
IN	IN-W358.949	10.68	--	--	--	--	--	1.37E+00	2.20E+01	3.89E+01	--	--	--	--	--	1.66E-02	3.31E-11	--	1.78E+00	2.28E-05	1.27E-03	--
IN	IN-W372.918	4.45	2.98E-02	--	--	9.41E-12	2.58E-05	3.81E-05	3.54E-03	--	--	--	--	--	2.62E-09	4.63E-07	--	7.37E-08	4.97E-05	3.68E-09	--	--
KA	KA-T001	502.99	4.05E-02	2.54E-04	5.85E-20	1.85E-08	4.56E-03	4.38E-03	3.90E-02	9.04E-03	2.38E-06	3.83E-05	9.10E-12	8.58E-09	1.15E-06	2.93E-04	4.04E-10	2.24E-05	3.09E-02	3.83E-04	3.63E-03	1.68E-06
KA	KA-W016	52.53	4.22E-03	2.66E-05	6.11E-21	1.93E-09	4.76E-04	4.57E-04	4.07E-03	9.44E-04	2.48E-07	4.00E-06	9.51E-13	8.96E-10	1.20E-07	3.06E-05	4.22E-11	2.34E-06	3.23E-03	4.00E-05	3.79E-04	1.75E-07
LA	LA-TA-00-03	1.78	--	--	--	--	--	--	1.20E+01	--	--	--	--	--	--	--	--	--	--	1.28E-05	--	--
LA	LA-TA-03-27	96.12	5.86E-01	--	--	7.89E-08	5.23E-04	3.84E-04	2.26E+02	2.27E+00	--	1.52E-03	--	3.46E-08	5.50E-08	2.17E-05	2.41E-12	1.52E-06	2.30E-03	9.53E-03	8.30E-05	4.09E-05
OR	OR-W211	294.45	7.38E+00	1.02E-01	9.39E-16	2.82E-09	6.52E-03	3.00E-04	4.29E+00	3.02E+00	6.16E-04	1.02E-02	2.77E-08	6.57E-10	1.47E-01	6.54E-06	1.51E-05	1.57E+00	6.96E-04	1.69E-04	1.10E-04	1.04E-04
OR	OR-W212	146.78	8.49E+00	--	1.16E-15	1.07E-07	7.49E-03	1.59E-02	5.58E-01	7.57E-01	--	--	1.55E-09	3.31E-08	3.04E-05	2.11E-04	1.06E-03	3.37E-04	2.24E-02	4.94E-04	2.49E-05	--
OR	OR-W213	1020.04	7.27E+00	9.80E-03	8.96E-19	1.82E-08	4.23E-02	1.97E-03	1.67E+01	1.92E-02	2.76E-20	9.48E-03	--	7.44E-11	2.62E+01	5.94E-02	4.09E-01	3.30E+01	1.88E+00	2.80E-02	2.98E-02	3.56E-01
OR	OR-W214	2.67	5.98E-04	--	1.59E-21	3.27E-11	1.19E-04	1.49E-07	5.40E-03	1.04E-06	--	--	--	2.63E-13	7.87E-06	3.46E-09	9.00E-19	8.41E-05	5.24E-07	5.78E-09	3.42E-11	1.05E-04
OR	OR-W215	1824.83	5.20E+02	--	7.00E-14	6.67E-06	5.92E-01	7.55E-01	1.73E+03	1.93E+02	--	7.90E-01	5.18E-10	8.81E-06	7.98E+01	5.21E-01	7.06E+00	8.50E+02	5.56E+01	2.72E+00	1.02E-01	1.08E+02
RL	RL105-07	72.98	5.05E+00	1.63E-04	4.10E-17	3.78E-09	8.12E-03	7.55E-04	1.13E+01	5.75E+00	1.06E-19	2.63E-03	--	6.99E-10	1.24E-06	2.46E-04	2.38E-04	2.94E-05	2.68E-02	9.87E-04	3.85E-03	2.11E-02
RL	RL105-09	518.87	1.23E+03	--	--	2.54E-08	1.05E+00	1.38E-01	3.58E+00	5.89E+00	3.97E-17	--	--	1.27E-08	1.05E-04	1.59E-03	4.94E-12	2.98E-03	1.72E-01	3.69E-06	1.90E-04	--
RL	RL324-07	67.64	2.51E+01	--	--	2.41E-06	2.14E-02	1.71E-03	7.76E+00	2.00E+00	1.62E-19	7.03E-02	--	6.09E-07	2.15E-06	1.97E-05	1.68E-12	6.08E-05	2.13E-03	8.01E-06	6.46E-05	1.10E-08
RL	RL324-08	67.64	9.76E+01	--	--	5.77E-06	8.34E-02	8.57E-03	5.53E+00	5.00E+00	7.22E-20	8.95E-03	--	1.91E-06	8.36E-06	9.86E-05	4.20E-12	2.37E-04	1.07E-02	5.71E-06	1.62E-04	1.39E-09
RL	RL325-07	143.29	3.08E+03	--	--	2.00E-08	2.74E+00	2.39E-01	5.28E+01	6.28E+01	--	3.49E-02	--	5.87E-09	2.86E-04	3.28E-03	5.49E-11	7.95E-03	3.48E-01	1.00E-03	2.07E-03	5.54E-09
RL	RL325-08	13.35	5.22E+00	--	--	1.66E-08	4.46E-03	1.51E-03	3.11E+01	1.43E+01	2.02E-19	--	--	7.88E-09	4.47E-07	1.73E-05	1.20E-11	1.27E-05	1.87E-03	3.22E-05	4.63E-04	--
RL	RL327-07	16.91	6.95E+01	--	--	1.01E-06	6.17E-02	2.65E-02	1.56E+02	9.78E+01	--	9.62E-02	--	1.83E-07	6.44E-06	4.08E-04	1.01E-10	1.79E-04	4.33E-02	4.03E-03	3.52E-03	9.58E-03
RL	RLBAT-08	22.25	2.91E-07	--	--	--	2.49E-10	5.93E-11	7.56E-06	1.56E-06	6.52E-27	1.05E-10	--	--	2.48E-14	6.76E-13	1.31E-18	7.05E-13	7.31E-11	7.80E-12	5.05E-11	1.63E-17
RL	RLPURX-07	113.03	2.29E-01	--	--	4.11E-10	2.05E-04	5.59E-05	1.48E+00	6.80E-01	--	2.23E-05	--	1.83E-10	2.15E-08	7.89E-07	5.97E-13	5.96E-07	8.34E-05	1.56E-06	2.25E-05	3.56E-12
RL	RLSWO-08	121.04	4.07E+00	--	--	--	3.48E-03	8.24E-04	1.06E+02	2.19E+01	8.71E-20	1.47E-03	--	--	3.49E-07	9.48E-06	1.84E-11	9.89E-06	1.02E-03	1.09E-04	7.08E-04	2.29E-10
RL	RLWTP-08	846.25	1.35E+03	7.39E-01	--	1.48E-04	5.64E+00	8.68E-02	4.49E+03	7.09E+02	2.71E-18	5.40E-02	--	5.11E-05	3.07E+00	2.03E-01	1.84E-08	3.34E+01	2.21E+01	9.44E-01	3.74E-01	2.09E+01
SA	SA-W135	19.58	1.75E+01	--	1.29E-17	9.44E-08	1.88E-02	5.25E-03	1.18E+01	1.64E+00	2.96E-23	--	--	4.59E-08	2.31E-06	3.53E-04	1.38E-12	5.97E-05	3.80E-02	2.36E-03	5.31E-05	7.83E-04
SR	SR-BCLRH-MT01	0.89	7.64E-01	1.74E-02	1.56E-17	2.35E-09	8.81E-04	7.57E-04	3.07E-01	4.66E-01	3.00E-04	1.54E-03	--	7.54E-10	1.16E-07	1.63E-05	9.04E-12	2.90E-06	1.76E-03	1.31E-05	1.85E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	5.30E-03	1.20E-04	1.08E-19	1.63E-11	6.11E-06	5.27E-06	2.13E-03	3.23E-03	2.08E-06	1.07E-05	--	5.21E-12	8.01E-10	1.13E-07	6.29E-14	2.01E-08	1.22E-05	9.12E-08	1.29E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	1.82E-01	--	3.74E-18	3.85E-11	1.55E-04	3.25E-04	1.14E-01	1.72E-01	--	--	--	7.58E-10	1.69E-08	8.46E-06	5.36E-12	4.55E-07	9.16E-04	7.91E-06	1.08E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	5.33E-01	1.21E-02	1.08E-17	1.64E-09	6.15E-04	5.26E-04	2.15E-01	3.25E-01	2.09E-04	1.07E-03	--	5.25E-10	8.07E-08	1.13E-05	6.33E-12	2.02E-06	1.22E-03	9.15E-06	1.30E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	1.59E+01	3.61E-01	3.24E-16	4.89E-08	1.84E-02	1.58E-02	6.40E+00	9.75E+00	6.25E-03	3.21E-02	--	1.57E-08	2.41E-06	3.38E-04	1.89E-10	6.05E-05	3.67E-02	2.75E-04	3.87E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	1.09E+00	2.46E-02	2.21E-17	3.34E-09	1.26E-03	1.08E-03	4.37E-01	6.64E-01	4.28E-04	2.19E-03	--	1.07E-09	1.65E-07	2.32E-05	1.29E-11	4.13E-06	2.51E-03	1.88E-05	2.64E-04	3.56E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-BCLRH-T006	0.89	2.55E-01	5.79E-03	5.19E-18	7.85E-10	2.94E-04	2.53E-04	1.03E-01	1.56E-01	1.00E-04	5.16E-04	--	2.53E-10	3.87E-08	5.43E-06	3.03E-12	9.69E-07	5.88E-04	4.41E-06	6.20E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	2.11E-03	4.77E-05	4.30E-20	6.49E-12	2.43E-06	2.09E-06	8.48E-04	1.29E-03	8.25E-07	4.24E-06	--	2.09E-12	3.19E-10	4.49E-08	2.50E-14	8.01E-09	4.86E-06	3.65E-08	5.12E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	2.52E-02	5.70E-04	5.13E-19	7.77E-11	2.90E-05	2.50E-05	1.01E-02	1.54E-02	9.88E-06	5.06E-05	--	2.49E-11	3.81E-09	5.36E-07	2.99E-13	9.56E-08	5.81E-05	4.35E-07	6.11E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	1.69E-01	3.85E-03	3.45E-18	5.23E-10	1.95E-04	1.68E-04	6.82E-02	1.04E-01	6.66E-05	3.41E-04	--	1.67E-10	2.56E-08	3.62E-06	2.02E-12	6.43E-07	3.92E-04	2.92E-06	4.13E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	9.59E-01	6.33E-02	2.77E-17	3.30E-08	5.28E-03	3.29E-04	3.22E-03	2.30E-02	7.15E-04	1.28E-05	--	8.72E-09	1.06E-06	2.58E-07	7.27E-14	2.27E-05	3.23E-05	5.08E-08	1.79E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	9.15E-03	--	1.45E-19	2.65E-11	7.79E-06	8.25E-06	1.03E-02	4.75E-05	--	--	--	6.98E-12	7.76E-10	2.79E-07	3.97E-17	2.21E-08	3.03E-05	1.06E-08	1.53E-09	--
SR	SR-T003-773A-HET	140.96	--	2.34E-01	--	1.44E-08	--	6.11E-03	7.26E-03	--	--	--	--	7.00E-09	--	7.97E-05	--	--	8.55E-03	3.82E-09	--	--
SR	SR-W027-SRSG-HET-RH	102.78	2.20E+00	4.15E+00	1.28E-15	--	3.51E-02	5.23E-03	2.11E+01	7.08E+00	4.18E-02	2.45E-03	2.61E-11	--	7.50E-06	6.43E-05	6.23E-12	1.58E-04	6.81E-03	2.23E-05	2.35E-04	3.81E-10
Grand Total		**7079.00**	**6.89E+03**	**5.75E+00**	**7.39E-14**	**1.68E-04**	**1.08E+01**	**2.81E+00**	**7.58E+03**	**1.40E+03**	**5.05E-02**	**1.16E+00**	**2.98E-08**	**6.47E-05**	**1.10E+02**	**8.28E-01**	**7.47E+00**	**9.30E+02**	**8.42E+01**	**3.76E+00**	**6.36E-01**	**1.30E+02**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	104.68	2.30E-02	1.17E+00	--	--	1.34E-01	3.65E-16	7.42E+01	3.79E+01	4.82E-03	2.60E-02	1.09E-13	--	2.15E-02	4.50E-03	1.01E-09	4.40E-02	1.01E-01	1.89E-03	7.47E-03	4.41E-02
AE	AECHHM-S	14.15	4.63E-03	3.21E-03	--	--	4.67E-03	2.54E-17	3.57E+01	9.67E+00	7.48E-09	2.00E-03	--	--	2.20E-04	3.07E-04	2.58E-10	1.01E-04	6.91E-03	2.96E-04	1.90E-03	2.69E-03
AE	AE-T001	513.85	6.40E-02	--	--	--	2.24E+00	2.19E-16	4.05E+02	1.62E+02	--	2.23E-01	--	--	1.25E-01	1.99E-03	2.04E-04	3.50E-01	4.57E-02	1.14E-02	3.22E-02	1.63E-01
AE	AE-T003	109.74	7.64E-03	--	--	--	7.29E-02	2.75E-17	1.18E+02	3.08E+01	--	1.46E-03	--	--	1.70E-02	9.21E-05	8.28E-10	4.55E-02	2.12E-03	9.83E-04	6.10E-03	7.84E-03
AE	MU-W002-S	4.79	2.21E-03	7.10E-04	--	--	5.26E-03	--	1.97E-02	--	--	--	--	--	7.05E-04	5.48E-09	--	1.14E-04	2.45E-07	1.05E-07	--	1.73E-05
AW (MFC)	AW-N026.82	3.78	--	--	--	--	--	--	3.04E-02	--	--	--	--	--	--	--	--	--	--	1.63E-07	--	--
AW (MFC)	AW-N027.531	26.60	2.90E-05	--	--	--	1.87E-05	6.03E-16	7.50E+01	3.07E-01	--	6.54E-06	--	--	3.08E-06	1.85E-03	8.21E-12	8.29E-06	4.14E-02	4.56E-04	6.06E-05	2.06E-07
AW (MFC)	AW-T033.1325	157.54	1.72E-04	--	--	--	1.11E-04	3.63E-15	4.44E+02	1.82E+00	--	3.87E-05	--	--	1.82E-05	1.09E-02	4.86E-11	4.91E-05	2.45E-01	2.70E-03	3.59E-04	1.22E-06
AW (MFC)	AW-W049	51.54	--	--	--	--	--	--	1.92E+00	--	--	--	--	--	--	--	--	--	--	1.02E-05	--	--
BT	BT-T002	18.90	4.61E-06	2.51E-05	--	--	6.00E-05	5.19E-18	6.42E-04	8.88E-04	1.83E-07	1.16E-05	6.73E-13	--	2.65E-07	1.04E-04	7.52E-11	1.30E-06	2.33E-03	2.65E-05	3.03E-04	1.22E-07
IN	BN004-S	283.53	1.01E-01	--	--	--	2.32E-01	2.47E-16	9.21E+02	1.41E+02	--	2.03E-02	--	--	9.12E-02	1.14E-03	3.76E-09	2.43E-01	2.56E-02	7.24E-03	2.78E-02	1.52E-03
IN	BN161-S	61.88	1.94E-02	--	--	--	1.29E-02	5.60E-17	2.02E+02	3.14E+01	--	4.27E-03	--	--	5.69E-05	1.58E-04	8.35E-10	2.80E-04	3.54E-03	1.08E-03	6.18E-03	3.25E-09
IN	BN211-S	545.88	1.86E-01	1.73E-07	--	--	1.43E-01	5.01E-16	1.78E+03	2.79E+02	--	3.94E-02	--	--	1.19E-02	1.53E-03	7.43E-09	3.29E-02	3.44E-02	1.01E-02	5.50E-02	4.63E-06
IN	BN243-S	152.72	1.40E-02	--	--	--	1.14E-02	3.02E-17	9.52E+01	1.44E+01	--	2.46E-03	--	--	5.04E-05	1.25E-04	3.84E-10	2.48E-04	2.80E-03	7.49E-04	2.84E-03	1.87E-09
IN	BN252-S	168.27	7.04E-02	--	--	--	1.06E-01	2.03E-16	8.59E+02	1.25E+02	--	2.26E-02	--	--	4.65E-04	5.86E-04	3.33E-09	2.29E-03	1.32E-02	4.77E-03	2.46E-02	1.72E-08
IN	BN296-S	492.08	2.41E-01	--	--	--	1.93E-01	4.69E-16	1.49E+03	2.24E+02	--	3.85E-02	--	--	2.94E-03	1.36E-03	5.96E-09	9.69E-03	3.05E-02	1.01E+00	4.41E-02	6.48E-04
IN	BN304-S	322.14	1.97E-02	--	--	--	1.49E-02	8.78E-14	2.63E+01	1.35E+01	--	1.92E-02	--	--	6.58E-05	2.46E-01	3.58E-10	3.24E-04	5.53E+00	1.84E-04	2.65E-03	2.38E-02
IN	BN510-S	2311.90	2.66E-01	--	--	--	2.13E-01	1.10E-15	2.39E+03	3.50E+02	--	5.01E-02	--	--	5.43E-03	4.78E-02	9.31E-09	1.65E-02	1.07E+00	1.02E+00	6.89E-02	2.23E-02
IN	BN835-S	958.88	1.08E-02	--	--	--	1.17E-02	8.08E-15	2.51E+00	1.08E+00	--	1.79E-03	--	--	5.16E-05	2.27E-02	2.88E-11	2.54E-04	5.09E-01	1.35E-05	2.13E-04	2.14E-04
IN	BN836-S	1088.64	5.41E-04	--	--	--	2.19E-03	8.96E-15	2.05E+00	9.49E-01	--	1.84E-03	--	--	9.67E-06	2.49E-02	2.53E-11	4.76E-05	5.60E-01	3.91E-05	1.87E-04	1.34E-05
IN	BNINW216-S	3621.20	7.65E+00	--	--	--	5.16E+00	6.78E-16	1.05E+03	1.78E+02	--	1.61E-01	--	--	2.28E-02	8.54E-03	4.74E-09	1.12E-01	2.03E-01	3.00E-02	3.51E-02	1.66E+00
IN	BNINW218-S	475.58	1.44E-02	--	--	--	2.70E-01	1.30E-17	3.88E+01	5.42E+00	--	1.34E-03	--	--	1.19E-03	8.16E-04	1.44E-10	5.86E-03	1.93E-02	1.99E-03	1.07E-03	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	5.71E-05	--	--	--	3.81E-05	1.40E-19	6.33E-01	9.87E-02	--	1.33E-05	--	--	1.68E-07	3.92E-07	2.63E-12	8.26E-07	8.81E-06	3.38E-06	1.94E-05	1.02E-11
IN	ID-RF-S3114-S	95.54	2.07E-03	--	--	--	1.44E-03	2.62E-18	1.18E+01	1.70E+00	--	2.56E-04	--	--	6.36E-06	2.50E-05	4.52E-11	3.13E-05	5.61E-04	7.37E-05	3.34E-04	8.77E-05
IN	ID-RF-S3150-A-S	165.96	1.14E-02	--	--	--	8.67E-03	3.38E-17	1.12E+02	1.68E+01	--	2.38E-03	--	--	3.82E-05	2.48E-02	4.47E-10	1.88E-04	5.57E-01	6.82E-04	3.31E-03	1.84E-04
IN	ID-RF-S5100-A-S	525.75	2.23E-02	--	--	--	1.47E-02	4.79E-17	2.14E+02	3.32E+01	--	4.70E-03	--	--	4.48E-04	1.73E-04	8.84E-10	1.33E-03	3.89E-03	1.16E-03	6.54E-03	4.50E-06
IN	ID-RF-S5126-S	148.89	4.05E-02	--	--	--	2.76E-02	1.09E-16	4.49E+02	7.10E+01	--	9.81E-03	--	--	7.98E-02	1.04E-03	1.89E-09	2.11E-01	2.33E-02	2.41E-03	1.40E-02	7.47E-09
IN	ID-RF-S5300-A-S	1429.67	3.32E-02	1.07E-08	--	--	2.42E-02	2.98E-17	1.36E+02	2.08E+01	--	3.57E-03	--	--	1.06E-01	9.72E-04	5.54E-10	2.81E-01	2.18E-02	1.26E-03	4.10E-03	8.31E-04
IN	IN-BN004	437.22	1.88E-02	--	--	--	1.26E-02	2.48E-17	1.46E+02	2.24E+01	--	2.74E-03	--	--	5.60E-05	9.53E-05	6.08E-10	2.74E-04	2.13E-03	7.87E-04	4.46E-03	2.11E-09
IN	IN-BN161	439.30	1.32E-01	--	--	--	9.16E-02	3.23E-16	1.44E+03	2.22E+02	--	3.03E-02	--	--	4.08E-04	1.13E-03	5.98E-09	2.00E-03	2.52E-02	7.72E-03	4.40E-02	2.32E-08
IN	IN-BN211	424.74	1.39E-01	1.35E-07	--	--	1.12E-01	3.18E-16	1.39E+03	2.17E+02	--	3.06E-02	--	--	9.31E-03	1.20E-03	5.84E-09	2.56E-02	2.68E-02	7.92E-03	4.30E-02	3.60E-06
IN	IN-BN-243	347.36	1.36E-02	--	--	--	9.05E-03	2.99E-17	1.73E+02	2.60E+01	--	7.95E-03	--	--	4.03E-05	1.15E-04	7.05E-10	1.97E-04	2.56E-03	1.07E-03	5.18E-03	9.80E-06
IN	IN-BN252	146.85	5.90E-02	--	--	--	9.21E-02	1.45E-16	7.49E+02	1.09E+02	--	1.97E-02	--	--	4.10E-04	5.14E-04	2.93E-09	2.01E-03	1.15E-02	4.18E-03	2.16E-02	1.51E-08
IN	IN-BN296	925.39	4.35E-01	--	--	--	3.62E-01	7.24E-16	2.79E+03	4.20E+02	--	7.24E-02	--	--	5.56E-03	2.57E-03	1.13E-08	1.83E-02	5.74E-02	1.90E+00	8.33E-02	1.22E-03
IN	IN-BN304	222.56	1.31E-02	--	--	--	1.03E-02	4.98E-14	1.82E+01	9.28E+00	--	1.33E-02	--	--	4.59E-05	1.71E-01	2.50E-10	2.25E-04	3.82E+00	1.27E-04	1.84E-03	1.65E-02
IN	IN-BN-510	11650.46	2.36E+00	2.22E-03	--	--	1.63E+00	1.78E-13	1.49E+04	2.47E+03	--	3.34E-01	--	--	1.81E+02	5.59E-01	1.43E+00	4.76E+02	1.25E+01	5.71E-01	4.89E-01	1.26E-02
IN	IN-BN835	1219.05	7.60E-06	--	--	--	5.00E-06	3.68E-14	3.23E+00	2.23E+00	--	6.29E-06	--	--	2.23E-08	1.40E-01	6.05E-11	1.09E-07	3.13E+00	1.73E-05	4.44E-04	4.83E-12
IN	IN-BN836	2043.09	5.28E-05	--	--	--	3.47E-05	2.62E-14	9.41E-02	3.31E-02	--	4.90E-05	--	--	1.55E-07	9.98E-02	8.97E-13	7.57E-07	2.23E+00	5.06E-07	6.58E-06	3.76E-11
IN	IN-BNINW216	4431.23	5.89E+00	--	--	--	4.02E+00	1.27E-16	7.58E+02	1.17E+02	--	1.42E-02	--	--	1.79E-02	4.89E-04	3.16E-09	8.76E-02	1.09E-02	4.08E-03	2.32E-02	1.09E-08
IN	IN-BNINW218	945.00	5.30E-02	--	--	--	3.58E-02	5.26E-18	2.97E+01	4.55E+00	--	5.54E-04	--	--	1.59E-04	1.92E-05	1.23E-10	7.79E-04	4.30E-04	1.59E-04	9.04E-04	4.25E-10
IN	IN-GEM-01	7.28	1.05E-03	--	--	--	6.74E-04	1.97E-19	1.37E+00	2.13E-01	--	1.85E-05	--	--	2.97E-06	5.61E-07	5.69E-12	1.46E-05	1.26E-05	7.33E-06	4.21E-05	1.41E-11
IN	IN-GEM-02	5.41	7.80E-04	--	--	--	5.01E-04	1.46E-19	1.02E+00	1.59E-01	--	1.38E-05	--	--	2.21E-06	4.16E-07	4.23E-12	1.09E-05	9.35E-06	5.44E-06	3.12E-05	1.05E-11
IN	IN-ID-RF-S3114	3608.01	2.06E-01	--	--	--	1.48E-01	2.30E-16	1.20E+03	1.74E+02	--	2.62E-02	--	--	6.56E-04	2.57E-03	4.67E-09	3.22E-03	5.75E-02	7.58E-03	3.44E-02	8.99E-03
IN	IN-ID-RF-S3150-A	178.88	5.55E-02	--	--	--	4.31E-02	1.53E-17	5.55E+02	8.34E+01	--	1.18E-02	--	--	1.91E-04	1.24E-01	2.23E-09	9.38E-04	2.77E+00	3.40E-03	1.65E-02	9.18E-04
IN	IN-ID-RF-S5126-A	291.20	5.46E-01	--	--	--	3.87E-01	1.26E-15	6.29E+03	9.93E+02	--	1.38E-01	--	--	1.12E+00	1.46E-02	2.68E-08	2.94E+00	3.27E-01	3.39E-02	1.97E-01	1.05E-07
IN	IN-ID-RF-S5300-A	12285.00	2.77E-01	9.18E-08	--	--	2.08E-01	2.20E-16	1.17E+03	1.78E+02	--	3.07E-02	--	--	9.15E-01	8.40E-03	4.79E-09	2.41E+00	1.88E-01	1.09E-02	3.53E-02	7.14E-03
IN	IN-ID-SDA-Debris	5541.33	5.41E+00	8.27E+00	--	--	3.93E+00	7.23E-15	5.56E+03	9.91E+02	--	--	--	--	7.36E-02	3.27E-01	9.79E-08	2.33E-01	7.38E+00	5.80E-01	4.81E-01	1.16E+01
IN	IN-ID-SDA-Sludge	11811.28	1.15E+01	1.76E+01	--	--	8.37E+00	1.54E-14	1.18E+04	2.11E+03	--	--	--	--	1.57E-01	6.97E-01	2.09E-07	4.96E-01	1.57E+01	1.24E+00	1.03E+00	2.48E+01
IN	IN-ID-SDA-Soil	665.60	6.50E-01	9.93E-01	--	--	4.72E-01	8.69E-16	6.67E+02	1.19E+02	--	--	--	--	8.84E-03	3.93E-02	1.18E-08	2.79E-02	8.86E-01	6.97E-02	5.78E-02	1.40E+00
IN	INW161.001-S	19.14	1.13E-02	--	--	--	7.20E-03	3.01E-17	1.36E+02	2.09E+01	--	3.49E-03	--	--	3.18E-05	1.00E-04	5.56E-10	1.56E-04	2.24E-03	8.13E-04	4.11E-03	5.56E-06
IN	IN-W163.1007	11.47	3.78E-03	--	--	--	2.40E-03	1.55E-17	7.51E+01	1.12E+01	--	4.18E-03	--	--	1.06E-05	4.95E-05	3.01E-10	5.22E-05	1.11E-03	4.02E-04	2.22E-03	3.20E-09
IN	IN-W167.149	383.30	8.24E-03	--	--	--	5.29E-03	2.39E-17	1.16E+02	1.73E+01	--	5.32E-03	--	--	2.35E-05	7.64E-05	4.64E-10	1.15E-04	1.71E-03	6.19E-04	3.42E-03	4.07E-09
IN	INW169.001-S	19.14	1.94E-03	--	--	--	1.24E-03	3.75E-18	1.70E+01	2.58E+00	--	5.86E-04	--	--	5.46E-06	2.38E-05	6.87E-11	2.69E-05	5.35E-04	1.63E-04	5.08E-04	4.37E-06
IN	IN-W181.162	80.29	1.74E-03	--	--	--	1.11E-03	4.78E-18	2.35E+01	3.62E+00	--	4.41E-04	--	--	4.91E-06	1.52E-05	9.71E-11	2.41E-05	3.41E-04	1.26E-04	7.16E-04	3.37E-10
IN	IN-W188.160	149.11	3.21E-03	--	--	--	2.04E-03	1.32E-17	6.37E+01	9.52E+00	--	2.97E-03	--	--	9.04E-06	4.20E-05	2.55E-10	4.43E-05	9.40E-04	3.41E-04	1.88E-03	2.27E-09
IN	INW198.001-S	49.09	2.75E-03	--	--	--	1.75E-03	6.78E-18	3.27E+01	4.96E+00	--	8.79E-04	--	--	1.04E-04	2.57E-05	1.32E-10	2.92E-04	5.78E-04	2.10E-04	9.77E-04	5.90E-05
IN	INW211.001-S	303.92	3.37E-01	--	--	--	2.14E-01	7.53E-16	3.15E+03	4.76E+02	--	1.39E-01	--	--	5.76E-03	2.33E-03	1.27E-08	1.73E-02	5.23E-02	1.78E-02	9.38E-02	1.47E-03
IN	INW216.001-S	1245.06	1.81E+01	--	--	--	1.17E+01	6.36E-16	2.82E+03	4.30E+02	--	1.17E-01	--	--	6.39E-02	3.04E-02	1.15E-08	2.86E-01	7.09E-01	1.18E-01	8.47E-02	3.89E+00

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	INW218.001-S	1110.87	2.74E-01	--	--	--	1.76E-01	9.48E-17	4.30E+02	6.53E+01	--	1.69E-02	--	--	4.91E-03	4.36E-02	1.74E-09	1.47E-02	1.04E+00	1.04E-01	1.29E-02	8.74E+00
IN	IN-W219.110	7.70	6.06E-04	--	--	--	3.85E-04	1.66E-18	8.19E+00	1.26E+00	--	1.53E-04	--	--	1.71E-06	5.29E-06	3.37E-11	8.38E-06	1.18E-04	4.38E-05	2.49E-04	1.17E-10
IN	IN-W219.914	1.89	4.90E-05	--	--	--	3.12E-05	1.34E-19	6.64E-01	1.02E-01	--	1.24E-05	--	--	1.38E-07	4.28E-07	2.74E-12	6.78E-07	9.57E-06	3.55E-06	2.02E-05	9.49E-12
IN	INW222.001-S	65.10	2.37E-02	--	--	--	1.51E-02	5.64E-17	2.46E+02	3.75E+01	--	7.33E-03	--	--	6.67E-05	2.02E-04	9.98E-10	3.28E-04	4.58E-03	1.42E-03	7.38E-03	7.02E-03
IN	IN-W222.116	259.02	4.09E-02	--	--	--	2.60E-02	1.66E-16	8.00E+02	1.20E+02	--	3.67E-02	--	--	1.15E-04	5.28E-04	3.21E-09	5.65E-04	1.18E-02	4.28E-03	2.37E-02	2.81E-08
IN	INW243.001-S	74.88	2.96E-02	--	--	--	1.89E-02	5.82E-17	2.05E+02	3.11E+01	--	6.75E-03	--	--	1.00E-03	2.49E-04	8.28E-10	2.83E-03	5.60E-03	1.54E-03	6.12E-03	3.17E-04
IN	INW247.001R1-S	116.90	3.84E-02	--	--	--	2.45E-02	1.39E-16	3.59E+02	5.56E+01	--	7.85E-03	--	--	2.91E-03	4.02E-04	1.48E-09	7.91E-03	9.03E-03	1.92E-03	1.10E-02	5.99E-09
IN	INW252.001-S	60.94	2.81E-02	--	--	--	1.78E-02	6.83E-17	2.61E+02	4.02E+01	--	6.75E-03	--	--	7.86E-05	2.30E-04	1.07E-09	3.87E-04	5.16E-03	1.62E-03	7.92E-03	5.15E-09
IN	IN-W263.520	280.07	2.93E-05	--	--	--	1.86E-05	2.03E-15	1.64E+01	1.77E-02	--	2.62E-05	--	--	8.25E-08	6.47E-03	4.75E-13	4.05E-07	1.45E-01	8.80E-05	3.50E-06	2.00E-11
IN	IN-W267.1005	11.47	6.81E-03	--	--	--	4.32E-03	2.80E-17	1.35E+02	2.02E+01	--	7.98E-03	--	--	1.92E-05	8.93E-05	5.40E-10	9.41E-05	2.00E-03	7.22E-04	3.98E-03	6.10E-09
IN	INW276.001-S	10.19	2.59E-03	--	--	--	1.65E-03	1.31E-17	2.75E+01	4.25E+00	--	6.49E-04	--	--	7.32E-06	3.90E-05	1.14E-10	3.59E-05	8.75E-04	1.47E-04	8.39E-04	4.95E-10
IN	INW276.002-S	16.02	4.08E-03	--	--	--	2.60E-03	1.97E-17	4.13E+01	6.38E+00	--	9.73E-04	--	--	2.83E-04	5.86E-05	1.70E-10	7.70E-04	1.32E-03	2.22E-04	1.26E-03	7.43E-10
IN	INW276.003-S	186.58	1.55E-01	--	--	--	9.88E-02	7.30E-16	1.49E+03	2.31E+02	--	3.62E-02	--	--	1.98E-02	2.14E-03	6.16E-09	5.32E-02	4.80E-02	8.02E-03	4.55E-02	1.15E-06
IN	INW276.004-S	46.80	3.60E-02	--	--	--	2.29E-02	1.53E-16	3.18E+02	4.91E+01	--	7.58E-03	--	--	1.69E-02	4.52E-04	1.31E-09	4.49E-02	1.01E-02	1.72E-03	9.67E-03	5.78E-09
IN	INW296.001-S	97.76	6.23E-02	--	--	--	3.98E-02	1.63E-16	4.44E+02	6.83E+01	--	1.09E-02	--	--	3.94E-03	5.01E-04	1.82E-09	1.08E-02	1.13E-02	2.52E-03	1.35E-02	3.96E-04
IN	IN-W315.601	34.41	6.86E-01	--	--	--	4.51E-01	4.96E-18	2.45E+01	3.77E+00	--	4.57E-04	--	--	2.00E-03	1.58E-05	1.01E-10	9.81E-03	3.55E-04	1.31E-04	7.45E-04	3.49E-10
IN	IN-W319.584	4.79	1.05E-03	--	--	--	6.67E-04	4.32E-18	2.08E+01	3.11E+00	--	1.39E-03	--	--	2.96E-06	1.38E-05	8.35E-11	1.45E-05	3.09E-04	1.11E-04	6.16E-04	1.06E-09
IN	IN-W321.1023	11.47	9.10E-03	--	--	--	5.78E-03	3.74E-17	1.81E+02	2.70E+01	--	6.71E-03	--	--	2.57E-05	1.19E-04	7.24E-10	1.26E-04	2.67E-03	9.66E-04	5.34E-03	5.13E-09
IN	IN-W322.851	1.89	--	--	--	--	--	--	7.89E+00	1.11E+00	--	--	--	--	--	--	2.97E-11	--	--	2.90E-04	2.19E-04	--
IN	IN-W322.952	1.66	--	--	--	--	--	--	2.10E+01	2.96E+00	--	--	--	--	--	--	7.93E-11	--	--	7.71E-04	5.85E-04	--
IN	IN-W323.562	1.89	3.08E-05	--	--	--	1.96E-05	6.73E-18	2.16E-01	--	--	--	--	--	8.69E-08	2.15E-05	--	4.26E-07	4.81E-04	9.70E-05	--	--
IN	IN-W323.951	1.46	2.55E-04	--	--	--	1.62E-04	5.58E-19	1.80E+00	--	--	--	--	--	7.19E-07	1.78E-06	--	3.53E-06	3.99E-05	8.08E-04	--	--
IN	IN-W332.661	4.79	--	--	--	--	--	8.34E-17	1.03E-01	--	--	--	--	--	--	2.66E-04	--	--	5.95E-03	5.52E-07	--	--
IN	IN-W337.673	0.21	--	--	--	--	--	--	2.63E+00	3.70E-01	--	--	--	--	--	--	9.91E-12	--	--	9.64E-05	7.31E-05	--
IN	IN-W337.957	1.89	--	--	--	--	--	--	7.89E+00	1.11E+00	--	--	--	--	--	--	2.97E-11	--	--	2.90E-04	2.19E-04	--
IN	IN-W342.652	1.89	1.43E-03	--	--	--	9.38E-04	--	3.48E-02	2.28E-12	--	--	1.01E-11	--	4.16E-06	--	7.58E-24	2.04E-05	--	1.86E-07	1.19E-16	--
IN	IN-W342.953	0.42	9.53E-04	--	--	--	6.26E-04	--	2.32E-02	1.52E-12	--	--	6.75E-12	--	2.78E-06	--	5.06E-24	1.36E-05	--	1.24E-07	7.92E-17	--
IN	IN-W347.818	153.90	8.27E-04	--	--	--	5.43E-04	--	6.61E+01	7.98E+01	--	--	--	--	2.41E-06	3.11E-07	2.86E-05	1.18E-05	1.39E-05	4.46E-04	1.58E-02	9.77E-04
IN	IN-W348.1012	22.94	1.69E-02	--	--	--	1.07E-02	6.89E-17	3.33E+02	4.99E+01	--	1.52E-02	--	--	4.75E-05	2.20E-04	1.34E-09	2.33E-04	4.92E-03	1.78E-03	9.86E-03	1.16E-08
IN	IN-W353.917	0.21	--	--	--	--	6.91E-05	--	2.16E-02	--	--	--	--	--	3.06E-07	--	--	1.50E-06	--	1.16E-07	--	--
IN	IN-W357.1022	4.79	3.29E-05	--	--	--	2.09E-05	1.35E-19	6.50E-01	9.74E-02	--	3.38E-05	--	--	9.28E-08	4.30E-07	2.61E-12	4.55E-07	9.64E-06	3.48E-06	1.93E-05	2.59E-11
IN	IN-W358.854	1.89	--	--	--	--	--	2.15E-15	1.63E+00	2.13E+00	--	--	--	--	--	6.54E-03	5.69E-11	--	1.47E-01	8.71E-06	4.20E-04	--
IN	IN-W358.855	3.33	--	--	--	--	--	1.15E-14	8.69E+00	1.13E+01	--	--	--	--	--	3.50E-02	3.03E-10	--	7.83E-01	4.65E-05	2.24E-03	--
IN	IN-W358.948	0.21	--	--	--	--	--	2.39E-15	1.81E+00	2.36E+00	--	--	--	--	--	7.28E-03	6.31E-11	--	1.63E-01	9.68E-06	4.66E-04	--
IN	IN-W361.1021	11.47	3.19E-03	--	--	--	2.03E-03	1.31E-17	6.32E+01	9.47E+00	--	2.82E-03	--	--	9.01E-06	4.17E-05	2.54E-10	4.42E-05	9.34E-04	3.38E-04	1.87E-03	2.16E-09
IN	IN-W362.1020	45.88	4.16E-02	--	--	--	2.64E-02	1.71E-16	8.25E+02	1.23E+02	--	3.58E-02	--	--	1.17E-04	5.44E-04	3.31E-09	5.75E-04	1.22E-02	4.42E-03	2.44E-02	2.74E-08
IN	IN-W363.1019	4.79	1.95E-03	--	--	--	1.24E-03	8.03E-18	3.89E+01	5.78E+00	--	1.51E-03	--	--	5.51E-06	2.56E-05	1.55E-10	2.70E-05	5.73E-04	2.08E-04	1.14E-03	1.15E-09
IN	IN-W364.1011	4.79	3.22E-03	--	--	--	2.05E-03	1.32E-17	6.38E+01	9.54E+00	--	3.75E-03	--	--	9.08E-06	4.22E-05	2.56E-10	4.46E-05	9.45E-04	3.41E-04	1.89E-03	2.86E-09
IN	IN-W365.1010	11.47	1.12E-01	--	--	--	7.33E-02	1.05E-17	5.09E+01	7.59E+00	--	2.47E-03	--	--	3.25E-04	3.36E-05	2.04E-10	1.60E-03	7.52E-04	2.72E-04	1.50E-03	1.89E-09
IN	IN-W366.841	16.26	2.56E-03	--	--	--	1.63E-03	8.95E-18	4.30E+01	6.42E+00	--	1.90E-03	--	--	7.25E-06	2.86E-05	1.72E-10	3.56E-05	6.39E-04	2.30E-04	1.27E-03	1.45E-09
IN	IN-W372.832	1.89	1.43E-03	--	--	--	9.38E-04	--	3.48E-02	2.28E-12	--	--	1.01E-11	--	4.16E-06	--	7.58E-24	2.04E-05	--	1.86E-07	1.19E-16	--
IN	IN-W375.1096	199.78	8.04E-04	--	--	--	5.11E-04	3.30E-18	1.60E+01	2.39E+00	--	7.33E-04	--	--	2.27E-06	1.05E-05	6.40E-11	1.11E-05	2.36E-04	8.54E-05	4.72E-04	5.60E-10
KN	KN-B234PCBTRU	0.42	2.31E-06	--	--	--	1.48E-06	6.12E-21	1.14E-02	2.61E-03	--	4.74E-07	--	--	7.03E-06	7.34E-08	3.45E-08	1.85E-05	1.65E-06	1.21E-07	5.14E-07	6.91E-07
KN	KN-B234TRU	968.06	1.19E-01	--	--	--	7.61E-02	3.14E-16	5.90E+02	1.35E+02	--	1.76E-03	--	--	2.45E-02	1.11E-03	1.26E-04	6.53E-02	2.50E-02	3.36E-03	2.65E-02	1.73E-02
LA	LA-LAMHD01	241.23	4.16E-01	1.95E-02	--	--	2.76E-01	9.87E-15	5.88E+03	9.78E+02	3.03E-06	3.36E+00	3.03E-06	--	3.94E-02	3.78E-02	8.96E-07	1.06E-01	8.46E-01	3.19E-02	1.94E-01	7.13E-03
LA	LA-LAMHD02238	368.09	7.73E-03	--	--	--	4.63E-03	1.09E-13	1.10E+01	3.81E+00	3.84E-04	5.51E-03	--	--	2.04E-05	3.36E-01	1.02E-10	1.01E-04	7.54E+00	5.89E-05	7.52E-04	4.21E-09
LA	LA-LAMHD03	5.62	1.98E-03	6.07E-06	--	--	1.37E-03	1.17E-15	7.41E+00	1.26E+00	--	1.36E-03	8.72E-10	--	6.11E-06	4.08E-03	3.40E-11	2.99E-05	9.11E-02	4.21E-05	2.50E-04	2.91E-07
LA	LA-LAMIN02V	42.92	2.58E-02	--	--	--	1.62E-02	6.32E-17	3.35E+02	5.39E+01	--	5.14E-03	--	--	7.15E-05	1.79E-04	1.43E-09	3.52E-04	4.01E-03	1.79E-03	1.06E-02	3.92E-09
LA	LA-LAMIN03NC	0.62	9.63E-04	--	--	--	6.05E-04	2.38E-18	1.25E+01	2.01E+00	--	1.92E-04	--	--	2.67E-06	6.66E-06	5.35E-11	1.31E-05	1.50E-04	6.67E-05	3.96E-04	1.46E-10
LA	LA-LAMIN04S	322.24	1.17E+00	--	--	--	7.40E-01	2.48E-15	8.82E+03	1.53E+03	--	1.60E+00	7.88E-07	--	3.27E-03	7.00E-03	4.07E-08	1.61E-02	1.57E-01	4.71E-02	3.01E-01	1.22E-06
LA	LA-LA-NCD01	434.62	1.15E-01	5.75E-04	--	--	7.91E-02	1.08E-14	1.41E+03	2.32E+02	--	2.38E-02	--	--	3.49E-04	3.17E-02	6.18E-09	1.72E-03	7.11E-01	2.42E-02	4.57E-02	2.05E-04
LA	LA-LANHD01	269.76	1.63E-01	--	--	--	1.05E-01	6.45E-15	2.17E+03	3.49E+02	2.02E-04	3.39E-02	--	--	4.68E-04	2.95E-02	9.37E-09	2.30E-03	6.60E-01	1.19E-02	6.91E-02	3.30E-06
LA	LA-LANHD02238	2245.18	1.18E-01	6.48E-05	--	--	7.71E-02	1.65E-12	1.80E+02	6.18E+01	6.08E-04	8.80E-02	--	--	3.41E-04	5.43E+00	1.65E-09	1.68E-03	1.22E+02	9.63E-04	1.22E-02	6.73E-08
LA	LA-LANIN03NC	1119.02	2.88E+00	2.03E+00	--	--	2.78E+00	1.93E-13	3.22E+04	5.39E+03	--	6.58E-01	--	--	1.23E-02	5.45E-01	1.44E-07	6.03E-02	1.22E+01	1.72E-01	1.06E+00	5.02E-07
LA	LA-MHD01.001-S	487.32	4.00E+00	5.25E-01	--	--	2.66E+00	2.21E-14	3.56E+04	1.13E+03	1.56E-04	1.44E+00	--	--	2.00E-01	1.01E-01	4.55E-06	5.55E-01	2.09E+00	1.92E-01	2.23E-01	2.20E-03
LA	LA-MHD02.001-S	13.52	6.95E-04	2.50E-05	--	--	4.88E-04	1.01E-14	1.20E+00	4.12E-01	5.84E-05	7.11E-04	--	--	3.10E-06	4.26E-02	1.10E-11	1.31E-05	9.58E-01	7.04E-06	8.10E-05	5.42E-10
LA	LA-MHD02238	0.21	5.40E-06	--	--	--	3.39E-06	8.10E-17	7.54E-03	2.61E-03	--	3.54E-06	--	--	1.49E-08	2.29E-04	6.95E-14	7.35E-08	5.14E-03	4.02E-08	5.14E-07	2.70E-12
LA	LA-MHD03.001-S	47.01	4.50E-03	1.93E-03	--	--	5.80E-03	3.21E-16	2.17E+01	4.16E+00	1.44E-06	2.55E-03	--	--	2.56E-05	1.22E-03	1.11E-10	1.26E-04	2.75E-02	1.41E-04	8.18E-04	1.51E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-MIN03-NC.001-S	248.69	4.50E-02	1.83E-04	--	--	3.06E-02	3.44E-17	9.33E+01	9.25E+00	1.39E-08	1.57E-02	--	--	1.35E-04	5.15E-04	2.46E-10	6.64E-04	1.16E-02	7.43E-04	1.82E-03	7.93E-05
LA	LA-OS-00-01	118.14	4.08E+00	--	--	--	2.64E+00	6.84E-15	--	--	--	--	--	--	1.17E-02	2.00E-02	--	5.73E-02	4.48E-01	--	--	--
LA	LA-OS-00-01.001-S	75.71	1.59E-01	--	--	--	1.01E-01	3.67E-14	6.02E+02	1.22E+02	--	5.61E-02	--	--	4.48E-04	1.26E-01	3.26E-09	2.20E-03	2.83E+00	3.24E-03	2.41E-02	1.02E-06
LA	LA-OS-00-01-S	0.42	8.91E-04	--	--	--	5.84E-04	9.90E-18	4.13E+00	2.85E+00	--	9.56E-05	--	--	2.58E-06	8.92E-02	7.61E-11	1.27E-05	6.38E-04	2.21E-05	5.62E-04	7.29E-11
LA	LA-OS-00-03	14.56	8.04E-03	--	--	--	5.19E-03	--	--	--	--	--	--	--	2.30E-05	--	--	1.13E-04	--	--	--	--
LA	LA-PX-00-01	0.62	4.24E-06	--	--	--	2.72E-06	2.73E-20	4.85E-02	7.73E-03	--	--	--	--	1.20E-08	8.25E-08	2.07E-13	5.92E-08	1.85E-06	2.59E-07	1.53E-06	--
LA	LA-TA-00-01	322.96	1.20E-02	5.11E-03	--	--	1.32E-02	2.34E-15	9.60E+01	1.23E+01	2.71E-04	1.03E-01	1.06E-04	--	5.10E-04	8.62E-03	1.10E-07	1.47E-03	1.92E-01	5.17E-04	2.45E-03	7.62E-05
LA	LA-TA-00-02	0.21	5.39E-04	--	--	--	3.42E-04	1.27E-17	9.27E-03	1.03E-01	--	1.14E-01	1.61E-07	--	1.51E-06	3.73E-05	2.75E-12	7.43E-06	8.37E-04	4.96E-08	2.03E-05	8.71E-08
LA	LA-TA-03-01	0.21	1.69E-05	--	--	--	1.73E-05	2.93E-20	1.59E-01	2.56E-02	--	2.44E-06	--	--	7.65E-08	8.47E-08	6.82E-13	3.76E-07	1.90E-06	8.48E-07	5.04E-06	1.86E-12
LA	LA-TA-03-03	13.52	3.05E-04	5.74E-04	--	--	1.04E-03	6.88E-17	3.60E+00	5.81E-01	--	5.85E-05	--	--	4.67E-06	2.08E-04	1.55E-11	2.26E-05	4.66E-03	2.76E-05	1.15E-04	4.82E-08
LA	LA-TA-03-04	0.42	3.73E-05	--	--	--	4.14E-05	1.01E-17	2.49E-01	4.03E-02	--	4.26E-06	--	--	1.83E-07	2.90E-05	1.07E-12	8.99E-07	6.51E-04	1.33E-06	7.93E-06	3.25E-12
LA	LA-TA-03-05	3.14	1.86E-05	--	--	--	2.61E-05	1.82E-18	2.12E-01	3.45E-02	--	3.60E-06	--	--	1.15E-07	5.36E-06	9.22E-13	5.67E-07	1.21E-04	1.45E-05	6.81E-06	3.74E-05
LA	LA-TA-03-06	0.21	7.48E-05	1.72E-04	--	--	7.94E-05	1.42E-18	2.60E-01	4.18E-02	--	4.05E-06	--	--	3.51E-07	4.11E-06	1.12E-12	1.72E-06	9.22E-05	1.39E-06	8.25E-06	3.09E-12
LA	LA-TA-03-07	3.74	1.14E-04	2.93E-04	--	--	6.42E-04	4.76E-19	1.34E+00	2.01E-01	--	2.07E-05	--	--	2.84E-06	1.39E-06	5.35E-12	1.39E-05	3.12E-05	1.34E-05	3.96E-05	6.14E-08
LA	LA-TA-03-08	37.80	1.17E-04	4.00E-04	--	--	1.39E-04	2.03E-17	2.81E-01	3.29E-02	--	3.93E-06	--	--	6.16E-07	6.09E-05	8.79E-13	3.03E-06	1.37E-03	1.96E-04	6.49E-06	5.67E-04
LA	LA-TA-03-09	33.15	8.06E-03	2.97E-03	--	--	6.02E-02	5.41E-17	2.14E+01	3.46E+00	6.62E-07	1.01E-02	1.08E-08	--	2.66E-04	1.62E-04	9.23E-11	1.31E-03	3.63E-03	2.28E-04	6.82E-04	3.97E-05
LA	LA-TA-03-10	485.93	1.48E-02	3.94E-02	--	--	3.24E-02	3.14E-15	1.22E+02	1.94E+01	--	2.04E-03	--	--	1.43E-04	9.16E-03	5.17E-10	7.03E-04	2.06E-01	1.87E-03	3.82E-03	1.45E-04
LA	LA-TA-03-12	200.53	1.07E-02	9.53E-03	--	--	8.03E-03	1.25E-15	6.47E+01	1.10E+01	7.59E-06	2.92E-02	2.36E-08	--	3.59E-05	4.90E-03	1.13E-08	1.75E-04	1.09E-01	2.13E-03	2.20E-03	9.17E-06
LA	LA-TA-03-13	23.30	1.51E-03	1.06E-04	--	--	1.61E-03	3.33E-16	1.81E+01	2.82E+00	--	3.56E-04	--	--	7.16E-06	1.18E-03	7.65E-11	3.51E-05	2.64E-02	1.71E-04	5.61E-04	2.82E-07
LA	LA-TA-03-14	56.77	2.93E-03	3.10E-03	--	--	2.35E-03	5.36E-16	1.39E+01	2.52E+00	--	1.13E-02	1.00E-08	--	1.05E-05	2.02E-03	6.91E-11	5.12E-05	4.51E-02	2.35E-04	5.05E-04	5.02E-06
LA	LA-TA-03-15	8.94	4.87E-04	3.11E-03	--	--	4.43E-04	4.53E-17	1.66E+00	2.69E-01	--	2.24E-03	1.75E-09	--	1.96E-06	1.50E-04	7.36E-12	9.63E-06	3.37E-03	1.47E-05	5.37E-05	8.46E-07
LA	LA-TA-03-16	28.29	1.74E-03	--	--	--	2.06E-03	6.90E-17	1.23E+01	3.36E+00	--	1.63E-03	--	--	9.16E-06	2.40E-04	9.03E-11	4.49E-05	5.37E-03	6.62E-05	6.65E-04	1.25E-09
LA	LA-TA-03-18	0.62	--	--	--	--	--	--	5.39E-03	2.64E-01	--	--	--	--	--	--	7.15E-12	--	--	2.90E-08	5.25E-05	--
LA	LA-TA-03-19	51.17	5.07E-04	--	--	--	3.59E-04	2.49E-16	3.79E+00	8.69E-01	--	5.01E-04	--	--	1.60E-06	9.20E-04	2.35E-11	7.84E-06	2.05E-02	2.04E-05	1.73E-04	3.84E-10
LA	LA-TA-03-20	24.54	4.62E-04	--	--	--	1.76E-03	2.59E-15	5.69E+00	1.11E+00	--	3.47E-04	--	--	7.83E-06	9.14E-03	2.99E-11	3.84E-05	2.04E-01	3.05E-05	2.20E-04	2.66E-10
LA	LA-TA-03-21	98.66	1.85E-04	--	--	--	3.49E-04	1.49E-16	3.16E+00	5.38E-01	--	9.36E-05	--	--	1.56E-06	5.45E-04	1.45E-11	7.61E-06	1.22E-02	1.70E-05	1.07E-04	7.18E-11
LA	LA-TA-03-23	68.66	4.48E-06	--	--	--	2.92E-06	8.55E-18	1.01E-01	1.61E-02	--	1.82E-06	--	--	1.30E-08	3.11E-05	4.35E-13	6.38E-08	6.93E-04	5.43E-07	3.20E-06	1.40E-12
LA	LA-TA-03-24	9.36	9.04E-04	--	--	--	9.58E-04	5.63E-17	8.65E+00	2.01E+00	--	7.74E-04	--	--	4.27E-06	2.08E-04	5.43E-11	2.09E-05	4.64E-03	4.65E-05	3.99E-04	5.94E-10
LA	LA-TA-03-25	0.21	2.05E-06	--	--	--	1.31E-06	7.87E-21	4.74E-02	7.52E-03	--	7.34E-07	--	--	5.80E-09	2.55E-08	2.02E-13	2.85E-08	5.71E-07	2.54E-07	1.49E-06	5.61E-13
LA	LA-TA-03-26	6.66	1.59E-04	--	--	--	1.04E-04	8.27E-17	4.03E+01	5.92E-01	--	6.01E-05	--	--	4.65E-07	1.11E-03	3.55E-11	2.27E-06	2.48E-02	3.95E-03	1.95E-04	5.31E-06
LA	LA-TA-03-28	6.03	1.81E-04	--	--	--	1.18E-04	1.61E-17	3.60E+00	4.51E-01	--	1.06E-04	--	--	5.28E-07	5.80E-05	1.22E-11	2.59E-06	1.30E-03	1.93E-05	8.95E-05	8.13E-11
LA	LA-TA-03-29	0.42	2.83E-05	--	--	--	1.82E-05	1.04E-15	9.73E-02	2.58E-02	--	3.13E-05	--	--	8.10E-08	3.55E-03	6.94E-13	3.97E-07	7.95E-02	5.22E-07	5.11E-06	2.40E-11
LA	LA-TA-03-30	7.77	2.88E-05	9.14E-07	--	--	2.05E-05	3.92E-19	4.60E-02	9.88E-03	--	9.63E-07	--	--	9.16E-08	1.41E-06	2.67E-13	4.48E-07	3.15E-05	5.95E-07	1.96E-06	7.38E-13
LA	LA-TA-03-31	0.21	4.39E-05	--	--	--	2.81E-05	1.66E-19	1.02E+00	1.61E-01	--	1.58E-05	--	--	1.25E-07	5.48E-07	4.33E-12	6.11E-07	1.23E-05	5.45E-06	3.19E-05	1.21E-11
LA	LA-TA-03-32	0.21	--	--	--	--	--	--	1.54E-01	--	--	--	--	--	--	--	--	--	--	2.39E-05	--	--
LA	LA-TA-03-33	2.10	8.61E-08	--	--	--	1.84E-04	--	--	--	--	--	--	--	8.22E-07	3.84E-09	--	4.02E-06	1.71E-07	--	--	1.20E-05
LA	LA-TA-03-34	39.69	5.17E-06	--	--	--	3.36E-06	1.70E-17	3.32E-02	2.52E-03	--	2.46E-07	--	--	1.49E-08	5.22E-05	6.74E-14	7.30E-08	1.17E-03	2.84E-06	4.98E-07	6.16E-06
LA	LA-TA-03-40	28.35	--	--	--	--	--	3.19E-18	6.55E+00	--	--	--	--	--	--	1.09E-05	--	--	2.45E-04	6.59E-05	--	--
LA	LA-TA-03-42	96.39	1.26E-06	--	--	--	8.11E-07	7.02E-19	5.20E-01	4.66E-03	--	4.55E-07	--	--	3.61E-09	2.43E-06	1.26E-13	1.77E-08	5.43E-05	2.79E-06	9.24E-07	3.49E-13
LA	LA-TA-21-05	0.42	4.03E-05	--	--	--	2.62E-05	1.42E-19	9.01E-01	1.46E-01	--	1.65E-05	--	--	1.17E-07	5.15E-07	3.94E-12	5.73E-07	1.15E-05	2.45E-05	2.89E-05	1.27E-11
LA	LA-TA-21-06	256.90	1.45E-02	--	--	--	9.42E-03	8.44E-14	1.76E+02	3.62E+01	--	1.12E-02	--	--	4.20E-05	3.07E-01	9.79E-10	2.06E-04	6.85E+00	1.88E-03	7.19E-03	8.56E-09
LA	LA-TA-21-07	678.79	6.83E-03	2.73E-08	--	--	4.47E-03	6.04E-14	1.77E+02	2.30E+01	--	3.38E-03	--	--	1.99E-05	2.23E-01	6.22E-10	9.75E-05	4.98E+00	9.79E-04	4.57E-03	2.01E-03
LA	LA-TA-21-08	3.54	1.62E-04	--	--	--	1.06E-04	5.12E-16	2.34E+00	4.45E-01	--	1.11E-04	--	--	4.73E-07	1.86E-03	1.20E-11	2.31E-06	4.15E-02	1.26E-05	8.84E-05	8.54E-11
LA	LA-TA-21-09	4.37	1.15E-04	--	--	--	1.48E-04	8.43E-15	3.10E-01	4.92E-02	--	3.91E-04	--	--	6.60E-07	3.06E-02	1.33E-12	3.23E-06	6.83E-01	1.67E-06	9.76E-06	3.00E-10
LA	LA-TA-21-10	0.21	--	--	--	--	--	--	4.35E-01	--	--	--	--	--	--	--	--	--	--	2.34E-06	--	--
LA	LA-TA-21-11	24.57	--	--	--	--	--	2.95E-18	1.83E+01	--	--	--	--	--	--	1.08E-05	--	--	2.41E-04	9.83E-05	--	--
LA	LA-TA-21-12	202.87	2.65E-02	--	--	--	1.73E-02	2.52E-13	2.39E+02	5.34E+01	--	2.26E-02	--	--	1.56E+01	9.06E-01	1.44E-09	4.08E+01	2.02E+01	3.34E-03	1.06E-02	1.74E-08
LA	LA-TA-21-13	2934.38	4.07E+00	--	--	--	2.75E+00	1.03E-15	1.07E+02	--	--	--	--	--	1.23E-02	4.08E-03	1.10E-04	6.01E-02	9.12E-02	2.46E-02	--	1.12E-02
LA	LA-TA-21-14	85.39	--	--	--	--	--	--	8.05E+00	--	--	--	--	--	--	--	--	--	--	4.32E-05	--	--
LA	LA-TA-21-15	3.54	1.28E-04	--	--	--	8.33E-05	4.53E-19	4.09E+00	4.79E-01	--	4.68E-05	--	--	3.72E-07	1.63E-06	1.29E-11	1.82E-06	3.64E-05	2.20E-05	9.50E-05	3.59E-11
LA	LA-TA-21-16	79.87	2.58E-02	--	--	--	1.68E-02	1.18E-16	5.48E+02	8.87E+01	--	1.23E-02	--	--	7.49E-05	4.25E-04	2.39E-09	3.67E-04	9.50E-03	6.24E-03	1.76E-02	9.44E-09
LA	LA-TA-21-17	0.62	9.65E-07	--	--	--	6.29E-07	3.39E-21	2.28E-02	3.61E-03	--	3.53E-07	--	--	2.81E-09	1.23E-08	9.76E-14	1.37E-08	2.75E-07	1.22E-07	7.17E-07	2.71E-13
LA	LA-TA-21-18	15.12	4.12E-02	--	--	--	2.83E-02	1.44E-16	1.12E+02	3.04E+01	--	2.85E-04	--	--	1.26E-04	5.00E-04	8.18E-10	6.17E-04	1.12E-02	6.00E-04	6.02E-03	2.19E-10
LA	LA-TA-21-40	1097.45	1.92E-04	--	--	--	1.40E-04	7.69E-15	2.89E+02	5.21E-01	--	5.10E-05	1.75E-04	--	2.55E-06	2.66E-02	1.40E-11	8.12E-06	5.95E-01	1.55E-03	1.03E-04	1.36E-06
LA	LA-TA-21-41	22.68	--	--	--	--	--	--	1.58E+01	--	--	--	--	--	--	--	--	--	--	8.48E-05	--	--
LA	LA-TA-21-42	103.95	2.49E-03	--	--	--	1.78E-03	2.56E-17	1.82E+01	--	--	--	--	--	7.93E-06	8.88E-05	--	3.88E-05	1.98E-03	1.40E-04	--	--
LA	LA-TA-48-01	8.32	8.55E-05	1.30E-05	--	--	1.74E-04	2.79E-18	5.29E-01	8.97E-02	--	4.23E-06	--	--	3.02E-03	8.88E-06	2.39E-12	7.96E-03	1.99E-04	2.82E-06	1.77E-05	3.23E-12
LA	LA-TA-50-01	0.83	5.09E-06	4.47E-06	--	--	3.28E-06	1.26E-21	7.54E-04	--	--	--	--	--	1.45E-08	8.15E-06	--	7.12E-08	1.83E-04	3.42E-06	--	--

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-50-02	0.62	1.01E-05	--	--	--	6.69E-06	1.99E-18	3.03E-02	--	--	--	--	--	2.95E-08	5.76E-06	--	1.45E-07	1.29E-04	4.87E-07	--	--
LA	LA-TA-50-05	0.21	5.71E-06	--	--	--	3.66E-06	1.80E-19	1.29E-01	2.32E-03	--	--	--	--	1.62E-08	5.16E-07	6.19E-14	7.95E-08	1.16E-05	6.89E-07	4.58E-07	--
LA	LA-TA-50-06	3.55	3.93E-03	--	--	--	2.55E-03	1.77E-17	3.17E+00	1.28E+00	--	2.99E-03	--	--	1.13E-05	5.60E-05	3.42E-11	5.55E-05	1.25E-03	1.70E-05	2.53E-04	2.29E-09
LA	LA-TA-50-10	21.01	6.96E-03	--	--	--	4.43E-03	1.04E-15	8.76E+01	1.41E+01	--	1.48E-03	--	--	1.96E-05	3.13E-03	3.78E-10	9.63E-05	7.02E-02	8.45E-04	2.79E-03	1.35E-02
LA	LA-TA-50-11	1.04	1.06E-04	--	--	--	6.85E-05	3.63E-19	2.18E+00	3.35E-01	--	3.27E-05	--	--	3.05E-07	1.25E-06	9.03E-12	1.49E-06	2.79E-05	1.17E-05	6.65E-05	2.51E-11
LA	LA-TA-50-12	13.21	5.24E-06	--	--	--	3.62E-06	1.10E-18	8.07E-02	--	--	--	--	--	1.61E-08	3.23E-04	--	7.89E-08	1.43E-02	4.33E-07	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	5.08E-20	--	--	--	--	--	--	--	1.65E-07	--	--	3.69E-06	--	--	--
LA	LA-TA-50-14	0.42	1.71E-05	--	--	--	1.14E-05	1.74E-20	1.35E-02	--	--	--	--	--	5.08E-08	5.98E-08	--	2.49E-07	1.34E-06	7.22E-08	--	--
LA	LA-TA-50-15	142.15	4.91E-03	--	--	--	3.23E-03	1.43E-15	3.22E+01	4.84E+00	--	5.32E-04	--	--	1.44E-05	4.85E-03	1.31E-10	7.05E-05	1.08E-01	1.81E-03	9.61E-04	1.48E-07
LA	LA-TA-50-16	13.23	1.59E-04	5.11E-03	--	--	3.67E-03	1.91E-17	5.49E-01	5.43E-02	--	8.61E-06	--	--	1.63E-05	5.96E-05	1.45E-12	7.99E-05	1.34E-03	2.94E-06	1.07E-05	6.58E-12
LA	LA-TA-50-17	329.02	1.39E-01	2.57E-09	--	--	9.18E-02	2.51E-16	3.76E+02	--	--	1.93E-06	--	--	4.99E-03	3.43E-03	--	1.40E-02	7.68E-02	9.97E-03	--	1.80E-05
LA	LA-TA-50-18	100.26	3.40E-02	--	--	--	2.30E-02	1.16E-16	2.58E+02	5.47E-02	--	--	--	--	7.56E-03	4.25E-04	1.48E-12	2.01E-02	9.48E-03	1.40E-03	1.09E-05	--
LA	LA-TA-50-19	897.31	8.46E-02	4.17E-05	--	--	5.73E-02	4.60E-16	2.34E+02	7.83E-01	--	1.34E-04	--	--	2.56E-04	1.73E-03	2.12E-11	1.25E-03	3.86E-02	1.39E-03	1.55E-04	1.20E-05
LA	LA-TA-50-20	0.62	1.82E-06	--	--	--	1.22E-06	--	5.22E-03	--	--	--	--	--	5.43E-09	--	--	2.66E-08	--	2.80E-08	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	5.24E-04	--	--	--	--	--	--	--	--	--	--	2.81E-09	--	--
LA	LA-TA-50-41	35.91	6.01E-05	--	--	--	3.80E-05	2.36E-19	1.38E+00	2.19E-01	--	2.14E-05	--	--	1.69E-07	7.43E-07	5.86E-12	8.28E-07	1.66E-05	7.38E-06	4.33E-05	1.63E-11
LA	LA-TA-54-01	18.90	1.75E-05	7.20E-06	--	--	1.30E-05	3.82E-18	8.18E-02	1.16E-02	--	1.13E-06	--	--	5.73E-08	1.09E-05	3.09E-13	2.82E-07	2.44E-04	9.07E-07	2.28E-06	8.59E-13
LA	LA-TA-55-01	1.04	2.91E-04	--	--	--	1.85E-04	2.79E-17	3.80E+00	6.12E-01	--	5.96E-05	--	--	8.19E-07	8.33E-05	1.63E-11	4.02E-06	1.87E-03	2.03E-05	1.21E-04	4.55E-11
LA	LA-TA-55-02	1.87	4.14E-04	4.28E-06	--	--	2.79E-04	1.01E-18	5.40E+00	8.69E-01	--	8.39E-05	--	--	1.23E-06	3.88E-05	2.32E-11	6.06E-06	8.70E-04	6.23E-05	1.72E-04	3.39E-05
LA	LA-TA-55-03	65.14	2.40E-02	3.88E-04	--	--	1.62E-02	5.85E-15	2.44E+02	4.14E+01	5.42E-06	3.36E-01	2.01E-07	--	7.16E-05	1.97E-02	1.11E-09	3.52E-04	4.43E-01	1.45E-03	8.16E-03	2.09E-06
LA	LA-TA-55-04	22.97	1.82E-03	4.98E-04	--	--	1.17E-03	8.88E-17	2.30E+01	3.73E+00	--	4.86E-03	--	--	5.19E-06	2.66E-04	9.96E-11	2.55E-05	5.95E-03	1.31E-04	7.36E-04	2.51E-06
LA	LA-TA-55-05	140.52	1.29E-02	1.70E-04	--	--	8.33E-03	1.41E-14	1.29E+02	2.18E+01	8.71E-06	1.19E-01	9.07E-08	--	3.69E-05	4.41E-02	5.83E-10	1.81E-04	9.88E-01	1.26E-03	4.30E-03	2.55E-05
LA	LA-TA-55-06	1.04	1.17E-04	--	--	--	7.44E-05	2.75E-19	1.52E+00	2.45E-01	--	2.41E-05	--	--	3.29E-07	8.22E-07	6.55E-12	1.62E-06	1.84E-05	8.30E-06	4.83E-05	2.61E-09
LA	LA-TA-55-07	10.40	4.59E-03	1.65E-05	--	--	2.97E-03	5.92E-16	3.82E+01	6.54E+00	--	1.82E-01	1.87E-07	--	1.31E-05	1.79E-03	1.75E-10	6.45E-05	4.01E-02	3.30E-04	1.29E-03	1.06E-06
LA	LA-TA-55-08	25.78	9.19E-04	--	--	--	5.87E-04	4.83E-16	1.16E+01	1.88E+00	5.47E-06	2.13E-04	--	--	2.60E-06	1.92E-03	5.03E-11	1.28E-05	4.30E-02	6.22E-05	3.72E-04	1.63E-10
LA	LA-TA-55-09	6.24	1.50E-03	3.95E-06	--	--	9.58E-04	2.31E-15	1.53E+01	2.55E+00	--	1.85E-02	8.86E-10	--	4.24E-06	8.01E-03	6.82E-11	2.08E-05	1.80E-01	9.31E-05	5.04E-04	7.08E-05
LA	LA-TA-55-10	3.74	9.77E-04	1.77E-06	--	--	6.32E-04	4.23E-16	9.69E+00	1.61E+00	--	1.35E-02	--	--	2.79E-06	1.28E-03	4.30E-11	1.37E-05	2.87E-02	5.82E-05	3.17E-04	1.03E-08
LA	LA-TA-55-11	2.91	2.34E-04	8.48E-07	--	--	1.61E-04	2.13E-16	2.79E+00	4.54E-01	--	4.42E-04	--	--	7.09E-07	6.16E-04	1.21E-11	3.49E-06	1.38E-02	1.65E-05	8.94E-05	3.37E-10
LA	LA-TA-55-12	6.90	2.03E-04	--	--	--	1.26E-04	2.23E-15	6.42E-01	1.50E-01	1.03E-05	1.25E-04	--	--	5.57E-07	7.08E-03	4.01E-12	2.74E-06	1.59E-01	2.33E-04	2.96E-05	8.75E-07
LA	LA-TA-55-14	641.77	1.93E+01	--	--	--	1.25E+01	1.27E-14	6.99E+03	1.18E+03	--	6.37E+00	4.86E-06	--	5.55E-02	3.87E-02	3.16E-08	2.72E-01	8.66E-01	4.64E-02	2.33E-01	3.81E-03
LA	LA-TA-55-15	18.30	3.82E-02	--	--	--	2.44E-02	5.69E-15	4.62E+02	7.65E+01	--	9.32E-03	--	--	1.08E-04	1.72E-02	2.05E-09	5.30E-04	3.85E-01	2.47E-03	1.51E-02	7.12E-09
LA	LA-TA-55-17B	22.24	3.43E-04	--	--	--	2.18E-04	3.05E-17	4.47E+00	7.19E-01	--	7.00E-05	--	--	9.62E-07	8.97E-05	1.92E-11	4.73E-06	2.01E-03	2.39E-05	1.42E-04	5.34E-11
LA	LA-TA-55-18	2.50	3.33E-04	--	--	--	2.13E-04	6.80E-16	1.59E+01	1.14E+00	--	5.41E-03	5.07E-09	--	9.46E-07	2.26E-03	3.07E-11	4.64E-06	5.05E-02	8.50E-05	2.26E-04	4.14E-09
LA	LA-TA-55-19	4612.83	3.78E-01	4.83E-03	--	--	2.50E-01	8.79E-14	4.12E+03	8.04E+02	2.02E-05	3.40E+00	2.95E-06	--	3.18E-02	3.19E-01	5.42E-08	8.59E-02	7.12E+00	3.20E-02	1.61E-01	7.86E-03
LA	LA-TA-55-19.01-S	81.42	2.72E-02	2.73E-03	--	--	2.12E-02	1.15E-16	2.16E+02	3.61E+01	--	1.65E-01	--	--	9.38E-05	5.55E-03	9.63E-10	4.61E-04	1.24E-01	1.38E-03	7.12E-03	3.87E-04
LA	LA-TA-55-19.02-S	228.99	1.53E-01	4.83E-02	--	--	1.19E-01	1.16E-15	7.06E+02	1.34E+02	--	1.23E+00	--	--	2.21E-03	4.02E-02	2.06E-05	7.01E-03	8.67E-01	4.72E-03	2.64E-02	1.53E-03
LA	LA-TA-55-20	55.14	1.44E-02	2.55E-04	--	--	1.07E-02	1.03E-14	1.63E+02	2.81E+01	--	3.96E-01	1.51E-07	--	4.74E-05	3.39E-02	7.54E-10	2.32E-04	7.59E-01	1.38E-03	5.55E-03	8.96E-05
LA	LA-TA-55-21	174.32	4.05E-02	5.13E-05	--	--	2.63E-02	1.51E-14	5.92E+02	1.10E+02	--	1.98E-01	1.60E-07	--	1.17E-04	5.40E-02	2.99E-09	5.73E-04	1.21E+00	3.85E-03	2.19E-02	3.02E-03
LA	LA-TA-55-22	88.96	7.65E-03	4.29E-05	--	--	4.95E-03	1.56E-14	7.79E+01	1.31E+01	--	2.03E-02	1.88E-08	--	2.20E-05	4.93E-02	3.51E-10	1.08E-04	1.10E+00	4.31E-04	2.59E-03	6.64E-06
LA	LA-TA-55-23	34.32	1.11E-02	1.27E-05	--	--	7.24E-03	1.02E-15	1.82E+02	3.19E+01	--	5.98E-03	--	--	3.22E-05	3.51E-03	8.60E-10	1.58E-04	7.84E-02	9.94E-04	6.33E-03	4.28E-07
LA	LA-TA-55-24	5.20	1.20E-03	3.98E-05	--	--	1.02E-03	4.88E-16	1.89E+01	3.07E+00	--	3.85E-04	--	--	4.51E-06	1.58E-03	8.26E-11	2.21E-05	3.54E-02	2.47E-04	6.08E-04	3.16E-05
LA	LA-TA-55-25	15.65	6.25E-03	3.06E-05	--	--	4.07E-03	3.52E-15	1.21E+02	1.79E+01	--	1.67E-01	1.58E-07	--	1.81E-05	1.18E-02	4.82E-10	8.86E-05	2.64E-01	6.48E-04	3.55E-03	1.27E-07
LA	LA-TA-55-26	2.29	1.35E-03	--	--	--	8.75E-04	6.44E-16	1.55E+00	4.09E-01	--	8.96E-02	8.57E-08	--	3.88E-06	2.02E-03	1.09E-11	1.90E-05	4.53E-02	8.28E-06	8.07E-05	6.85E-08
LA	LA-TA-55-27	0.42	9.42E-07	--	--	--	6.05E-07	3.50E-21	2.19E-02	3.48E-03	--	3.40E-07	--	--	2.69E-09	1.18E-08	9.36E-14	1.32E-08	2.64E-07	1.18E-07	6.89E-07	2.60E-13
LA	LA-TA-55-28	1.04	1.01E-04	--	--	--	6.36E-05	3.86E-19	4.14E+00	3.48E-01	--	3.39E-05	--	--	2.82E-07	1.19E-06	9.32E-12	1.38E-06	2.68E-05	2.21E-05	6.88E-05	2.59E-11
LA	LA-TA-55-29	8.32	1.16E-03	--	--	--	7.33E-04	1.26E-14	4.37E+00	1.02E+00	--	4.71E-02	3.62E-08	--	3.25E-06	3.89E-02	2.73E-11	1.59E-05	8.70E-01	2.34E-05	2.01E-04	3.60E-08
LA	LA-TA-55-30	2262.94	7.25E-01	6.26E-03	--	--	4.78E-01	1.90E-13	7.53E+03	1.38E+03	--	8.76E+00	7.74E-06	--	2.85E-03	6.69E-01	7.33E-07	1.23E-02	1.49E+01	4.75E-02	2.75E-01	7.92E-02
LA	LA-TA-55-30-S	95.32	4.53E-02	4.06E-03	--	--	3.67E-02	2.56E-16	2.14E+02	4.09E+01	--	5.93E-02	--	--	3.68E-03	1.16E-03	3.28E-05	1.01E-02	2.61E-02	1.36E-03	8.05E-03	5.58E-04
LA	LA-TA-55-31	76.03	2.78E-02	5.47E-06	--	--	1.77E-02	2.39E-16	4.14E+02	7.25E+01	--	1.05E+00	9.89E-07	--	7.86E-05	1.01E-03	1.95E-09	3.86E-04	2.26E-02	2.39E-03	1.44E-02	1.67E-05
LA	LA-TA-55-32	8.36	2.52E-03	--	--	--	1.64E-03	1.60E-14	1.80E+01	3.50E+00	--	1.49E-02	1.31E-08	--	7.29E-06	5.42E-02	9.67E-11	3.57E-05	1.21E+00	1.72E-04	7.04E-04	7.17E-07
LA	LA-TA-55-33	2.50	1.26E-04	--	--	--	8.10E-05	4.85E-19	7.41E-01	2.45E-01	--	1.25E-04	--	--	3.60E-07	1.66E-06	6.60E-12	1.76E-06	3.72E-05	3.97E-06	4.86E-05	9.60E-11
LA	LA-TA-55-34	70.51	1.17E-01	--	--	--	7.58E-02	3.41E-16	1.58E+03	2.70E+02	--	1.40E-01	9.66E-08	--	3.93E-03	1.76E-03	7.28E-09	1.11E-02	3.96E-02	9.03E-03	5.35E-02	2.80E-02
LA	LA-TA-55-35	1.46	3.46E-02	--	--	--	2.27E-02	5.93E-18	2.62E+01	4.22E+00	--	8.58E-03	7.78E-09	--	1.00E-04	2.72E-05	1.13E-10	4.93E-04	6.08E-04	1.46E-04	8.36E-04	6.21E-08
LA	LA-TA-55-36	78.02	2.38E+00	--	--	--	1.57E+00	1.75E-15	9.63E+02	1.58E+02	--	5.75E-01	4.76E-07	--	6.96E-03	6.32E-03	4.23E-09	3.41E-02	1.42E-01	5.80E-03	3.12E-02	1.85E-02
LA	LA-TA-55-37	3.33	1.92E-02	--	--	--	1.25E-02	5.45E-18	1.75E+01	3.30E+00	--	6.71E-04	--	--	5.53E-05	1.66E-03	8.81E-11	2.72E-04	3.75E-02	1.62E-03	6.51E-04	4.50E-02
LA	LA-TA-55-38	374.82	2.98E+00	2.48E-01	--	--	1.98E+00	1.53E-14	5.67E+03	1.07E+03	--	1.81E+00	1.44E-06	--	4.47E-02	6.11E-02	2.30E-03	1.38E-01	1.37E+00	3.74E-02	2.12E-01	2.71E-01
LA	LA-TA-55-39	69.26	1.32E-01	--	--	--	8.46E-02	5.73E-16	2.93E+03	4.68E+02	--	2.69E-01	2.07E-07	--	3.76E-04	1.94E-03	1.26E-08	1.84E-03	4.34E-02	1.57E-02	9.26E-02	2.43E-07
LA	LA-TA-55-40	1.25	3.60E-02	--	--	--	2.36E-02	4.53E-18	1.97E+01	3.24E+00	--	4.92E-03	4.35E-09	--	1.05E-04	1.45E-05	8.69E-11	5.15E-04	3.24E-04	1.05E-04	6.41E-04	3.76E-09

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-41	18.95	4.74E-01	--	--	--	3.11E-01	1.12E-16	3.16E+02	5.20E+01	2.91E-06	3.68E-01	3.46E-07	--	1.38E-03	3.56E-04	1.40E-09	6.77E-03	7.97E-03	1.69E-03	1.03E-02	2.81E-07
LA	LA-TA-55-42	0.62	7.87E-05	--	--	--	4.99E-05	1.28E-15	1.26E-01	4.34E-02	--	5.93E-05	--	--	2.21E-07	3.88E-03	1.16E-12	1.08E-06	8.70E-02	6.72E-07	8.56E-06	4.53E-11
LA	LA-TA-55-43	13.82	7.39E-04	1.22E-06	--	--	4.86E-04	3.28E-15	8.14E+00	1.58E+00	--	5.99E-04	--	--	2.16E-06	1.15E-02	1.50E-06	1.06E-05	2.57E-01	4.37E-05	3.13E-04	4.59E-10
LA	LA-TA-55-43.01-S	190.89	2.22E-04	8.98E-06	--	--	1.79E-04	3.03E-15	4.03E-01	4.48E-01	--	5.28E-04	--	--	7.93E-07	1.05E-02	4.58E-06	3.90E-06	2.35E-01	2.16E-06	8.84E-05	4.03E-10
LA	LA-TA-55-44	0.42	1.94E-05	--	--	--	1.21E-05	8.72E-20	2.73E-01	5.16E-02	--	1.24E-05	--	--	5.32E-08	2.51E-07	1.37E-12	2.62E-07	5.62E-06	1.46E-06	1.02E-05	9.49E-12
LA	LA-TA-55-46	0.21	3.06E-08	--	--	--	1.98E-08	4.10E-19	4.40E-05	1.52E-05	--	2.07E-08	--	--	8.78E-11	1.34E-06	4.08E-16	4.31E-10	3.00E-05	2.36E-10	3.01E-09	1.58E-14
LA	LA-TA-55-47	2.10	1.09E-06	--	--	--	6.88E-07	7.33E-19	2.42E-02	3.86E-03	--	4.09E-07	--	--	3.05E-09	2.27E-06	1.03E-13	1.50E-08	5.08E-05	1.30E-07	7.62E-07	3.12E-13
LA	LA-TA-55-50	2.93	1.55E-05	--	--	--	9.84E-06	1.38E-17	1.43E-01	2.58E-02	--	5.01E-06	--	--	4.35E-08	4.13E-05	6.90E-13	2.14E-07	9.27E-04	7.67E-07	5.10E-06	3.82E-12
LA	LA-TA-55-53	11.86	2.23E-02	--	--	--	1.41E-02	5.51E-17	2.64E+02	4.42E+01	--	5.43E-03	--	--	6.23E-05	1.61E-04	1.18E-09	3.06E-04	3.61E-03	1.41E-03	8.72E-03	4.14E-09
LA	LA-TA-55-54	1.04	6.57E-04	--	--	--	4.27E-04	3.50E-17	6.95E+00	1.33E+00	--	3.21E-04	--	--	1.90E-06	1.19E-04	3.57E-11	9.30E-06	2.66E-03	3.73E-05	2.63E-04	2.46E-10
LA	LA-TA-55-56	9.36	1.16E-02	7.56E-05	--	--	8.10E-03	1.22E-16	1.40E+02	2.35E+01	--	2.80E-03	--	--	3.60E-05	4.49E-04	6.32E-10	1.76E-04	1.00E-02	7.98E-04	4.66E-03	3.19E-07
LA	LA-TA-55-60	128.52	2.71E-03	--	--	--	5.45E-03	5.62E-17	1.10E+01	2.58E+00	--	4.00E-01	3.82E-07	--	2.42E-05	1.95E-04	6.95E-11	1.19E-04	4.35E-03	5.91E-05	5.11E-04	6.60E-07
LA	LA-TA-55-61	198.45	2.61E-03	--	--	--	1.69E-03	3.00E-16	2.21E+01	5.12E+00	--	1.76E-02	1.50E-08	--	7.50E-06	1.02E-03	1.38E-10	3.68E-05	2.28E-02	1.18E-04	1.01E-03	1.35E-08
LA	LA-TA-55-62	43.47	1.58E-04	--	--	--	1.02E-04	6.59E-19	8.50E-01	2.77E-01	--	1.55E-04	--	--	4.52E-07	2.26E-06	7.45E-12	2.22E-06	5.06E-05	4.56E-06	5.48E-05	1.19E-10
LA	LA-TA-55-63	3.78	8.70E-06	--	--	--	5.55E-06	3.32E-20	2.01E-01	3.19E-02	--	3.12E-06	--	--	2.47E-08	1.08E-07	8.58E-13	1.21E-07	2.43E-06	1.08E-06	6.32E-06	2.39E-12
LB	LB-T001	1.82	2.78E-04	5.10E-04	--	--	3.06E-04	1.09E-21	3.08E-03	5.02E-04	2.54E-04	7.40E-05	3.29E-10	--	1.96E-03	2.71E-06	9.09E-09	5.17E-03	1.21E-04	5.07E-08	9.88E-08	8.55E-03
LL	BLCHDN.001-S	1.66	7.79E-04	1.39E-03	--	--	9.16E-04	4.99E-19	2.43E-04	3.57E-04	7.43E-04	--	--	--	4.04E-06	1.41E-06	9.51E-15	1.99E-05	3.16E-05	6.79E-10	7.03E-08	--
LL	LL-M001	346.58	3.51E-01	1.85E-01	--	--	2.20E-01	1.52E-09	4.44E+02	1.14E+02	3.16E-02	1.03E-01	5.92E-07	--	1.43E-01	1.02E-02	5.06E-06	3.78E-01	2.22E-01	3.09E-03	2.23E-02	2.16E-03
LL	LL-M001-S5400-S	143.14	1.17E-01	8.45E-03	--	--	1.46E-01	2.03E-15	5.18E+02	9.87E+01	1.95E-03	3.14E-02	--	--	6.44E-04	6.58E-03	2.63E-09	3.17E-03	1.48E-01	3.26E-03	1.94E-02	3.54E-03
LL	LL-T004	1.25	6.27E-03	--	--	--	4.07E-03	8.77E-18	3.41E+00	1.13E+00	--	1.19E-03	--	--	1.80E-05	2.44E-05	3.00E-11	8.83E-05	5.48E-04	1.82E-05	2.22E-04	9.05E-10
LL	LL-W018a	590.42	1.67E+01	8.47E-04	--	--	2.11E+00	9.71E-15	6.84E+01	2.47E-01	1.34E+01	1.97E-05	4.92E-17	--	2.50E-01	2.78E-02	6.57E-12	6.81E-01	6.23E-01	4.21E-04	4.86E-05	3.68E-03
LL	LL-W018b	34.76	7.45E-04	--	--	--	4.73E-04	7.47E-19	1.22E+00	2.47E-01	--	8.89E-05	--	--	2.09E-06	2.08E-06	6.57E-12	1.03E-05	4.67E-05	6.50E-06	4.86E-05	6.77E-11
LL	LL-W019	15.81	1.30E-02	1.40E-06	--	--	9.61E-03	1.23E-16	5.62E+01	1.09E+01	--	3.71E-03	--	--	3.90E-01	3.49E-04	2.89E-10	1.03E+00	7.84E-03	8.92E-04	2.14E-03	1.18E-03
MC	MC-W001	0.21	--	--	--	--	3.94E-05	--	4.37E-03	--	--	--	--	--	1.76E-07	--	--	8.60E-07	--	2.34E-08	--	--
NT	NT-JAS-01	2830.77	1.95E-01	--	--	--	1.24E-01	1.10E-15	2.43E+02	1.33E+02	--	--	--	--	5.46E-04	3.14E-03	3.55E-09	2.69E-03	7.04E-02	1.30E-03	2.62E-02	--
NT	NTLBL-S5400-S	1.66	3.97E-04	3.62E-03	--	--	9.10E-04	8.36E-19	5.83E-01	9.09E-02	2.85E-05	2.10E-05	--	--	4.01E-06	2.34E-06	2.42E-12	1.97E-05	5.26E-05	3.11E-06	1.79E-05	1.60E-11
NT	NTLRC-S5400-S	3.12	1.88E-03	2.19E-05	--	--	1.44E-03	3.28E-18	6.22E+00	1.55E+00	--	2.90E-04	--	--	6.34E-06	2.04E-04	4.12E-11	3.12E-05	4.58E-03	1.81E-04	3.05E-04	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	1.68E-03	5.72E-07	--	--	1.11E-03	5.43E-18	2.10E+01	3.24E+00	--	4.27E-04	--	--	2.21E-03	5.49E-05	8.61E-11	5.83E-03	1.23E-03	1.30E-04	6.37E-04	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	1.77E-03	--	--	--	1.15E-03	6.84E-18	3.36E+01	4.23E+00	--	5.21E-04	--	--	5.05E-06	2.17E-05	1.13E-10	2.49E-05	4.87E-04	1.79E-04	8.33E-04	2.84E-05
NT	NT-RF-METAL-S	6.03	3.88E-04	1.70E-06	--	--	2.55E-04	1.22E-18	5.83E+00	9.80E-01	--	1.34E-04	--	--	1.13E-06	1.97E-03	2.61E-11	5.54E-06	4.44E-02	5.85E-05	1.93E-04	2.23E-02
NT	NTS54332R0-S	307.24	5.00E-02	8.10E-03	--	--	4.58E-02	1.43E-16	3.19E+02	5.67E+01	1.50E-04	1.03E-02	--	--	8.09E-02	1.63E-03	1.51E-09	2.14E-01	3.66E-02	1.00E+00	1.12E-02	1.01E-02
NT	NTS54COMR0-S	50.35	1.27E-02	1.31E-02	--	--	1.26E-02	1.22E-16	4.43E+01	7.20E+00	5.29E-04	1.83E-03	--	--	9.69E-02	4.35E-04	1.92E-10	2.56E-01	9.77E-03	2.50E-04	1.42E-03	8.79E-04
NT	NTS54MIX1R0-S	0.42	1.33E-06	5.97E-05	--	--	1.63E-06	2.30E-21	2.50E-02	4.09E-03	--	6.76E-07	--	--	7.20E-09	6.61E-09	1.09E-13	3.54E-08	1.48E-07	1.34E-07	8.05E-07	5.16E-13
NT	NT-W001	291.38	4.56E-02	3.62E-01	--	--	3.22E-02	3.40E-16	1.14E+03	5.20E+00	1.57E-04	4.10E-02	4.75E-07	--	3.18E-01	1.22E-03	1.39E-10	8.37E-01	2.72E-02	6.17E-03	1.03E-03	7.32E-05
NT	NT-W021	9.58	3.23E-03	--	--	--	2.06E-03	8.91E-18	4.71E+01	7.32E+00	--	1.09E-03	--	--	9.14E-06	1.36E-03	1.96E-10	4.48E-05	3.07E-02	8.28E-04	1.45E-03	2.97E-02
OR	OR-W201	2083.28	5.21E+00	7.21E-01	--	--	3.62E+00	4.04E-14	2.58E+03	2.39E+03	7.46E-02	2.04E+00	5.25E-06	--	4.91E+01	2.67E+00	1.08E-03	1.29E+02	5.98E+01	2.40E-02	1.19E+00	1.75E-01
OR	OR-W202	720.66	1.65E-01	3.32E+00	--	--	1.01E+00	1.20E-14	1.84E+02	1.18E+02	2.86E-03	2.08E-01	1.31E-05	--	3.56E+01	4.66E-02	1.37E-03	9.35E+01	9.26E-01	5.41E-03	2.35E-02	2.74E-02
OR	OR-W203	386.56	1.55E-03	1.55E-01	--	--	9.15E-04	1.49E-17	6.80E-02	2.02E+00	1.10E-04	5.19E-02	3.11E-07	--	4.03E-06	4.15E-05	5.38E-11	1.98E-05	9.33E-04	2.94E-07	3.98E-04	3.30E-08
OR	OR-W204	18.10	1.59E-04	1.97E-04	--	--	3.10E-05	1.17E-18	1.35E-01	5.97E-02	1.12E-04	6.67E-07	--	--	3.92E-02	1.02E-05	1.61E-12	1.03E-01	2.30E-04	2.04E-05	1.18E-05	1.50E-04
OR	OR-W205	101.71	4.74E-02	--	--	--	3.10E-02	1.25E-16	2.48E+02	7.46E+01	--	9.68E-03	--	--	3.15E-03	2.56E-01	7.35E-06	8.59E-03	5.74E+00	1.79E-03	1.48E-02	6.02E-03
RF	RF001.01-S	979.16	5.92E-01	7.37E-04	--	--	4.30E-01	8.28E-16	2.91E+03	4.59E+02	--	1.17E-01	--	--	2.99E-02	1.12E-02	1.22E-08	8.31E-02	2.51E-01	2.51E-02	9.05E-02	2.21E-03
RF	RF002.01-S	1461.40	5.95E-01	6.60E-04	--	--	3.88E-01	1.23E-15	3.81E+03	6.09E+02	--	1.21E-01	--	--	9.83E-03	9.30E-03	1.63E-08	2.98E-02	2.11E-01	2.74E-02	1.20E-01	2.83E-01
RF	RF003.01-S	355.39	1.09E+00	--	--	--	6.99E-01	2.97E-15	1.10E+04	1.80E+03	--	2.91E-01	--	--	6.83E-03	9.35E-03	4.80E-08	2.50E-02	2.10E-01	5.91E-02	3.55E-01	1.30E-03
RF	RF004.01-S	282.97	9.84E-02	5.51E-07	--	--	6.37E-02	1.85E-16	5.94E+02	9.34E+01	--	1.90E-02	--	--	2.81E-04	1.43E-03	2.49E-09	1.38E-03	3.21E-02	3.83E-03	1.84E-02	7.54E-04
RF	RF005.01-S	119.39	1.76E+00	--	--	--	1.14E+00	1.17E-15	4.14E+03	7.22E+02	--	1.00E-01	--	--	5.03E-03	3.47E-03	1.93E-08	2.47E-02	7.78E-02	2.22E-02	1.42E-01	7.65E-08
RF	RF005.02-S	78.42	2.08E+00	--	--	--	1.35E+00	6.91E-16	2.51E+03	4.48E+02	--	6.40E-02	--	--	5.96E-03	2.06E-03	1.20E-08	2.93E-02	4.62E-02	1.34E-02	8.83E-02	2.20E-07
RF	RF006.01-S	235.66	8.69E-01	--	--	--	5.59E-01	2.60E-15	7.97E+03	1.31E+03	--	2.94E-01	--	--	2.48E-03	8.33E-03	3.50E-08	1.22E-02	1.86E-01	4.29E-02	2.58E-01	1.61E-06
RF	RF008.01-S	97.15	4.16E-01	--	--	--	2.79E-01	1.12E-15	2.94E+03	5.46E+02	--	1.35E-01	--	--	1.23E-03	3.31E-03	1.46E-08	6.05E-03	7.42E-02	1.57E-02	1.08E-01	1.78E-07
RF	RF009.01-S	1326.87	2.22E+01	--	--	--	1.46E+01	1.11E-14	4.76E+04	8.01E+03	--	1.35E+00	--	--	6.46E-02	3.29E-02	2.14E-07	3.18E-01	7.37E-01	2.54E-01	1.58E+00	3.75E-06
RF	RF010.01-S	629.55	6.48E-01	2.56E-05	--	--	4.18E-01	1.43E-15	5.42E+03	8.57E+02	--	1.58E-01	--	--	1.84E-03	9.57E-03	2.29E-08	9.07E-03	2.15E-01	3.29E-02	1.69E-01	3.58E-03
RF	RF011.01-S	79.52	1.12E-01	--	--	--	7.11E-02	3.57E-16	1.29E+03	2.10E+02	--	3.03E-02	--	--	3.14E-04	1.06E-03	5.59E-09	1.54E-03	2.37E-02	6.89E-03	4.14E-02	4.23E-06
RF	RF015.01-S	1.66	2.13E-03	--	--	--	1.42E-03	5.39E-18	1.62E+01	2.57E+00	--	5.77E-04	--	--	6.27E-06	1.55E-05	6.85E-11	3.08E-05	3.48E-04	8.67E-05	5.07E-04	4.40E-10
RF	RF029.01-S	4346.98	1.07E+00	9.03E-04	--	--	6.98E-01	2.10E-15	5.93E+03	9.68E+02	--	2.19E-01	5.61E-14	--	3.08E-03	9.55E-03	2.58E-08	1.52E-02	2.14E-01	3.43E-02	1.91E-01	1.26E-03
RF	RF031.01-S	20.59	5.38E-03	--	--	--	3.43E-03	1.32E-17	4.16E+01	6.55E+00	--	1.31E-03	--	--	1.51E-05	7.67E-05	1.74E-10	7.45E-05	1.72E-03	2.51E-04	1.29E-03	4.10E-05
RF	RF032.01-S	209.25	9.26E-01	--	--	--	6.13E-01	1.78E-15	7.46E+03	1.19E+03	--	1.50E-01	--	--	2.71E-03	5.22E-03	3.17E-08	1.33E-02	1.17E-01	3.99E-02	2.34E-01	6.18E-07
RF	RF033.01-S	25.58	6.69E-02	--	--	--	4.28E-02	1.97E-16	6.91E+02	1.09E+02	--	1.82E-02	--	--	1.89E-04	5.80E-04	2.92E-09	9.30E-04	1.30E-02	3.70E-03	2.16E-02	6.00E-05
RF	RF036.01-S	44.10	2.97E-02	5.08E-05	--	--	1.90E-02	7.69E-17	2.29E+02	3.62E+01	--	8.11E-03	--	--	8.39E-05	3.26E-04	9.65E-10	4.13E-04	7.35E-03	1.33E-03	7.14E-03	2.98E-03
RF	RF101.01-S	174.96	1.84E-01	6.59E-04	--	--	1.18E-01	4.60E-16	1.46E+03	2.32E+02	--	4.57E-02	--	--	5.21E-04	3.15E-03	6.18E-09	2.56E-03	7.07E-02	9.15E-03	4.57E-02	8.53E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF101.29-S	30.39	1.63E-02	--	--	--	1.04E-02	4.38E-17	1.35E+02	2.14E+01	--	4.20E-03	--	--	4.61E-05	3.69E-04	5.69E-10	2.27E-04	8.29E-03	9.03E-04	4.21E-03	2.04E-04
RF	RF101.30-S	117.41	1.47E-01	1.96E-04	--	--	9.59E-02	2.20E-16	7.61E+02	1.21E+02	--	2.52E-02	--	--	4.24E-04	1.36E-03	3.23E-09	2.08E-03	3.05E-02	4.59E-03	2.39E-02	1.85E-04
RF	RF101.31-S	62.53	3.02E-02	8.51E-06	--	--	1.94E-02	6.00E-17	2.02E+02	3.26E+01	--	8.18E-03	--	--	8.59E-05	4.23E-04	8.70E-10	4.22E-04	9.48E-03	1.26E-03	6.42E-03	8.29E-05
RF	RF101.35-S	79.56	1.03E-01	--	--	--	6.72E-02	1.69E-16	5.52E+02	8.75E+01	--	2.07E-02	--	--	2.97E-04	4.20E-03	2.33E-09	1.46E-03	9.43E-02	5.66E-03	1.72E-02	2.19E-04
RF	RF102.01-S	223.63	7.83E-02	1.24E-04	--	--	5.08E-02	1.69E-16	4.96E+02	8.01E+01	--	1.76E-02	--	--	2.24E-04	6.65E-04	2.14E-09	1.10E-03	1.49E-02	2.78E-03	1.58E-02	3.99E-04
RF	RF102.31-S	124.09	5.82E-02	1.20E-05	--	--	3.79E-02	7.81E-17	2.38E+02	3.82E+01	--	8.38E-03	--	--	1.68E-04	5.73E-04	1.02E-09	8.24E-04	1.29E-02	1.54E-03	7.52E-03	2.14E-03
RF	RF104.01-S	54.38	5.23E-02	1.42E-04	--	--	3.41E-02	9.19E-17	3.54E+02	5.66E+01	--	9.29E-03	--	--	1.51E-04	2.99E-04	1.51E-09	7.41E-04	6.71E-03	1.92E-03	1.11E-02	1.40E-04
RF	RF107.01-S	63.44	8.39E-01	--	--	--	5.52E-01	5.40E-17	1.65E+02	2.60E+01	--	5.74E-03	--	--	2.43E-03	9.26E-04	6.91E-10	1.20E-02	2.12E-02	1.99E-03	5.11E-03	5.98E-02
RF	RF107.03-S	60.94	5.89E-03	--	--	--	3.85E-03	6.62E-18	2.00E+01	3.16E+00	--	7.01E-04	--	--	1.70E-05	3.63E-03	8.42E-11	8.36E-05	8.64E-02	9.23E-03	6.22E-04	6.86E-01
RF	RF107.04-S	110.31	2.33E-02	--	--	--	1.53E-02	2.36E-17	7.20E+01	1.13E+01	--	2.50E-03	--	--	6.74E-05	1.64E-04	3.02E-10	3.32E-04	3.79E-03	5.95E-04	2.23E-03	1.54E-02
RF	RF107.05-S	4.37	2.67E-03	--	--	--	1.71E-03	5.81E-18	1.77E+01	2.78E+00	--	6.16E-04	--	--	7.53E-06	4.49E-04	7.41E-11	3.70E-05	1.01E-02	4.12E-04	5.48E-04	2.81E-06
RF	RF107.06-S	14.35	3.09E-04	--	--	--	1.94E-04	8.65E-19	2.64E+00	4.16E-01	--	9.18E-05	--	--	8.57E-07	1.10E-04	1.11E-11	4.21E-06	2.62E-03	2.77E-04	8.19E-05	2.01E-02
RF	RF107.07-S	58.88	1.32E-01	1.06E-03	--	--	8.61E-02	2.10E-16	6.27E+02	9.92E+01	--	2.21E-02	--	--	3.80E-04	6.59E-03	2.64E-09	1.87E-03	1.48E-01	7.76E-03	1.95E-02	2.20E-03
RF	RF110.01-S	9.15	2.61E-02	1.07E-03	--	--	1.68E-02	3.54E-17	1.09E+02	1.72E+01	--	6.50E-03	--	--	7.42E-05	1.40E-04	4.58E-10	3.65E-04	3.14E-03	6.09E-04	3.39E-03	1.94E-04
RF	RF110.05-S	31.53	3.78E-02	--	--	--	2.41E-02	1.16E-16	3.99E+02	6.26E+01	--	1.02E-02	--	--	1.06E-04	5.54E-04	1.67E-09	5.23E-04	1.24E-02	2.29E-03	1.23E-02	1.67E-05
RF	RF113.01-S	0.42	3.82E-05	--	--	--	2.50E-05	1.04E-19	3.21E-01	5.05E-02	--	1.12E-05	--	--	1.10E-07	2.98E-07	1.35E-12	5.42E-07	6.69E-06	1.71E-06	9.95E-06	8.52E-12
RF	RF115.01-S	114.91	2.05E-01	--	--	--	1.32E-01	5.94E-16	2.19E+03	3.46E+02	--	4.89E-02	--	--	5.81E-04	1.74E-03	9.22E-09	2.86E-03	3.91E-02	1.17E-02	6.81E-02	6.25E-04
RF	RF116.01-S	3.95	8.16E-03	--	--	--	5.33E-03	1.45E-17	8.48E+01	1.33E+01	--	1.50E-03	--	--	2.35E-05	4.18E-05	3.55E-10	1.16E-04	9.38E-04	4.53E-04	2.63E-03	1.15E-09
RF	RF117.01-S	1.87	2.86E-03	--	--	--	1.84E-03	6.99E-18	2.11E+01	3.34E+00	--	7.23E-04	--	--	8.12E-06	8.41E-05	8.90E-11	3.99E-05	1.89E-03	1.60E-04	6.58E-04	4.16E-07
RF	RF118.01-S	1432.29	6.29E+00	7.82E-04	--	--	4.06E+00	2.37E-14	5.77E+04	1.05E+04	--	2.16E+00	--	--	1.79E-02	8.13E-02	2.81E-07	8.81E-02	1.82E+00	3.17E-01	2.08E+00	2.02E-04
RF	RF119.01-S	24.13	1.94E-02	--	--	--	1.25E-02	4.23E-17	1.27E+02	2.03E+01	--	4.42E-03	--	--	5.51E-05	1.40E-04	5.41E-10	2.71E-04	3.15E-03	6.96E-04	4.00E-03	2.13E-04
RF	RF121.01-S	45.97	1.09E-01	--	--	--	6.93E-02	3.65E-16	1.71E+03	2.77E+02	--	3.03E-02	--	--	3.06E-04	1.07E-03	7.38E-09	1.50E-03	2.40E-02	9.14E-03	5.46E-02	2.04E-07
RF	RF122.01-S	35.57	1.06E-01	--	--	--	1.24E-01	3.57E-16	1.19E+03	1.94E+02	--	3.45E-02	--	--	5.46E-04	1.03E-03	5.16E-09	2.69E-03	2.30E-02	6.34E-03	3.82E-02	2.63E-08
RF	RF122.03-S	4.37	1.13E-02	--	--	--	7.62E-03	4.01E-18	1.23E+01	1.93E+00	--	4.26E-04	--	--	3.36E-05	4.18E-04	5.15E-11	1.65E-04	9.63E-03	6.71E-04	3.81E-04	3.39E-02
RF	RF122.04-S	54.08	1.07E-01	--	--	--	7.20E-02	4.58E-17	1.39E+02	2.20E+01	--	4.86E-03	--	--	3.17E-04	1.65E-03	5.85E-10	1.56E-03	3.88E-02	4.24E-03	4.33E-03	2.34E-01
RF	RF122.05-S	16.22	1.25E-03	--	--	--	8.02E-04	1.57E-18	4.72E+00	7.46E-01	--	1.66E-04	--	--	3.54E-06	8.98E-04	1.98E-11	1.74E-05	2.04E-02	1.07E-03	1.47E-04	3.90E-02
RF	RF122.06-S	7.28	2.33E-02	--	--	--	1.52E-02	5.69E-17	2.19E+02	3.50E+01	--	6.31E-03	--	--	6.71E-05	1.77E-04	9.33E-10	3.30E-04	3.99E-03	1.18E-03	6.90E-03	2.81E-04
RF	RF123.01-S	9.38	2.67E-02	--	--	--	1.71E-02	5.76E-17	2.62E+02	4.13E+01	--	4.93E-03	--	--	7.54E-05	1.81E-04	1.10E-09	3.71E-04	4.05E-03	1.41E-03	8.14E-03	1.03E-07
RF	RF123.02-S	0.83	9.51E-06	--	--	--	5.98E-06	2.40E-20	7.19E-02	1.14E-02	--	2.53E-06	--	--	2.64E-08	1.10E-05	3.02E-13	1.30E-07	2.62E-04	2.73E-05	2.24E-06	2.10E-03
RF	RF123.03-S	12.06	1.06E-01	--	--	--	7.01E-02	5.88E-17	1.78E+02	2.81E+01	--	6.25E-03	--	--	3.10E-04	1.75E-04	7.49E-10	1.52E-03	3.94E-03	9.69E-04	5.54E-03	1.47E-03
RF	RF123.04-S	44.51	8.90E-02	--	--	--	5.69E-02	2.32E-16	6.98E+02	1.10E+02	--	2.47E-02	--	--	2.51E-04	6.96E-04	2.94E-09	1.23E-03	1.56E-02	3.75E-03	2.17E-02	2.61E-04
RF	RF124.01-S	94.24	2.65E-02	2.81E-06	--	--	1.82E-02	6.43E-17	2.14E+02	3.34E+01	--	6.53E-03	--	--	8.03E-05	4.94E-04	8.90E-10	3.95E-04	1.11E-02	1.27E-03	6.58E-03	1.42E-04
RF	RF124.02-S	13.31	7.04E-03	--	--	--	4.58E-03	1.82E-17	5.77E+01	8.96E+00	--	1.82E-03	--	--	2.02E-05	6.62E-05	2.39E-10	9.94E-05	1.48E-03	3.18E-04	1.77E-03	8.92E-08
RF	RF125.01-S	14.39	8.18E-02	--	--	--	5.65E-02	8.84E-17	3.34E+02	5.25E+01	--	7.59E-03	--	--	2.49E-04	6.35E-04	1.40E-09	1.23E-03	1.43E-02	2.07E-03	1.03E-02	6.28E-04
RF	RF126.01-S	1.04	2.33E-03	--	--	--	1.47E-03	8.61E-18	3.35E+01	5.10E+00	--	5.39E-04	--	--	6.51E-06	2.63E-05	1.36E-10	3.20E-05	5.90E-04	1.80E-04	1.00E-03	1.18E-08
RF	RF126.04-S	2.08	5.11E-03	--	--	--	3.25E-03	1.42E-17	6.12E+01	9.58E+00	--	1.26E-03	--	--	1.43E-05	4.63E-05	2.55E-10	7.04E-05	1.04E-03	3.30E-04	1.89E-03	3.24E-08
RF	RF128.01-S	198.22	5.00E-01	--	--	--	3.19E-01	2.14E-15	7.36E+03	1.21E+03	--	1.49E-01	--	--	1.41E-03	6.21E-03	3.23E-08	6.93E-03	1.39E-01	3.93E-02	2.39E-01	1.43E-07
RF	RF129.01-S	467.76	1.31E-01	6.40E-05	--	--	8.46E-02	2.58E-16	7.51E+02	1.22E+02	--	2.69E-02	2.33E-17	--	3.73E-04	2.44E-03	3.25E-09	1.84E-03	5.48E-02	5.38E-03	2.40E-02	6.21E-04
RF	RF129.05-S	448.33	1.52E-01	2.14E-04	--	--	1.06E-01	2.33E-16	6.50E+02	1.06E+02	--	2.45E-02	--	--	4.69E-04	9.16E-04	2.83E-09	2.31E-03	2.06E-02	3.65E-03	2.10E-02	6.32E-05
RF	RF130.01-S	38.59	1.16E-01	--	--	--	8.18E-02	1.42E-16	4.29E+02	6.78E+01	--	1.51E-02	3.29E-13	--	3.61E-04	2.18E-03	6.36E-09	1.78E-03	4.88E-02	3.87E-03	1.33E-02	2.29E-03
RF	RF134.02-S	11.34	1.19E-04	--	--	--	7.48E-05	2.62E-19	8.01E-01	1.26E-01	--	2.80E-05	--	--	3.30E-07	7.47E-07	3.36E-12	1.62E-06	1.68E-05	4.27E-06	2.49E-05	2.13E-11
RF	RF135.01-S	2.29	1.76E-03	--	--	--	1.17E-03	9.25E-19	2.87E+00	4.50E-01	--	9.93E-05	--	--	5.18E-06	1.77E-05	1.20E-11	2.55E-05	4.17E-04	5.25E-05	8.87E-05	2.89E-03
RF	RF135.02-S	10.40	7.91E-04	--	--	--	5.11E-04	1.75E-18	5.34E+00	8.41E-01	--	1.86E-04	--	--	2.25E-06	1.86E-04	2.24E-11	1.11E-05	4.17E-03	1.61E-04	1.66E-04	1.17E-06
RF	RF137.01-S	0.42	1.20E-04	--	--	--	7.94E-05	1.88E-19	5.90E-01	9.25E-02	--	2.03E-05	--	--	3.50E-07	5.37E-07	2.46E-12	1.72E-06	1.20E-05	3.15E-06	1.82E-05	1.55E-11
RF	RF139.01-S	11.65	1.17E-01	--	--	--	7.80E-02	9.40E-18	2.90E+01	4.55E+00	--	1.00E-03	--	--	3.44E-04	1.38E-04	1.21E-10	1.69E-03	3.19E-03	3.54E-04	8.96E-04	1.30E-02
RF	RF140.01-S	172.16	3.06E-02	8.48E-06	--	--	1.96E-02	7.68E-17	2.14E+02	3.52E+01	--	8.05E-03	--	--	8.66E-05	2.24E-04	9.39E-10	4.26E-04	5.04E-03	1.15E-03	6.94E-03	4.12E-08
RF	RF141.01-S	45.55	1.01E-01	--	--	--	6.40E-02	4.08E-16	1.57E+03	2.50E+02	--	2.78E-02	--	--	2.82E-04	1.29E-02	6.66E-09	1.39E-03	2.88E-01	1.70E-02	4.93E-02	7.58E-05
RF	RF141.02-S	175.97	6.82E-01	--	--	--	6.76E-01	1.59E-15	6.43E+03	1.04E+03	--	1.51E-01	--	--	2.99E-03	1.74E-02	2.77E-08	1.47E-02	3.90E-01	4.37E-02	2.05E-01	8.33E-05
RL	RL105-01	157.99	1.44E-03	--	--	--	8.92E-04	4.67E-18	2.53E+01	3.87E+00	--	3.91E-04	--	--	3.93E-06	3.45E-01	5.97E-04	1.94E-05	7.76E+00	8.11E-01	7.61E-04	8.72E-03
RL	RL105-03	69.06	1.16E-02	--	--	--	1.25E-02	1.69E-17	1.25E+01	4.66E+00	--	3.79E-03	--	--	5.50E-05	1.24E-03	1.24E-10	2.71E-04	2.80E-02	1.03E-03	9.17E-04	2.04E-02
RL	RL200-01	126.63	1.78E-03	--	--	--	1.12E-03	3.98E-17	1.63E+01	2.46E+00	--	2.48E-04	--	--	4.93E-06	1.11E-04	6.56E-11	2.42E-05	2.50E-03	8.74E-05	4.85E-04	9.97E-06
RL	RL201-01	14.14	4.05E-07	--	--	--	2.59E-07	9.18E-22	5.73E-03	8.70E-04	--	8.86E-08	--	--	1.15E-09	2.86E-09	2.33E-14	5.64E-09	6.40E-08	3.06E-08	1.72E-07	6.77E-14
RL	RL202S-01	1.46	1.85E-05	--	--	--	1.19E-05	2.36E-20	7.60E-02	1.24E-02	--	9.65E-07	--	--	5.26E-08	6.96E-08	3.30E-13	2.58E-07	1.56E-06	4.06E-07	2.44E-06	7.36E-13
RL	RL209E-01	52.79	1.21E-02	--	--	--	7.69E-03	3.49E-17	2.18E+02	3.31E+01	--	3.37E-03	--	--	3.41E-05	1.12E-04	8.88E-10	1.67E-04	2.51E-03	1.17E-03	6.54E-03	2.58E-09
RL	RL216Z-02	194.85	7.57E-02	--	--	--	4.76E-02	3.25E-16	6.47E+02	9.76E+01	--	9.52E-03	--	--	2.10E-04	9.18E-04	2.60E-09	1.03E-03	2.06E-02	3.45E-03	1.92E-02	7.26E-09
RL	RL221T-01	17.60	2.63E-06	--	--	--	1.71E-06	6.93E-21	4.85E-02	7.38E-03	--	7.53E-07	--	--	7.64E-09	3.01E-08	1.99E-13	3.74E-08	6.72E-07	2.66E-07	1.47E-06	1.12E-07
RL	RL222S-01	88.61	3.97E-04	--	--	--	2.46E-04	1.20E-18	6.14E+00	9.46E-01	--	9.95E-05	--	--	3.83E-01	5.51E-06	2.51E-11	1.01E+00	1.24E-04	3.78E-05	1.86E-04	5.44E-08
RL	RL231Z-01	1272.78	1.47E-01	--	--	--	9.43E-02	5.46E-16	1.32E+03	2.00E+02	--	2.03E-02	--	--	4.18E-04	2.42E-02	5.52E-05	2.05E-03	5.43E-01	8.48E-03	3.96E-02	5.64E-02

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL231Z-03	13.23	5.09E-03	--	--	--	3.32E-03	2.16E-17	4.36E-02	2.53E-02	--	3.85E-07	--	--	1.48E-05	7.49E-05	6.82E-13	7.24E-05	1.67E-03	2.34E-07	5.02E-06	2.95E-13
RL	RL233S-01	91.21	4.85E-03	--	--	--	3.03E-03	2.06E-17	6.13E+01	1.01E+01	--	5.98E-03	--	--	1.33E-05	5.81E-05	2.70E-10	6.56E-05	1.30E-03	3.27E-04	2.00E-03	4.56E-09
RL	RL2718-01	0.83	1.10E-04	--	--	--	7.23E-05	2.41E-21	4.56E-02	5.28E-03	--	7.82E-08	--	--	3.21E-07	7.62E-09	1.41E-13	1.57E-06	1.71E-07	2.44E-07	1.04E-06	5.98E-14
RL	RL300-01	72.87	1.02E-02	--	--	--	6.39E-03	6.06E-17	1.34E+02	2.04E+01	--	2.07E-03	--	--	1.40E+00	1.07E-02	3.32E-03	3.70E+00	2.40E-01	1.19E-02	4.01E-03	3.04E-02
RL	RL308-01	28.12	5.59E-02	--	--	--	3.50E-02	2.13E-16	7.55E+00	1.98E+00	--	1.83E-04	--	--	2.31E-02	1.17E-03	5.27E-11	6.14E-02	2.63E-02	2.16E-04	3.90E-04	4.51E-03
RL	RL324-01	135.33	2.53E-02	--	--	--	1.59E-02	6.19E-17	3.54E+02	5.35E+01	--	5.51E-03	--	--	7.00E-05	1.72E-04	1.42E-09	3.44E-04	3.87E-03	1.89E-03	1.05E-02	4.20E-09
RL	RL325-01	1400.37	9.13E-02	--	--	--	5.74E-02	5.38E-16	2.68E+02	6.09E+01	--	3.65E-02	--	--	2.53E-04	1.49E-03	1.62E-09	1.24E-03	3.34E-02	1.43E-03	1.20E-02	2.78E-08
RL	RL325-03	2.08	3.06E-04	--	--	--	1.94E-04	1.39E-18	4.68E-01	1.93E-01	--	1.64E-04	--	--	8.56E-07	3.88E-06	5.13E-12	4.21E-06	8.72E-05	6.40E-06	3.80E-05	2.69E-06
RL	RL325-05	5.20	3.67E-02	--	--	--	2.31E-02	8.53E-17	3.31E-01	2.27E-01	--	6.70E-04	--	--	1.02E-04	2.47E-04	6.04E-12	5.02E-04	5.55E-03	7.43E-06	4.47E-05	8.62E-08
RL	RL327-01	80.93	1.34E-02	--	--	--	8.45E-03	9.61E-17	6.11E+00	3.64E+00	--	8.89E-03	--	--	3.72E-05	2.67E-04	9.67E-11	1.83E-04	6.00E-03	3.26E-05	7.16E-04	6.77E-09
RL	RLARG-01	0.83	7.45E-03	--	--	--	4.80E-03	2.60E-17	1.47E+01	5.01E+00	--	3.63E-03	--	--	8.05E-02	2.14E-04	1.26E-04	2.12E-01	4.79E-03	3.77E-04	9.92E-04	3.23E-06
RL	RLBART-01	0.62	3.22E-04	--	--	--	2.14E-04	4.74E-24	3.13E-05	4.75E-06	--	4.85E-10	--	--	9.54E-07	1.61E-11	1.28E-16	4.67E-06	3.60E-10	1.68E-10	9.41E-10	3.72E-16
RL	RLBAT-01	19.14	4.33E-04	--	--	--	2.76E-04	4.18E-16	7.86E+00	1.19E+00	--	1.21E-04	--	--	1.22E-06	1.58E-03	3.19E-11	6.01E-06	3.54E-02	3.96E-04	2.35E-04	1.10E-03
RL	RLBET-01	0.42	2.76E-06	--	--	--	1.77E-06	7.77E-21	5.04E-02	7.62E-03	--	7.75E-07	--	--	7.86E-09	7.34E-06	2.05E-13	3.85E-08	1.64E-04	1.73E-05	1.51E-06	1.83E-07
RL	RLBW-01	306.60	1.63E-01	--	--	--	1.03E-01	1.72E-16	9.31E+02	1.41E+02	--	1.44E-02	--	--	4.55E-04	4.27E-03	3.76E-09	2.24E-03	9.61E-02	5.15E-03	2.78E-02	1.02E-02
RL	RLCBWD.001-S	14.36	7.64E-03	--	--	--	4.96E-03	2.26E-17	2.05E+01	6.57E+00	--	1.68E-03	--	--	1.81E-03	8.97E-05	1.75E-10	4.81E-03	2.02E-03	1.29E-04	1.29E-03	2.45E-04
RL	RLCFF-01	24.34	6.06E-02	--	--	--	3.80E-02	2.65E-16	4.99E+02	7.54E+01	--	7.56E-03	--	--	1.67E-04	7.69E-04	2.00E-09	8.24E-04	1.73E-02	2.70E-03	1.48E-02	8.09E-04
RL	RLCFF-03	5.82	5.44E-05	--	--	--	3.53E-05	1.19E-19	8.06E-01	1.22E-01	--	1.24E-05	--	--	1.57E-07	3.86E-07	3.28E-12	7.68E-07	8.63E-06	4.32E-06	2.42E-05	9.52E-12
RL	RLCFFD.001-S	261.33	1.94E-01	--	--	--	1.23E-01	5.40E-16	5.02E+02	1.72E+02	--	4.42E-02	--	--	5.44E-04	1.69E-03	1.31E-06	2.68E-03	3.79E-02	2.81E-03	3.39E-02	2.91E-03
RL	RLESG-01	58.24	2.85E-03	--	--	--	1.80E-03	1.06E-17	3.35E+01	5.12E+00	--	5.33E-04	--	--	7.95E-06	6.48E-04	1.36E-10	3.91E-05	1.45E-02	1.61E-03	1.01E-03	2.94E-05
RL	RLEXX-01	50.96	2.36E-01	--	--	--	1.51E-01	6.54E-16	4.31E+03	6.53E+02	--	6.67E-02	--	--	6.73E-04	2.15E-02	1.76E-08	3.30E-03	4.84E-01	4.25E-02	1.29E-01	4.23E-01
RL	RLGEV-01	280.23	2.22E-03	--	--	--	1.43E-03	6.22E-18	4.05E+01	6.14E+00	--	6.25E-04	--	--	6.34E-06	1.21E-03	1.65E-10	3.11E-05	2.71E-02	1.85E-03	1.21E-03	1.88E-02
RL	RLHMOX.001-S	193.65	3.49E+00	2.68E-04	--	--	2.62E+00	9.60E-15	6.70E+03	2.31E+03	--	1.94E+00	--	--	1.16E-02	6.04E-02	6.14E-08	5.69E-02	1.36E+00	8.41E-02	4.54E-01	5.93E-01
RL	RLIAEA-01	0.42	5.46E-06	--	--	--	3.52E-06	1.22E-20	7.98E-02	1.21E-02	--	1.23E-06	--	--	1.56E-08	4.00E-08	3.25E-13	7.67E-08	8.95E-07	4.27E-07	2.39E-06	9.43E-13
RL	RLM308D.001-S	62.23	7.21E-01	6.74E-04	--	--	4.78E-01	3.16E-15	7.98E+02	3.47E+02	--	5.70E-01	--	--	2.56E-03	1.07E-02	8.88E-05	1.16E-02	2.41E-01	5.69E-03	6.83E-02	2.27E-02
RL	RLMHASH.001-S	61.78	2.73E-01	--	--	--	1.75E-01	4.37E-16	2.10E+03	3.53E+02	--	8.06E-02	--	--	1.42E-03	1.27E-03	9.40E-09	5.50E-03	2.84E-02	1.12E-02	6.95E-02	6.15E-08
RL	RLMLB-01	0.42	1.15E-05	--	--	--	7.36E-06	3.18E-20	2.09E-01	3.17E-02	--	3.24E-06	--	--	3.27E-08	1.08E-07	8.51E-13	1.60E-07	2.40E-06	1.12E-06	6.27E-06	2.48E-12
RL	RLMLL-01	0.42	2.64E-05	--	--	--	1.72E-05	6.93E-20	4.89E-01	7.40E-02	--	7.54E-06	--	--	7.67E-08	1.84E-04	2.00E-12	3.75E-07	4.10E-03	1.00E-05	1.47E-05	4.62E-04
RL	RLMPDT.001-S	1239.55	1.08E+00	5.58E-04	--	--	7.01E-01	4.50E-15	4.25E+03	9.41E+02	5.64E-07	3.30E-01	--	--	1.51E-02	1.35E-02	5.35E-07	4.68E-02	3.04E-01	2.33E-02	1.85E-01	4.35E-03
RL	RLMPURX.001-S	106.38	2.06E-01	7.21E-05	--	--	1.30E-01	8.47E-16	6.36E+02	1.75E+02	--	7.73E-02	--	--	3.70E-03	2.44E-03	4.66E-09	1.11E-02	5.47E-02	3.41E-03	3.45E-02	2.62E-04
RL	RLMSSC.001-S	64.69	3.27E-01	--	--	--	2.07E-01	1.21E-15	2.41E+03	3.64E+02	--	7.18E-02	--	--	9.15E-04	3.49E-03	9.69E-09	4.50E-03	7.82E-02	1.29E-02	7.17E-02	3.93E-04
RL	RLNPDT.002-S	445.26	2.69E-01	2.17E-03	--	--	1.73E-01	1.14E-15	1.74E+03	2.82E+02	--	8.31E-02	--	--	7.63E-04	3.49E-03	6.96E-08	3.75E-03	7.83E-02	9.45E-03	5.55E-02	4.35E-04
RL	RLNPURX.001-S	39.11	1.31E-01	2.58E-05	--	--	8.23E-02	5.67E-16	3.56E+02	9.40E+01	--	4.97E-02	--	--	3.64E-04	1.63E-03	2.51E-09	1.79E-03	3.66E-02	1.90E-03	1.85E-02	3.79E-08
RL	RLPFP-01	7457.30	1.07E+00	--	--	--	6.60E-01	6.48E-13	1.71E+04	2.60E+03	--	3.06E-01	--	--	1.83E-01	1.83E+00	7.24E-05	4.88E-01	4.12E+01	1.13E-01	5.13E-01	4.08E-01
RL	RLPFP-03	6.86	1.81E-02	--	--	--	1.15E-02	3.45E-17	1.57E+02	2.48E+01	--	4.19E-03	--	--	5.06E-05	9.83E-05	6.60E-10	2.49E-04	2.21E-03	8.45E-04	4.88E-03	5.65E-08
RL	RLPFP-04	17.68	1.46E-05	--	--	--	9.19E-06	3.57E-20	2.04E-01	3.10E-02	--	3.16E-06	--	--	4.05E-08	9.93E-08	8.26E-13	1.99E-07	2.23E-06	1.09E-06	6.11E-06	2.41E-12
RL	RLPFP-05	18.72	5.73E-02	--	--	--	3.60E-02	1.98E-16	3.27E+01	1.11E+01	--	1.20E-02	--	--	1.59E-04	5.50E-04	2.95E-10	7.82E-04	1.24E-02	1.74E-04	2.18E-03	9.11E-09
RL	RLPRC-01	4.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RL	RLPURX-01	476.91	6.50E-02	--	--	--	4.06E-02	2.36E-16	4.01E+02	7.59E+01	--	2.37E-02	--	--	1.79E-04	6.50E-04	2.02E-09	8.80E-04	1.46E-02	2.14E-03	1.49E-02	1.81E-08
RL	RLPURX-05	780.11	9.11E-02	--	--	--	5.88E-02	1.45E-16	7.60E+02	1.16E+02	--	1.18E-02	--	--	2.61E-04	4.81E-04	3.11E-09	1.28E-03	1.08E-02	4.07E-03	2.29E-02	1.13E-06
RL	RLRFETS.001-S	63.44	2.28E-01	--	--	--	1.45E-01	4.55E-16	3.28E+03	3.69E+02	--	6.44E-02	--	--	3.43E-03	1.54E-03	9.84E-09	1.05E-02	3.45E-02	1.77E-02	7.27E-02	4.91E-08
RL	RLSWO-01	57.78	1.28E-02	--	--	--	8.06E-03	6.02E-17	6.81E+01	1.25E+01	--	4.11E-03	--	--	3.55E-05	1.66E-04	3.32E-10	1.75E-04	3.73E-03	3.64E-04	2.46E-03	3.13E-09
RL	RLVIPAC.001-S	28.35	2.37E-02	--	--	--	1.56E-02	1.61E-16	1.54E+02	3.12E+01	--	1.57E-02	--	--	6.89E-05	4.68E-03	8.29E-10	3.39E-04	1.05E-01	3.34E-03	6.13E-03	4.82E-02
RL	RLWAR-01	447.00	5.95E-03	--	--	--	3.67E-03	1.93E-17	1.04E+02	1.58E+01	--	1.61E-03	--	--	1.62E-05	2.53E-03	6.12E-05	7.97E-05	5.68E-02	3.89E-03	3.11E-03	7.82E-03
SA	SA-T001	6.37	3.35E-04	--	--	--	2.37E-04	1.28E-18	3.09E+00	1.24E-02	--	--	--	--	1.05E-06	3.93E-06	4.65E-03	5.15E-06	8.81E-05	1.65E-05	2.45E-06	--
SA	SA-W134	16.02	2.32E-03	7.63E-03	--	--	1.26E-01	9.03E-12	1.20E+00	2.57E-01	--	2.98E-06	--	--	1.34E-03	7.35E-03	6.87E-12	4.78E-03	1.65E-01	1.09E-02	5.08E-05	7.96E-03
SA	SA-W134M	2.08	3.02E-04	9.90E-04	--	--	1.63E-02	1.17E-12	1.56E-01	3.34E-02	--	3.87E-07	--	--	1.73E-04	9.54E-04	8.93E-13	6.21E-04	2.14E-02	1.41E-03	6.59E-06	1.03E-03
SA	SA-W136	34.45	4.24E-04	--	--	--	2.63E-04	6.60E-18	1.70E+01	2.65E+00	--	5.19E-04	--	--	1.16E-06	1.84E-05	7.04E-11	5.70E-06	4.12E-04	9.08E-05	5.21E-04	3.95E-10
SR	SR2001.001.00-S	61.15	5.43E-04	--	--	--	3.42E-04	6.13E-18	8.35E+00	1.13E+00	--	1.92E-04	--	--	1.51E-06	1.78E-05	3.00E-11	7.42E-06	3.98E-04	4.46E-05	2.22E-04	1.46E-10
SR	SR2002.002.00-S	69.89	1.79E-03	--	--	--	1.13E-03	2.66E-18	9.82E+00	1.54E+00	--	3.54E-04	--	--	3.29E-02	7.65E-06	4.10E-11	8.67E-02	1.72E-04	5.24E-05	3.03E-04	2.70E-10
SR	SR-BCLCH-MT01	11.34	1.29E-02	--	--	--	8.08E-03	2.13E-14	5.39E+01	9.58E+00	--	2.63E-03	--	--	3.57E-05	6.08E-02	2.55E-10	1.75E-04	1.37E+00	2.88E-04	1.89E-03	2.00E-09
SR	SR-T001-221H-HEPA	62.37	1.10E-04	--	--	--	3.61E-04	1.81E-15	2.22E-01	8.83E-02	--	1.55E-04	--	--	1.60E-06	5.93E-03	2.37E-12	7.85E-06	1.33E-01	1.19E-06	1.74E-05	1.18E-10
SR	SR-W026-221F-HEPA	378.00	9.93E-02	--	--	--	6.30E-02	1.50E-14	7.48E+02	1.18E+02	--	7.29E-02	--	--	2.79E-04	4.74E-02	3.18E-09	1.37E-03	1.06E+00	4.00E-03	2.34E-02	7.40E-08
SR	SR-W026-221F-HET	1089.92	9.35E-02	4.92E-04	--	--	6.11E-02	3.29E-12	5.47E+02	8.95E+01	2.18E-04	2.48E-01	--	--	3.46E-02	5.81E-03	2.45E-09	9.20E-02	1.30E-01	4.23E-03	1.79E-02	7.19E-03
SR	SR-W026-221F-HET-S	552.35	1.22E-01	3.29E-05	--	--	8.18E-02	1.72E-15	8.88E+02	1.67E+02	5.36E-06	3.52E-02	--	--	3.61E-04	9.51E-03	3.49E-05	1.77E-03	2.14E-01	6.17E-03	3.29E-02	9.01E-03
SR	SR-W026-221F-HOM	16.66	3.05E-04	--	--	--	1.95E-04	6.22E-18	3.76E+00	4.88E-01	--	9.82E-05	--	--	8.65E-07	1.99E-05	1.31E-11	4.25E-06	4.46E-04	2.01E-05	9.65E-05	2.18E-09
SR	SR-W026-772F-HET	834.88	1.34E-01	--	--	--	6.77E-01	1.77E-13	4.12E+02	6.86E+01	--	9.10E-02	--	--	4.97E-03	6.55E-01	3.11E-09	1.99E-02	1.47E+01	4.87E-03	1.87E-02	9.18E-03
SR	SR-W026-772F-HET-S	1306.27	4.27E-02	4.05E-04	--	--	9.67E-02	1.55E-14	2.27E+02	4.39E+01	1.01E-05	1.22E-02	--	--	2.56E-02	6.37E-02	3.95E-04	6.83E-02	1.43E+00	2.22E-03	8.65E-03	7.82E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W027-221F-HET	1490.34	1.46E+00	--	--	--	9.17E-01	2.31E-14	6.19E+03	9.62E+02	--	9.16E-01	--	--	4.05E-03	6.59E-02	2.56E-08	1.99E-02	1.48E+00	3.30E-02	1.89E-01	1.55E-05
SR	SR-W027-221F-HETA-S	2080.85	2.83E-01	2.77E-06	--	--	1.87E-01	1.13E-15	1.46E+03	3.27E+02	8.51E-05	9.19E-02	--	--	7.26E-03	1.41E-02	9.95E-05	2.10E-02	3.17E-01	7.93E-03	6.43E-02	2.17E-03
SR	SR-W027-221H-HEPA	137.97	6.69E-03	--	--	--	5.56E-02	8.56E-14	1.39E+01	4.14E+00	--	6.96E-03	--	--	2.45E-04	2.38E-01	3.63E-10	1.21E-03	5.35E+00	1.56E-04	1.83E-03	3.26E-06
SR	SR-W027-221H-HET-A	5568.93	2.00E-01	3.82E-04	--	--	1.62E+01	3.11E-12	1.16E+03	3.04E+02	--	2.98E-01	--	--	7.58E-02	8.89E+00	3.58E-08	3.63E-01	2.00E+02	5.52E-02	1.71E-01	1.17E-02
SR	SR-W027-221H-HET-S	2521.93	7.92E-02	1.28E-02	--	--	2.57E-01	2.15E-13	1.13E+02	3.01E+01	4.33E-05	2.43E-02	--	--	3.47E-02	9.07E-01	2.73E-03	9.41E-02	2.04E+01	2.16E-03	5.92E-03	2.49E-03
SR	SR-W027-235F-HET	733.92	3.37E-01	--	--	--	5.34E+00	1.32E-12	2.22E+02	7.32E+01	--	2.91E-01	--	--	2.35E-02	3.71E+00	5.78E-09	1.16E-01	8.34E+01	2.51E-03	2.98E-02	1.39E-03
SR	SR-W027-235F-HET-S	301.51	8.63E-03	6.97E-06	--	--	4.13E-02	1.22E-14	8.35E+00	3.83E+00	8.89E-06	3.33E-03	--	--	1.82E-04	5.24E-02	2.51E-04	8.95E-04	1.18E+00	7.97E-04	7.55E-04	9.01E-05
SR	SR-W027-235F-HOMO	5.83	4.75E-04	--	--	--	3.05E-04	6.73E-15	8.11E-01	2.99E-01	--	5.97E-04	--	--	1.35E-06	2.11E-02	8.00E-12	6.62E-06	4.73E-01	4.34E-06	5.91E-05	4.56E-10
SR	SR-W027-773A-HET	2495.78	2.64E-01	2.18E+01	--	--	2.06E-02	1.78E-10	2.84E+02	5.69E+01	2.31E-01	1.02E+00	2.23E-08	--	1.77E-02	3.05E-01	8.24E-04	4.68E-02	6.86E+00	2.91E-03	1.94E-02	3.00E-03
SR	SR-W027-773A-HET-S	358.24	1.61E-02	1.55E-01	--	--	4.39E-02	1.60E-13	7.82E+01	1.30E+01	5.52E-04	2.35E-03	--	--	1.94E-04	4.38E-02	1.31E-04	9.53E-04	9.83E-01	5.86E-04	2.55E-03	1.50E-03
SR	SR-W027-999-AGNS-HET	56.84	1.42E-03	--	--	--	6.22E-03	1.91E-17	5.63E+00	1.15E+00	--	2.37E-04	--	--	2.77E-05	8.44E-05	5.03E-11	1.36E-04	1.89E-03	4.71E-05	3.05E-04	2.47E-07
SR	SR-W027-999-AGNS-HOM	5.83	5.08E-03	--	--	--	6.37E-03	1.65E-17	5.26E+00	8.36E-01	--	2.44E-04	--	--	2.83E-05	7.40E-05	2.25E-11	1.39E-04	1.66E-03	4.76E-05	1.66E-04	4.14E-04
SR	SR-W027-999-LASL-HET	44.30	6.26E-02	--	--	--	4.15E-02	3.26E-13	4.60E+01	1.97E+01	--	3.82E-02	--	--	1.85E-04	1.20E+00	5.32E-10	9.05E-04	2.67E+01	2.47E-04	3.91E-03	2.93E-08
SR	SR-W027-999-LASL-HOM	5.82	6.30E-03	--	--	--	4.18E-03	7.32E-14	1.01E+01	3.75E+00	--	7.50E-03	--	--	1.86E-05	2.68E-01	1.01E-10	9.12E-05	5.98E+00	5.41E-05	7.44E-04	5.76E-09
SR	SR-W027-999-MD-HET	1675.12	1.44E-01	--	--	--	9.51E-02	2.27E-12	3.39E+02	1.23E+02	--	2.36E-01	6.54E-13	--	1.51E-02	8.32E+00	3.32E-09	4.07E-02	1.86E+02	2.03E-03	2.44E-02	4.59E-03
SR	SR-W027-999-MD-HOM-A	2.29	1.10E-05	--	--	--	3.46E-05	1.22E-12	1.82E-02	9.86E-04	--	4.37E-07	--	--	1.54E-07	6.28E-04	2.66E-14	7.56E-07	1.40E-02	4.22E-07	1.95E-07	3.35E-13
SR	SR-W027-999-MD-HOM-B	22.64	1.08E-04	--	--	--	3.43E-04	1.20E-11	1.80E-01	9.76E-03	--	4.33E-06	--	--	1.53E-06	6.21E-03	2.63E-13	7.48E-06	1.39E-01	4.18E-06	1.93E-06	3.32E-12
SR	SR-W027-999-MD-HOM-C	1.04	4.98E-06	--	--	--	1.57E-05	5.52E-13	8.28E-03	4.48E-04	--	1.99E-07	--	--	7.02E-08	2.85E-04	1.21E-14	3.44E-07	6.37E-03	1.92E-07	8.88E-08	1.52E-13
SR	SR-W027-999-MD-SOIL	90.53	1.29E-05	--	--	--	1.32E-04	2.27E-13	4.66E-01	--	--	8.17E-08	--	--	5.88E-07	3.14E-04	--	2.88E-06	7.02E-03	2.50E-06	--	6.25E-14
SR	SR-W027-FB-PRE86-C-S	2385.10	2.35E-01	7.04E-05	--	--	1.56E-01	9.07E-16	2.88E+03	2.62E+02	5.18E-05	2.18E-01	--	--	2.01E-03	7.51E-03	6.22E-05	6.86E-03	1.69E-01	1.55E-02	5.16E-02	2.77E-04
SR	SR-W027-HBL-Box-A	339.60	1.42E-03	--	--	--	1.02E-01	2.02E-14	2.45E+00	9.04E-01	--	1.81E-03	--	--	4.53E-04	6.40E-02	2.42E-11	2.23E-03	1.43E+00	1.31E-05	1.79E-04	1.38E-09
SR	SR-W027-SRSG-HET	1889.08	3.18E-01	5.32E-02	--	--	1.28E+00	1.32E-13	1.50E+03	2.29E+02	6.10E-03	4.65E+00	--	--	1.70E+00	5.21E-01	1.40E-08	4.48E+00	1.16E+01	1.65E-02	7.67E-02	4.97E-01
SR	SR-W027-SRSG-HOM	22.28	3.99E-03	7.74E-04	--	--	2.54E-02	8.49E-15	8.88E+01	8.14E+00	--	1.04E-02	--	--	1.13E-04	3.04E-02	2.66E-10	5.53E-04	6.78E-01	5.01E-04	1.80E-03	5.35E-04
Grand Total		**168485.00**	**1.81E+02**	**5.78E+01**	--	--	**1.41E+02**	**1.74E-09**	**4.66E+05**	**7.70E+04**	**1.38E+01**	**5.65E+01**	**3.25E-04**	--	**2.90E+02**	**4.38E+01**	**1.45E+00**	**7.65E+02**	**9.79E+02**	**1.11E+01**	**1.70E+01**	**5.80E+01**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	220.78	6.43E-03	3.65E-05	--	--	7.19E-03	9.32E-17	2.81E+01	4.16E+00	--	--	--	--	1.59E-04	3.33E-04	1.12E-10	4.89E-04	7.44E-03	4.38E-04	8.25E-04	1.13E-04
AW (MFC)	AW-T031.1322	94.27	1.41E-03	6.70E-04	--	--	4.36E-03	2.22E-12	7.18E-03	2.30E+01	--	1.08E-03	--	--	1.96E-05	6.07E-04	6.91E-10	9.55E-05	1.36E-02	8.17E-03	4.85E-03	3.45E-05
AW (MFC)	AW-W020.13	65.09	3.41E-02	--	--	--	2.20E-02	--	3.16E+01	6.71E+00	--	--	--	--	2.71E-01	6.03E-04	1.80E-10	7.13E-01	1.35E-02	9.41E-03	1.33E-03	1.49E-03
AW (MFC)	AW-W026	0.89	4.95E-05	--	--	--	3.23E-05	--	2.43E-02	--	--	--	--	--	1.43E-07	1.25E-10	--	7.03E-07	5.58E-09	3.02E-06	--	3.93E-07
AW (MFC)	AW-W028	36.80	--	--	--	--	--	--	1.11E+00	3.97E-02	--	--	--	--	--	1.13E-08	1.06E-12	--	5.07E-07	7.22E-05	7.84E-06	3.57E-05
AW (MFC)	AW-W046	24.23	--	--	--	--	--	--	2.52E+00	--	--	--	--	--	--	--	--	--	--	6.94E-03	--	--
AW (MFC)	AW-W047	12.56	--	--	--	--	--	--	8.87E-03	--	--	--	--	--	--	--	--	--	--	4.73E-08	--	--
BT	BT-T001	2.67	1.29E-03	1.22E-02	--	--	2.77E-02	1.12E-12	3.28E-01	2.48E-01	4.40E-07	2.96E-03	--	--	3.07E+00	5.48E-02	2.27E-03	8.04E+00	1.21E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	4.29E-04	4.05E-03	--	--	9.25E-03	3.74E-13	1.09E-01	8.28E-02	1.47E-07	9.88E-04	--	--	1.02E+00	1.83E-02	7.56E-04	2.68E+00	4.04E-01	2.22E-03	2.52E-02	1.54E-05
IN	IN-AE-AGHC-01	183.34	3.38E-02	--	--	--	2.14E-02	2.22E-16	1.23E+02	4.39E+01	--	2.33E-02	--	--	9.43E-02	2.08E-02	1.17E-09	2.49E-01	4.67E-01	1.69E-02	8.64E-03	2.72E-03
IN	IN-AW-161	1.78	--	--	--	--	--	--	4.26E+00	6.16E-02	--	--	--	--	--	--	1.65E-12	--	--	2.57E-05	1.22E-05	--
IN	IN-INTEC-SFS-01	0.89	6.38E-04	--	--	--	4.13E-04	9.59E-18	2.09E-01	1.64E-01	--	9.97E-04	--	--	1.84E-06	3.34E-05	4.42E-12	9.00E-06	7.47E-04	9.72E-06	3.25E-05	7.64E-10
IN	IN-NRF-153	8.01	4.67E-06	--	--	--	3.01E-06	1.32E-18	2.80E-03	2.05E-03	--	1.15E-05	--	--	1.34E-08	4.56E-06	5.53E-14	6.57E-08	1.02E-04	4.74E-05	4.07E-07	8.82E-12
IN	IN-TRA-150	3.56	1.19E-02	--	--	--	7.83E-03	2.24E-16	--	--	--	--	--	--	3.47E-05	7.10E-04	--	1.70E-04	1.59E-02	--	--	--
IN	IN-TRA-157	4.45	4.93E-05	--	--	--	3.21E-05	8.19E-19	3.61E-03	3.21E-05	--	--	--	--	7.72E-04	3.01E-05	8.59E-16	2.03E-03	6.75E-04	1.93E-08	6.34E-09	--
IN	IN-W208.243	0.89	6.32E-03	--	--	--	4.10E-03	7.40E-18	3.68E+01	5.63E+00	--	6.88E-04	--	--	1.82E-05	2.38E-05	1.51E-10	8.93E-05	5.33E-04	2.31E-04	1.11E-03	5.26E-10
IN	IN-W216.876	15.13	2.43E-01	--	--	--	1.60E-01	6.06E-18	3.01E+01	4.64E+00	--	5.64E-04	--	--	7.09E-04	1.95E-05	1.24E-10	3.48E-03	4.36E-04	1.61E-04	9.17E-04	4.31E-10
IN	IN-W216.877	43.61	3.49E-01	--	--	--	2.30E-01	8.73E-18	4.34E+01	6.67E+00	--	8.13E-04	--	--	1.02E-03	2.81E-05	1.79E-10	5.01E-03	6.29E-04	2.32E-04	1.32E-03	6.21E-10
IN	IN-W228.884	8.90	2.12E-03	--	--	--	1.39E-03	2.83E-19	1.41E+00	2.16E-01	--	2.63E-05	--	--	6.19E-06	9.10E-07	5.80E-12	3.04E-05	2.04E-05	7.54E-06	4.28E-05	2.01E-11
IN	IN-W228.885	0.89	3.53E-05	--	--	--	2.32E-05	4.73E-21	2.35E-02	3.61E-03	--	4.38E-07	--	--	1.03E-07	1.52E-08	9.68E-14	5.05E-07	3.40E-07	1.26E-07	7.14E-07	3.35E-13
IN	IN-W228.886	21.36	2.55E-03	--	--	--	1.67E-03	3.39E-19	1.69E+00	2.59E-01	--	3.15E-05	--	--	7.43E-06	1.09E-06	6.95E-12	3.64E-05	2.44E-05	9.05E-06	5.12E-05	2.41E-11
IN	IN-W243.276	3.56	6.52E-04	--	--	--	4.18E-04	1.32E-18	6.59E+00	1.01E+00	--	1.23E-04	--	--	1.86E-06	4.25E-06	2.71E-11	9.10E-06	9.51E-05	3.75E-05	2.00E-04	1.52E-07
IN	IN-W243.277	1.78	1.30E-03	--	--	--	8.37E-04	2.64E-18	1.31E+01	2.02E+00	--	2.45E-04	--	--	3.71E-06	8.51E-06	5.43E-11	1.82E-05	1.90E-04	7.48E-05	4.00E-04	3.03E-07
IN	IN-W252.282	17.80	9.64E-03	--	--	--	6.16E-03	2.24E-17	1.12E+02	1.71E+01	--	2.08E-03	--	--	2.73E-05	7.21E-05	4.59E-10	1.34E-04	1.61E-03	5.98E-04	3.38E-03	1.59E-09
IN	IN-W254.1045	1.78	4.93E-04	--	--	--	3.14E-04	1.34E-18	6.67E+00	1.02E+00	--	1.25E-04	--	--	1.39E-06	4.31E-06	2.75E-11	6.83E-06	9.65E-05	3.57E-05	2.03E-04	9.54E-11
IN	IN-W294.343	8.90	1.99E-03	--	--	--	1.27E-03	4.86E-18	2.42E+01	3.72E+00	--	4.53E-04	--	--	5.65E-06	1.56E-05	9.99E-11	2.77E-05	3.50E-04	1.48E-04	7.36E-04	3.47E-10
IN	IN-W296.330	12.46	6.77E-04	--	--	--	4.71E-04	1.57E-18	7.85E+00	1.20E+00	--	1.47E-04	--	--	2.09E-06	5.07E-06	3.23E-11	1.03E-05	1.13E-04	4.34E-05	2.38E-04	1.12E-10
IN	IN-W296.331	12.46	2.26E-03	--	--	--	1.57E-03	5.26E-18	2.62E+01	4.02E+00	--	4.90E-04	--	--	6.99E-06	1.69E-05	1.08E-10	3.43E-05	3.79E-04	1.45E-04	7.95E-04	3.75E-10
IN	IN-W298.318	8.01	9.11E-03	--	--	--	5.87E-03	1.67E-17	8.31E+01	1.28E+01	--	1.56E-03	--	--	2.60E-05	5.39E-05	3.44E-10	1.28E-04	1.21E-03	4.45E-04	2.53E-03	1.20E-09
IN	IN-W358.949	10.68	--	--	--	--	--	2.59E-14	1.96E+01	2.55E+01	--	--	--	--	--	7.87E-02	6.81E-10	--	1.76E+00	1.05E-04	5.03E-03	--
IN	IN-W372.918	4.45	4.88E-05	--	--	--	3.18E-05	7.22E-19	3.16E-03	--	--	--	--	--	1.41E-07	2.19E-06	--	6.91E-07	4.92E-05	1.69E-08	--	--
KA	KA-T001	502.99	6.79E-05	1.75E-04	--	--	4.56E-03	8.28E-17	3.48E-02	5.91E-03	1.71E-06	3.80E-05	9.10E-12	--	2.09E-05	1.37E-03	1.12E-09	1.01E-04	3.06E-02	3.83E-04	3.63E-03	1.68E-06
KA	KA-W016	52.53	7.10E-06	1.82E-05	--	--	4.76E-04	8.65E-18	3.63E-03	6.18E-04	1.79E-07	3.97E-06	9.51E-13	--	2.18E-06	1.43E-04	1.17E-10	1.06E-05	3.19E-03	4.00E-05	3.79E-04	1.75E-07
LA	LA-TA-00-03	1.78	--	--	--	--	--	--	1.07E+01	--	--	--	--	--	--	--	--	--	--	5.76E-05	--	--
LA	LA-TA-03-27	96.12	9.60E-04	--	--	--	6.19E-04	7.26E-18	2.02E+02	1.48E+00	--	1.51E-03	--	--	2.76E-06	1.02E-04	4.20E-11	1.35E-05	2.28E-03	1.04E-02	3.02E-04	4.09E-05
OR	OR-W211	294.45	1.26E-02	7.03E-02	--	--	7.99E-03	5.67E-18	3.83E+00	1.98E+00	5.16E-04	1.62E-02	1.33E-07	--	5.85E-01	3.08E-05	1.51E-05	1.54E+00	6.89E-04	1.85E-04	4.02E-04	1.04E-04
OR	OR-W212	146.78	1.39E-02	--	--	--	9.19E-03	3.01E-16	4.98E-01	4.96E-01	--	--	7.45E-09	--	1.59E-04	9.91E-04	1.06E-03	5.10E-04	2.22E-02	4.96E-04	9.81E-05	--
OR	OR-W213	1020.04	1.19E-02	6.73E-03	--	--	4.37E-02	3.72E-17	1.49E+01	1.26E-02	--	9.41E-03	--	--	2.82E+01	1.23E-01	4.09E-01	3.24E+01	1.86E+00	2.81E-02	2.98E-02	3.56E-01
OR	OR-W214	2.67	9.79E-07	--	--	--	1.19E-04	2.81E-21	4.81E-03	6.80E-07	--	--	--	--	3.18E-05	4.28E-08	1.83E-17	8.47E-05	1.70E-06	2.59E-08	1.35E-10	1.05E-04
OR	OR-W215	1824.83	8.52E-01	--	--	--	6.95E-01	1.43E-14	1.54E+03	1.27E+02	--	7.85E-01	2.48E-09	--	3.18E+02	2.48E+00	7.06E+00	8.35E+02	5.62E+01	2.73E+00	1.21E-01	1.08E+02
RL	RL105-07	72.98	8.27E-03	1.12E-04	--	--	9.05E-03	1.58E-13	1.00E+01	3.76E+00	--	2.61E-03	--	--	4.00E-05	1.18E-03	2.38E-04	1.97E-04	2.67E-02	1.03E-03	4.41E-03	2.11E-02
RL	RL105-09	518.87	2.01E+00	--	--	--	1.26E+00	2.61E-15	3.19E+00	3.85E+00	--	--	--	--	5.58E-03	7.56E-03	1.03E-10	2.74E-02	1.70E-01	1.70E-05	7.59E-04	--
RL	RL324-07	67.64	4.11E-02	--	--	--	2.63E-02	3.24E-17	6.91E+00	1.31E+00	--	6.98E-02	--	--	1.16E-04	9.38E-05	3.48E-11	5.71E-04	2.11E-03	3.69E-05	2.58E-04	5.32E-08
RL	RL324-08	67.64	1.60E-01	--	--	--	1.03E-01	1.62E-16	4.92E+00	3.27E+00	--	8.88E-03	--	--	4.55E-04	4.70E-04	8.73E-11	2.24E-03	1.05E-02	2.63E-05	6.45E-04	6.78E-09
RL	RL325-07	143.29	5.04E+00	--	--	--	3.28E+00	4.52E-15	4.70E+01	4.11E+01	--	3.46E-02	--	--	1.46E-02	1.54E-02	1.11E-09	7.15E-02	3.44E-01	1.20E-03	8.14E-03	2.65E-08
RL	RL325-08	13.35	8.54E-03	--	--	--	5.33E-03	2.85E-17	2.77E+01	9.37E+00	--	--	--	--	2.35E-05	8.25E-05	2.50E-10	1.16E-04	1.85E-03	1.48E-04	1.85E-03	--
RL	RL327-07	16.91	1.14E-01	--	--	--	7.37E-02	5.02E-16	1.39E+02	6.40E+01	--	9.55E-02	--	--	3.28E-04	1.92E-03	1.80E-09	1.61E-03	4.30E-02	4.61E-03	1.30E-02	9.58E-03
RL	RLBAT-08	22.25	4.77E-10	--	--	--	3.02E-10	1.12E-24	6.73E-06	1.02E-06	--	1.04E-10	--	--	1.33E-12	3.22E-12	2.73E-17	6.55E-12	7.23E-11	3.59E-11	2.02E-10	7.94E-17
RL	RLPURX-07	113.03	3.75E-04	--	--	--	2.42E-04	1.06E-18	1.32E+00	4.45E-01	--	2.22E-05	--	--	1.08E-06	3.69E-06	1.20E-11	5.28E-06	8.24E-05	7.08E-06	8.83E-05	1.70E-11
RL	RLSWO-08	121.04	6.67E-03	--	--	--	4.22E-03	1.56E-17	9.43E+01	1.43E+01	--	1.46E-03	--	--	1.87E-05	4.51E-05	3.82E-10	9.17E-05	1.01E-03	5.04E-04	2.82E-03	1.11E-09
RL	RLWTP-08	846.25	2.22E+00	5.08E-01	--	--	5.90E+00	1.64E-15	4.00E+03	4.64E+02	--	5.36E-02	--	--	1.25E+01	9.75E-01	9.96E-08	3.29E+01	2.20E+01	9.60E-01	4.43E-01	2.09E+01
SA	SA-W135	19.58	2.86E-02	--	--	--	2.23E-02	9.92E-17	1.05E+01	1.07E+00	--	--	--	--	9.85E-05	1.67E-03	2.86E-11	4.84E-04	3.76E-02	2.41E-03	2.11E-04	7.83E-04
SR	SR-BCLRH-MT01	0.89	1.47E-03	1.19E-02	--	--	1.02E-03	1.09E-12	2.75E-01	3.05E-01	2.16E-04	1.53E-03	--	--	4.53E-06	7.76E-05	5.04E-11	2.23E-05	1.74E-03	1.43E-05	2.30E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	1.02E-05	8.27E-05	--	--	7.10E-06	7.58E-15	1.91E-03	2.12E-03	1.50E-06	1.06E-05	--	--	3.14E-08	5.39E-07	3.50E-13	1.54E-07	1.21E-05	9.92E-08	1.60E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	2.98E-04	--	--	--	1.91E-04	6.14E-18	1.01E-01	1.13E-01	--	--	--	--	8.50E-07	4.04E-05	2.85E-11	4.17E-06	9.07E-04	8.34E-06	1.25E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	1.02E-03	8.31E-03	--	--	7.15E-04	7.62E-13	1.92E-01	2.13E-01	1.51E-04	1.07E-03	--	--	3.16E-06	5.40E-05	3.53E-11	1.55E-05	1.21E-03	9.96E-06	1.61E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	3.06E-02	2.48E-01	--	--	2.14E-02	2.27E-11	5.74E+00	6.38E+00	4.51E-03	3.19E-02	--	--	9.45E-05	1.62E-03	1.05E-09	4.64E-04	3.63E-02	2.99E-04	4.81E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	2.09E-03	1.69E-02	--	--	1.46E-03	1.56E-12	3.92E-01	4.34E-01	3.09E-04	2.18E-03	--	--	6.45E-06	1.11E-04	7.19E-11	3.17E-05	2.49E-03	2.04E-05	3.29E-04	3.56E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-BCLRH-T006	0.89	4.91E-04	3.98E-03	--	--	3.42E-04	3.65E-13	9.23E-02	1.02E-01	7.25E-05	5.12E-04	--	--	1.51E-06	2.59E-05	1.69E-11	7.44E-06	5.83E-04	4.80E-06	7.71E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	4.05E-06	3.28E-05	--	--	2.83E-06	3.02E-15	7.60E-04	8.45E-04	5.95E-07	4.21E-06	--	--	1.25E-08	2.14E-07	1.39E-13	6.15E-08	4.81E-06	3.96E-08	6.36E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	4.84E-05	3.92E-04	--	--	3.37E-05	3.61E-14	9.07E-03	1.01E-02	7.13E-06	5.03E-05	--	--	1.49E-07	2.56E-06	1.66E-12	7.33E-07	5.75E-05	4.73E-07	7.60E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	3.25E-04	2.64E-03	--	--	2.27E-04	2.43E-13	6.11E-02	6.79E-02	4.81E-05	3.39E-04	--	--	1.00E-06	1.73E-05	1.12E-11	4.93E-06	3.88E-04	3.17E-06	5.13E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	2.09E-03	4.35E-02	--	--	5.47E-03	9.24E-12	8.58E-03	1.51E-02	5.16E-04	1.35E-05	--	--	2.43E-05	1.45E-06	6.63E-13	1.19E-04	3.25E-05	7.50E-08	4.02E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	1.50E-05	--	--	--	9.62E-06	1.56E-19	9.18E-03	3.11E-05	--	--	--	--	4.25E-08	1.33E-06	8.29E-16	2.09E-07	2.99E-05	4.90E-08	6.13E-09	--
SR	SR-T003-773A-HET	140.96	--	1.61E-01	--	--	--	1.16E-16	2.76E-02	--	--	--	--	--	--	3.77E-04	--	--	8.46E-03	7.61E-08	--	--
SR	SR-W027-SRSG-HET-RH	102.78	3.38E-02	2.85E+00	--	--	3.55E-02	2.11E-11	1.92E+01	4.64E+00	3.02E-02	2.77E-03	1.25E-10	--	1.58E-04	3.01E-04	1.25E-10	7.73E-04	6.73E-03	1.02E-04	9.19E-04	1.97E-09
Grand Total		**7079.00**	**1.13E+01**	**3.94E+00**	--	--	**1.20E+01**	**6.11E-11**	**6.75E+03**	**9.13E+02**	**3.65E-02**	**1.16E+00**	**1.43E-07**	--	**3.64E+02**	**3.79E+00**	**7.47E+00**	**9.14E+02**	**8.48E+01**	**3.79E+00**	**7.70E-01**	**1.30E+02**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	104.68	3.22E-03	7.34E-01	--	--	1.34E-01	--	6.44E+01	2.23E+01	3.21E-03	2.57E-02	2.16E-13	--	3.02E-02	8.73E-03	3.44E-09	4.59E-02	1.00E-01	2.23E-03	1.18E-02	4.41E-02
AE	AECHHM-S	14.15	1.53E-06	2.01E-03	--	--	4.66E-03	--	3.09E+01	5.69E+00	4.97E-09	1.99E-03	--	--	1.95E-04	5.96E-04	8.77E-10	2.00E-04	6.86E-03	4.60E-04	3.02E-03	2.69E-03
AE	AE-T001	513.85	2.11E-05	--	--	--	2.23E+00	--	3.51E+02	9.54E+01	--	2.21E-01	--	--	2.17E-01	3.95E-03	2.04E-04	3.91E-01	4.73E-02	1.33E-02	5.08E-02	1.63E-01
AE	AE-T003	109.74	2.52E-06	--	--	--	7.28E-02	--	1.02E+02	1.82E+01	--	1.44E-03	--	--	2.77E-02	1.83E-04	2.81E-09	4.61E-02	2.20E-03	1.52E-03	9.65E-03	7.84E-03
AE	MU-W002-S	4.79	7.29E-07	4.44E-04	--	--	5.26E-03	--	1.72E-02	--	--	--	--	--	5.05E-04	2.14E-08	--	2.25E-04	4.86E-07	1.96E-07	--	1.73E-05
AW (MFC)	AW-N026.82	3.78	--	--	--	--	--	--	2.63E-02	--	--	--	--	--	--	--	--	--	--	3.02E-07	--	--
AW (MFC)	AW-N027.531	26.60	9.55E-09	--	--	--	1.87E-05	--	6.50E+01	1.81E-01	--	6.48E-06	--	--	5.06E-06	3.57E-03	2.79E-11	8.52E-06	4.08E-02	8.00E-04	9.60E-05	2.06E-07
AW (MFC)	AW-T033.1325	157.54	5.67E-08	--	--	--	1.11E-04	--	3.85E+02	1.07E+00	--	3.84E-05	--	--	3.00E-05	2.11E-02	1.65E-10	5.04E-05	2.42E-01	4.74E-03	5.68E-04	1.22E-06
AW (MFC)	AW-W049	51.54	--	--	--	--	--	--	1.66E+00	--	--	--	--	--	--	--	--	--	--	1.90E-05	--	--
BT	BT-T002	18.90	1.23E-07	1.57E-05	--	--	5.99E-05	--	5.59E-04	5.23E-04	1.21E-07	1.15E-05	6.73E-13	--	9.08E-07	2.01E-04	1.50E-10	2.57E-06	2.30E-03	2.65E-05	3.03E-04	1.22E-07
IN	BN004-S	283.53	3.31E-05	--	--	--	2.31E-01	--	7.98E+02	8.32E+01	--	2.01E-02	--	--	1.48E-01	2.20E-03	1.28E-08	2.42E-01	2.52E-02	1.15E-02	4.41E-02	1.52E-03
IN	BN161-S	61.88	6.39E-06	--	--	--	1.29E-02	--	1.75E+02	1.85E+01	--	4.23E-03	--	--	1.95E-04	3.06E-04	2.84E-09	5.52E-04	3.49E-03	2.01E-03	9.78E-03	6.46E-09
IN	BN211-S	545.88	6.13E-05	1.08E-07	--	--	1.43E-01	--	1.54E+03	1.64E+02	--	3.90E-02	--	--	2.02E-02	2.97E-03	2.53E-08	3.52E-02	3.39E-02	1.83E-02	8.71E-02	4.66E-06
IN	BN243-S	152.72	4.62E-06	--	--	--	1.14E-02	--	8.24E+01	8.50E+00	--	2.43E-03	--	--	1.73E-04	2.41E-04	1.31E-09	4.89E-04	2.76E-03	1.19E-03	4.50E-03	3.72E-09
IN	BN252-S	168.27	2.32E-05	--	--	--	1.05E-01	--	7.44E+02	7.36E+01	--	2.24E-02	--	--	1.60E-03	1.13E-03	1.13E-08	4.51E-03	1.30E-02	8.72E-03	3.90E-02	3.42E-08
IN	BN296-S	492.08	7.94E-05	--	--	--	1.92E-01	--	1.29E+03	1.32E+02	--	3.82E-02	--	--	6.26E-03	2.63E-03	2.03E-08	1.36E-02	3.01E-02	1.01E+00	6.99E-02	6.48E-04
IN	BN304-S	322.14	6.49E-06	--	--	--	1.49E-02	--	2.28E+01	7.93E+00	--	1.90E-02	--	--	2.26E-04	4.77E-01	1.22E-09	6.39E-04	5.45E+00	3.04E-04	4.20E-03	2.38E-02
IN	BN510-S	2311.90	8.75E-05	--	--	--	2.13E-01	--	2.07E+03	2.06E+02	--	4.97E-02	--	--	1.04E-02	9.26E-02	3.17E-08	2.07E-02	1.06E+00	1.03E+00	1.09E-01	2.23E-02
IN	BN835-S	958.88	3.55E-06	--	--	--	1.17E-02	--	2.17E+00	6.36E-01	--	1.78E-03	--	--	1.77E-04	4.39E-02	9.80E-11	5.00E-04	5.02E-01	2.51E-05	3.37E-04	2.14E-04
IN	BN836-S	1088.64	1.78E-07	--	--	--	2.19E-03	--	1.78E+00	5.59E-01	--	1.83E-03	--	--	3.32E-05	4.83E-02	8.61E-11	9.38E-05	5.52E-01	4.86E-05	2.96E-04	1.34E-05
IN	BNINW216-S	3621.20	2.52E-03	--	--	--	5.15E+00	--	9.11E+02	1.05E+02	--	1.59E-01	--	--	7.81E-02	1.76E-02	1.62E-08	2.21E-01	2.24E-01	3.49E-02	5.55E-02	1.66E+00
IN	BNINW218-S	475.58	4.74E-06	--	--	--	2.69E-01	--	3.36E+01	3.19E+00	--	1.33E-03	--	--	4.08E-03	1.67E-03	4.92E-10	1.15E-02	2.10E-02	2.17E-03	1.69E-03	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	1.88E-08	--	--	--	3.80E-05	--	5.48E-01	5.81E-02	--	1.32E-05	--	--	5.76E-07	7.60E-07	8.95E-12	1.63E-06	8.69E-06	6.29E-06	3.08E-05	2.02E-11
IN	ID-RF-S3114-S	95.54	6.82E-07	--	--	--	1.44E-03	--	1.02E+01	1.00E+00	--	2.53E-04	--	--	2.18E-05	4.84E-05	1.54E-10	6.17E-05	5.55E-04	1.28E-04	5.30E-04	8.77E-05
IN	ID-RF-S3150-A-S	165.96	3.75E-06	--	--	--	8.65E-03	--	9.67E+01	9.89E+00	--	2.36E-03	--	--	1.31E-04	4.81E-02	1.52E-09	3.71E-04	5.50E-01	1.19E-03	5.24E-03	1.84E-04
IN	ID-RF-S5100-A-S	525.75	7.33E-06	--	--	--	1.47E-02	--	1.85E+02	1.96E+01	--	4.65E-03	--	--	8.35E-04	3.36E-04	3.01E-09	1.62E-03	3.84E-03	2.15E-03	1.04E-02	4.51E-06
IN	ID-RF-S5126-S	148.89	1.33E-05	--	--	--	2.76E-02	--	3.89E+02	4.17E+01	--	9.72E-03	--	--	1.28E-01	2.01E-03	6.43E-09	2.07E-01	2.30E-02	4.47E-03	2.21E-02	1.48E-08
IN	ID-RF-S5300-A-S	1429.67	1.09E-05	6.68E-09	--	--	2.42E-02	--	1.18E+02	1.23E+01	--	3.53E-03	--	--	1.70E-01	1.88E-03	1.89E-09	2.75E-01	2.15E-02	1.89E-03	6.49E-03	8.31E-04
IN	IN-BN004	437.22	6.19E-06	--	--	--	1.26E-02	--	1.27E+02	1.32E+01	--	2.72E-03	--	--	1.91E-04	1.84E-04	2.06E-09	5.40E-04	2.10E-03	1.46E-03	7.04E-03	4.17E-09
IN	IN-BN161	439.30	4.35E-05	--	--	--	9.15E-02	--	1.24E+03	1.31E+02	--	3.00E-02	--	--	1.39E-03	2.17E-03	2.03E-08	3.93E-03	2.48E-02	1.43E-02	6.95E-02	4.60E-08
IN	IN-BN211	424.74	4.57E-05	8.41E-08	--	--	1.11E-01	--	1.20E+03	1.28E+02	--	3.04E-02	--	--	1.58E-02	2.31E-03	1.98E-08	2.74E-02	2.64E-02	1.43E-02	6.79E-02	3.63E-06
IN	IN-BN-243	347.36	4.47E-06	--	--	--	9.04E-03	--	1.50E+02	1.53E+01	--	7.88E-03	--	--	1.38E-04	2.22E-04	2.39E-09	3.88E-04	2.53E-03	1.87E-03	8.17E-03	9.80E-06
IN	IN-BN252	146.85	1.94E-05	--	--	--	9.19E-02	--	6.49E+02	6.41E+01	--	1.95E-02	--	--	1.40E-03	9.92E-04	9.94E-09	3.95E-03	1.13E-02	7.63E-03	3.41E-02	2.99E-08
IN	IN-BN296	925.39	1.43E-04	--	--	--	3.62E-01	--	2.42E+03	2.47E+02	--	7.17E-02	--	--	1.18E-02	4.96E-03	3.84E-08	2.57E-02	5.66E-02	1.91E+00	1.32E-01	1.22E-03
IN	IN-BN304	222.56	4.31E-06	--	--	--	1.03E-02	--	1.57E+01	5.46E+00	--	1.32E-02	--	--	1.57E-04	3.30E-01	8.47E-10	4.42E-04	3.77E+00	2.11E-04	2.91E-03	1.65E-02
IN	IN-BN-510	11650.46	7.79E-04	1.39E-03	--	--	1.63E+00	--	1.29E+04	1.46E+03	--	3.31E-01	--	--	2.89E+02	1.08E+00	1.43E+00	4.66E+02	1.24E+01	6.40E-01	7.73E-01	1.26E-02
IN	IN-BN835	1219.05	2.50E-09	--	--	--	5.00E-06	--	2.79E+00	1.31E+00	--	6.23E-06	--	--	7.60E-08	2.71E-01	2.05E-10	2.15E-07	3.09E+00	3.21E-05	7.01E-04	9.55E-12
IN	IN-BN836	2043.09	1.74E-08	--	--	--	3.47E-05	--	8.15E-02	1.95E-02	--	4.86E-05	--	--	5.28E-07	1.93E-01	3.03E-12	1.49E-06	2.20E+00	9.39E-07	1.04E-05	7.44E-11
IN	IN-BNINW216	4431.23	1.94E-03	--	--	--	4.01E+00	--	6.57E+02	6.87E+01	--	1.41E-02	--	--	6.10E-02	9.45E-04	1.07E-08	1.72E-01	1.08E-02	7.56E-03	3.66E-02	2.15E-08
IN	IN-BNINW218	945.00	1.75E-05	--	--	--	3.57E-02	--	2.57E+01	2.68E+00	--	5.50E-04	--	--	5.43E-04	3.72E-05	4.17E-10	1.53E-03	4.24E-04	2.96E-04	1.43E-03	8.42E-10
IN	IN-GEM-01	7.28	3.46E-07	--	--	--	6.73E-04	--	1.19E+00	1.26E-01	--	1.84E-05	--	--	1.02E-05	1.09E-06	1.94E-11	2.88E-05	1.24E-05	1.36E-05	6.66E-05	2.81E-11
IN	IN-GEM-02	5.41	2.57E-07	--	--	--	5.00E-04	--	8.83E-01	9.34E-02	--	1.37E-05	--	--	7.58E-06	8.06E-07	1.44E-11	2.14E-05	9.22E-06	1.01E-05	4.95E-05	2.09E-11
IN	IN-ID-RF-S3114	3608.01	6.77E-05	--	--	--	1.48E-01	--	1.04E+03	1.02E+02	--	2.60E-02	--	--	2.24E-03	4.97E-03	1.58E-08	6.33E-03	5.68E-02	1.31E-02	5.43E-02	8.99E-03
IN	IN-ID-RF-S3150-A	178.88	1.83E-05	--	--	--	4.31E-02	--	4.81E+02	4.91E+01	--	1.17E-02	--	--	6.53E-04	2.39E-01	7.59E-09	1.85E-03	2.73E+00	5.95E-03	2.61E-02	9.18E-04
IN	IN-ID-RF-S5126-A	291.20	1.80E-04	--	--	--	3.87E-01	--	5.45E+03	5.85E+02	--	1.36E-01	--	--	1.79E+00	2.83E-02	9.07E-08	2.89E+00	3.22E-01	6.28E-02	3.11E-01	2.09E-07
IN	IN-ID-RF-S5300-A	12285.00	9.12E-05	5.74E-08	--	--	2.08E-01	--	1.01E+03	1.05E+02	--	3.04E-02	--	--	1.46E+00	1.62E-02	1.63E-08	2.36E+00	1.85E-01	1.62E-02	5.58E-02	7.14E-03
IN	IN-ID-SDA-Debris	5541.33	1.78E-03	5.17E+00	--	--	3.92E+00	--	4.81E+03	5.83E+02	--	--	--	--	1.49E-01	6.38E-01	2.32E-07	3.12E-01	7.43E+00	6.06E-01	5.95E-01	1.16E+01
IN	IN-ID-SDA-Sludge	11811.28	3.80E-03	1.10E+01	--	--	8.36E+00	--	1.03E+04	1.24E+03	--	--	--	--	3.17E-01	1.36E+00	4.95E-07	6.66E-01	1.58E+01	1.29E+00	1.27E+00	2.48E+01
IN	IN-ID-SDA-Soil	665.60	2.14E-04	6.21E-01	--	--	4.71E-01	--	5.78E+02	7.01E+01	--	--	--	--	1.79E-02	7.67E-02	2.79E-08	3.75E-02	8.93E-01	7.28E-02	7.15E-02	1.40E+00
IN	INW161.001-S	19.14	3.73E-06	--	--	--	7.19E-03	--	1.18E+02	1.23E+01	--	3.46E-03	--	--	1.09E-04	1.94E-04	1.89E-09	3.08E-04	2.21E-03	1.44E-03	6.51E-03	5.56E-06
IN	IN-W163.1007	11.47	1.24E-06	--	--	--	2.40E-03	--	6.50E+01	6.60E+00	--	4.15E-03	--	--	3.64E-05	9.58E-05	1.02E-09	1.03E-04	1.09E-03	7.47E-04	3.51E-03	6.34E-09
IN	IN-W167.149	383.30	2.71E-06	--	--	--	5.28E-03	--	1.00E+02	1.02E+01	--	5.27E-03	--	--	8.02E-05	1.48E-04	1.58E-09	2.27E-04	1.69E-03	1.15E-03	5.41E-03	8.06E-09
IN	INW169.001-S	19.14	6.40E-07	--	--	--	1.24E-03	--	1.47E+01	1.52E+00	--	5.80E-04	--	--	1.87E-05	4.61E-05	2.34E-10	5.30E-05	5.28E-04	2.41E-04	8.04E-04	4.37E-06
IN	IN-W181.162	80.29	5.74E-07	--	--	--	1.11E-03	--	2.04E+01	2.13E+00	--	4.37E-04	--	--	1.68E-05	2.95E-05	3.30E-10	4.75E-05	3.36E-04	2.34E-04	1.13E-03	6.68E-10
IN	IN-W188.160	149.11	1.06E-06	--	--	--	2.03E-03	--	5.52E+01	5.60E+00	--	2.94E-03	--	--	3.09E-05	8.12E-05	8.67E-10	8.73E-05	9.27E-04	6.34E-04	2.98E-03	4.50E-09
IN	INW198.001-S	49.09	9.06E-07	--	--	--	1.75E-03	--	2.83E+01	2.92E+00	--	8.72E-04	--	--	1.81E-04	4.98E-05	4.50E-10	3.24E-04	5.70E-04	3.60E-04	1.55E-03	5.90E-05
IN	INW211.001-S	303.92	1.11E-04	--	--	--	2.14E-01	--	2.73E+03	2.80E+02	--	1.38E-01	--	--	1.09E-02	4.51E-03	4.32E-08	2.16E-02	5.16E-02	3.22E-02	1.49E-01	1.47E-03
IN	INW216.001-S	1245.06	5.95E-03	--	--	--	1.16E+01	--	2.44E+03	2.53E+02	--	1.16E-01	--	--	1.96E-01	6.12E-02	3.90E-08	5.31E-01	7.53E-01	1.31E-01	1.34E-01	3.89E+00

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	INW218.001-S	1110.87	9.04E-05	--	--	--	1.76E-01	--	3.72E+02	3.84E+01	--	1.67E-02	--	--	9.28E-03	8.99E-02	5.93E-09	1.82E-02	1.15E+00	1.06E-01	2.04E-02	8.74E+00
IN	IN-W219.110	7.70	1.99E-07	--	--	--	3.84E-04	--	7.09E+00	7.41E-01	--	1.52E-04	--	--	5.84E-06	1.02E-05	1.15E-10	1.65E-05	1.17E-04	8.14E-05	3.94E-04	2.32E-10
IN	IN-W219.914	1.89	1.62E-08	--	--	--	3.11E-05	--	5.75E-01	6.01E-02	--	1.23E-05	--	--	4.73E-07	8.27E-07	9.30E-12	1.34E-06	9.44E-06	6.60E-06	3.19E-05	1.88E-11
IN	INW222.001-S	65.10	7.82E-06	--	--	--	1.51E-02	--	2.13E+02	2.20E+01	--	7.27E-03	--	--	2.29E-04	3.95E-04	3.40E-09	6.46E-04	4.62E-03	2.55E-03	1.17E-02	7.02E-03
IN	IN-W222.116	259.02	1.35E-05	--	--	--	2.59E-02	--	6.92E+02	7.05E+01	--	3.64E-02	--	--	3.94E-04	1.02E-03	1.09E-08	1.11E-03	1.17E-02	7.95E-03	3.74E-02	5.56E-08
IN	INW243.001-S	74.88	9.74E-06	--	--	--	1.89E-02	--	1.78E+02	1.83E+01	--	6.69E-03	--	--	1.75E-03	4.83E-04	2.82E-09	3.18E-03	5.52E-03	2.48E-03	9.70E-03	3.17E-04
IN	INW247.001R1-S	116.90	1.27E-05	--	--	--	2.44E-02	--	3.11E+02	3.27E+01	--	7.78E-03	--	--	4.84E-03	7.79E-04	5.04E-09	8.26E-03	8.90E-03	3.57E-03	1.73E-02	1.19E-08
IN	INW252.001-S	60.94	9.27E-06	--	--	--	1.78E-02	--	2.26E+02	2.36E+01	--	6.69E-03	--	--	2.70E-04	4.45E-04	3.65E-09	7.63E-04	5.09E-03	2.82E-03	1.25E-02	1.02E-08
IN	IN-W263.520	280.07	9.64E-09	--	--	--	1.86E-05	--	1.42E+01	1.04E-02	--	2.60E-05	--	--	2.82E-07	1.25E-02	1.61E-12	7.97E-07	1.43E-01	1.64E-04	5.54E-06	3.97E-11
IN	IN-W267.1005	11.47	2.24E-06	--	--	--	4.32E-03	--	1.17E+02	1.19E+01	--	7.91E-03	--	--	6.56E-05	1.73E-04	1.84E-09	1.85E-04	1.97E-03	1.34E-03	6.30E-03	1.21E-08
IN	INW276.001-S	10.19	8.54E-07	--	--	--	1.65E-03	--	2.38E+01	2.50E+00	--	6.43E-04	--	--	2.51E-05	7.56E-05	3.87E-10	7.08E-05	8.63E-04	2.73E-04	1.33E-03	9.82E-10
IN	INW276.002-S	16.02	1.34E-06	--	--	--	2.60E-03	--	3.58E+01	3.75E+00	--	9.64E-04	--	--	4.72E-04	1.14E-04	5.80E-10	8.10E-04	1.30E-03	4.11E-04	1.99E-03	1.47E-09
IN	INW276.003-S	186.58	5.12E-05	--	--	--	9.86E-02	--	1.29E+03	1.36E+02	--	3.59E-02	--	--	3.24E-02	4.14E-03	2.10E-08	5.41E-02	4.73E-02	1.49E-02	7.21E-02	1.17E-06
IN	INW276.004-S	46.80	1.19E-05	--	--	--	2.29E-02	--	2.75E+02	2.89E+01	--	7.51E-03	--	--	2.72E-02	8.75E-04	4.46E-09	4.44E-02	1.00E-02	3.18E-03	1.53E-02	1.15E-08
IN	INW296.001-S	97.76	2.05E-05	--	--	--	3.97E-02	--	3.84E+02	4.02E+01	--	1.08E-02	--	--	6.61E-03	9.71E-04	6.20E-09	1.14E-02	1.11E-02	4.56E-03	2.13E-02	3.96E-04
IN	IN-W315.601	34.41	2.26E-04	--	--	--	4.50E-01	--	2.12E+01	2.22E+00	--	4.53E-04	--	--	6.84E-03	3.06E-05	3.43E-10	1.93E-02	3.50E-04	2.44E-04	1.18E-03	6.93E-10
IN	IN-W319.584	4.79	3.46E-07	--	--	--	6.66E-04	--	1.80E+01	1.83E+00	--	1.37E-03	--	--	1.01E-05	2.67E-05	2.84E-10	2.86E-05	3.05E-04	2.07E-04	9.74E-04	2.10E-09
IN	IN-W321.1023	11.47	3.00E-06	--	--	--	5.77E-03	--	1.56E+02	1.59E+01	--	6.65E-03	--	--	8.77E-05	2.31E-04	2.46E-09	2.48E-04	2.63E-03	1.80E-03	8.45E-03	1.02E-08
IN	IN-W322.851	1.89	--	--	--	--	--	--	6.84E+00	6.52E-01	--	--	--	--	--	--	1.01E-10	--	--	3.26E-04	3.46E-04	--
IN	IN-W322.952	1.66	--	--	--	--	--	--	1.82E+01	1.74E+00	--	--	--	--	--	--	2.69E-10	--	--	8.68E-04	9.25E-04	--
IN	IN-W323.562	1.89	1.02E-08	--	--	--	1.96E-05	--	1.87E-01	--	--	--	--	--	2.97E-07	4.15E-05	--	8.39E-07	4.74E-04	9.80E-05	--	--
IN	IN-W323.951	1.46	8.40E-08	--	--	--	1.62E-04	--	1.56E+00	--	--	--	--	--	2.46E-06	3.45E-06	--	6.95E-06	3.93E-05	8.16E-04	--	--
IN	IN-W332.661	4.79	--	--	--	--	--	--	8.93E-02	--	--	--	--	--	--	5.14E-04	--	--	5.87E-03	1.03E-06	--	--
IN	IN-W337.673	0.21	--	--	--	--	--	--	2.28E+00	2.18E-01	--	--	--	--	--	--	3.37E-11	--	--	1.08E-04	1.16E-04	--
IN	IN-W337.957	1.89	--	--	--	--	--	--	6.84E+00	6.52E-01	--	--	--	--	--	--	1.01E-10	--	--	3.26E-04	3.46E-04	--
IN	IN-W342.652	1.89	4.70E-07	--	--	--	9.37E-04	--	3.01E-02	7.72E-12	--	--	2.00E-11	--	1.42E-05	--	1.08E-22	4.02E-05	--	3.46E-07	8.30E-16	--
IN	IN-W342.953	0.42	3.14E-07	--	--	--	6.26E-04	--	2.01E-02	5.15E-12	--	--	1.34E-11	--	9.50E-06	--	7.22E-23	2.68E-05	--	2.31E-07	5.54E-16	--
IN	IN-W347.818	153.90	2.72E-07	--	--	--	5.43E-04	--	5.73E+01	4.69E+01	--	--	--	--	8.24E-06	1.21E-06	2.86E-05	2.33E-05	2.74E-05	7.50E-04	2.50E-02	9.77E-04
IN	IN-W348.1012	22.94	5.55E-06	--	--	--	1.07E-02	--	2.89E+02	2.93E+01	--	1.50E-02	--	--	1.63E-04	4.25E-04	4.54E-09	4.59E-04	4.86E-03	3.31E-03	1.56E-02	2.30E-08
IN	IN-W353.917	0.21	--	--	--	--	6.89E-05	--	1.87E-02	--	--	--	--	--	1.05E-06	--	--	2.96E-06	--	2.15E-07	--	--
IN	IN-W357.1022	4.79	1.08E-08	--	--	--	2.09E-05	--	5.63E-01	5.73E-02	--	3.35E-05	--	--	3.17E-07	8.32E-07	8.87E-12	8.97E-07	9.50E-06	6.47E-06	3.04E-05	5.13E-11
IN	IN-W358.854	1.89	--	--	--	--	--	--	1.41E+00	1.25E+00	--	--	--	--	--	1.27E-02	1.93E-10	--	1.45E-01	1.62E-05	6.65E-04	--
IN	IN-W358.855	3.33	--	--	--	--	--	--	7.52E+00	6.66E+00	--	--	--	--	--	6.76E-02	1.03E-09	--	7.72E-01	8.64E-05	3.54E-03	--
IN	IN-W358.948	0.21	--	--	--	--	--	--	1.57E+00	1.39E+00	--	--	--	--	--	1.41E-02	2.15E-10	--	1.61E-01	1.80E-05	7.37E-04	--
IN	IN-W361.1021	11.47	1.05E-06	--	--	--	2.03E-03	--	5.47E+01	5.57E+00	--	2.79E-03	--	--	3.08E-05	8.07E-05	8.63E-10	8.70E-05	9.21E-04	6.28E-04	2.96E-03	4.27E-09
IN	IN-W362.1020	45.88	1.37E-05	--	--	--	2.64E-02	--	7.15E+02	7.26E+01	--	3.55E-02	--	--	4.00E-04	1.05E-03	1.12E-08	1.13E-03	1.20E-02	8.21E-03	3.86E-02	5.43E-08
IN	IN-W363.1019	4.79	6.43E-07	--	--	--	1.24E-03	--	3.37E+01	3.40E+00	--	1.50E-03	--	--	1.88E-05	4.95E-05	5.27E-10	5.32E-05	5.65E-04	3.86E-04	1.81E-03	2.29E-09
IN	IN-W364.1011	4.79	1.06E-06	--	--	--	2.04E-03	--	5.52E+01	5.61E+00	--	3.71E-03	--	--	3.11E-05	8.16E-05	8.69E-10	8.77E-05	9.32E-04	6.34E-04	2.98E-03	5.68E-09
IN	IN-W365.1010	11.47	3.68E-05	--	--	--	7.33E-02	--	4.41E+01	4.47E+00	--	2.44E-03	--	--	1.11E-03	6.49E-05	6.92E-10	3.14E-03	7.41E-04	5.06E-04	2.37E-03	3.74E-09
IN	IN-W366.841	16.26	8.43E-07	--	--	--	1.63E-03	--	3.73E+01	3.78E+00	--	1.88E-03	--	--	2.48E-05	5.52E-05	5.85E-10	7.00E-05	6.30E-04	4.28E-04	2.01E-03	2.88E-09
IN	IN-W372.832	1.89	4.70E-07	--	--	--	9.37E-04	--	3.01E-02	7.72E-12	--	--	2.00E-11	--	1.42E-05	--	1.08E-22	4.02E-05	--	3.46E-07	8.30E-16	--
IN	IN-W375.1096	199.78	2.65E-07	--	--	--	5.10E-04	--	1.38E+01	1.41E+00	--	7.26E-04	--	--	7.75E-06	2.04E-05	2.17E-10	2.19E-05	2.32E-04	1.59E-04	7.47E-04	1.11E-09
KN	KN-B234PCBTRU	0.42	7.62E-10	--	--	--	1.48E-06	--	9.91E-03	1.54E-03	--	4.70E-07	--	--	1.12E-05	1.42E-07	3.45E-08	1.82E-05	1.64E-06	1.74E-07	8.15E-07	6.91E-07
KN	KN-B234TRU	968.06	3.90E-05	--	--	--	7.59E-02	--	5.10E+02	7.92E+01	--	1.74E-03	--	--	3.97E-02	2.16E-03	1.26E-04	6.55E-02	2.49E-02	6.07E-03	4.20E-02	1.73E-02
LA	LA-LAMHD01	241.23	1.39E-04	1.22E-02	--	--	2.76E-01	--	5.09E+03	5.76E+02	2.01E-06	3.33E+00	3.03E-06	--	6.51E-02	7.31E-02	9.59E-07	1.10E-01	8.34E-01	5.90E-02	3.06E-01	7.13E-03
LA	LA-LAMHD02238	368.09	2.58E-04	--	--	--	4.63E-03	--	9.56E+00	2.25E+00	2.55E-04	5.47E-03	--	--	7.01E-05	6.51E-01	3.46E-10	1.98E-04	7.44E+00	1.10E-04	1.19E-03	8.35E-09
LA	LA-LAMHD03	5.62	6.52E-07	3.79E-06	--	--	1.37E-03	--	6.41E+00	7.41E-01	--	1.35E-03	8.72E-10	--	2.08E-05	7.87E-03	1.15E-10	5.89E-05	8.98E-02	7.62E-05	3.94E-04	2.92E-07
LA	LA-LAMIN02V	42.92	8.48E-06	--	--	--	1.62E-02	--	2.90E+02	3.17E+01	--	5.10E-03	--	--	2.45E-04	3.46E-04	4.89E-09	6.94E-04	3.95E-03	3.32E-03	1.68E-02	7.79E-09
LA	LA-LAMIN03NC	0.62	3.17E-07	--	--	--	6.05E-04	--	1.08E+01	1.18E+00	--	1.90E-04	--	--	9.16E-06	1.29E-05	1.82E-10	2.59E-05	1.48E-04	1.24E-04	6.27E-04	2.90E-10
LA	LA-LAMIN04S	322.24	3.85E-04	--	--	--	7.39E-01	--	7.64E+03	9.01E+02	--	1.59E+00	7.88E-07	--	1.12E-02	1.36E-02	1.39E-07	3.17E-02	1.55E-01	8.76E-02	4.77E-01	2.43E-06
LA	LA-LA-NCD01	434.62	3.80E-05	3.60E-04	--	--	7.90E-02	--	1.23E+03	1.36E+02	--	2.36E-02	--	--	1.20E-03	6.13E-02	2.10E-08	3.39E-03	7.01E-01	3.07E-02	7.24E-02	2.05E-04
LA	LA-LANHD01	269.76	1.88E-04	--	--	--	1.05E-01	--	1.88E+03	2.05E+02	1.34E-04	3.36E-02	--	--	1.60E-03	5.70E-02	3.18E-08	4.52E-03	6.51E-01	2.19E-02	1.09E-01	3.33E-06
LA	LA-LANHD02238	2245.18	4.44E-04	4.05E-05	--	--	7.70E-02	--	1.56E+02	3.64E+01	4.04E-04	8.73E-02	--	--	1.17E-03	1.05E+01	5.62E-09	3.30E-03	1.20E+02	1.79E-03	1.93E-02	1.33E-07
LA	LA-LANIN03NC	1119.02	9.48E-04	1.27E+00	--	--	2.78E+00	--	2.79E+04	3.17E+03	--	6.53E-01	--	--	4.20E-02	1.06E+00	4.89E-07	1.19E-01	1.21E+01	3.20E-01	1.68E+00	9.96E-07
LA	LA-MHD01.001-S	487.32	1.42E-03	3.28E-01	--	--	2.66E+00	--	3.08E+04	6.67E+02	1.04E-04	1.43E+00	--	--	3.42E-01	1.88E-01	4.62E-06	6.01E-01	2.06E+00	3.56E-01	3.53E-01	2.20E-03
LA	LA-MHD02.001-S	13.52	3.91E-05	1.56E-05	--	--	4.87E-04	--	1.04E+00	2.42E-01	3.88E-05	7.05E-04	--	--	8.90E-06	8.26E-02	3.73E-11	2.33E-05	9.44E-01	1.26E-05	1.28E-04	1.08E-09
LA	LA-MHD02238	0.21	1.78E-09	--	--	--	3.38E-06	--	6.53E-03	1.54E-03	--	3.51E-06	--	--	5.13E-08	4.43E-04	2.37E-13	1.45E-07	5.07E-03	7.48E-08	8.14E-07	5.36E-12
LA	LA-MHD03.001-S	47.01	2.44E-06	1.21E-03	--	--	5.79E-03	--	1.88E+01	2.45E+00	9.59E-07	2.52E-03	--	--	8.77E-05	2.37E-03	3.77E-10	2.48E-04	2.71E-02	2.40E-04	1.30E-03	1.51E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-MIN03-NC.001-S	248.69	1.48E-05	1.14E-04	--	--	3.05E-02	--	8.08E+01	5.44E+00	9.22E-09	1.55E-02	--	--	4.63E-04	9.97E-04	8.39E-10	1.31E-03	1.14E-02	1.17E-03	2.89E-03	7.93E-05
LA	LA-OS-00-01	118.14	1.35E-03	--	--	--	2.63E+00	--	--	--	--	--	--	--	3.99E-02	3.87E-02	--	1.13E-01	4.42E-01	--	--	--
LA	LA-OS-00-01.001-S	75.71	5.24E-05	--	--	--	1.01E-01	--	5.21E+02	7.21E+01	--	5.55E-02	--	--	1.54E-03	2.44E-01	1.11E-08	4.34E-03	2.79E+00	6.01E-03	3.82E-02	1.07E-06
LA	LA-OS-00-01-S	0.42	2.93E-07	--	--	--	5.83E-04	--	3.58E+00	1.68E+00	--	9.48E-05	--	--	8.83E-06	8.53E-02	2.59E-10	2.50E-05	6.29E-04	4.11E-05	8.91E-04	1.45E-10
LA	LA-OS-00-03	14.56	2.65E-06	--	--	--	5.19E-03	--	--	--	--	--	--	--	7.86E-05	--	--	2.22E-04	--	--	--	--
LA	LA-PX-00-01	0.62	1.40E-09	--	--	--	2.72E-06	--	4.20E-02	4.55E-03	--	--	--	--	4.13E-08	1.60E-07	7.03E-13	1.17E-07	1.82E-06	4.82E-07	2.42E-06	--
LA	LA-TA-00-01	322.96	1.85E-04	3.19E-03	--	--	1.31E-02	--	8.31E+01	7.25E+00	1.80E-04	1.02E-01	1.06E-04	--	9.18E-04	1.66E-02	1.11E-07	1.72E-03	1.90E-01	9.58E-04	3.86E-03	7.63E-05
LA	LA-TA-00-02	0.21	1.77E-07	--	--	--	3.42E-04	--	8.03E-03	6.05E-02	--	1.13E-01	1.61E-07	--	5.18E-06	7.22E-05	9.34E-12	1.46E-05	8.25E-04	9.22E-08	3.21E-05	1.73E-07
LA	LA-TA-03-01	0.21	5.56E-09	--	--	--	1.73E-05	--	1.38E-01	1.50E-02	--	2.42E-06	--	--	2.62E-07	1.64E-07	2.32E-12	7.41E-07	1.87E-06	1.58E-06	7.98E-06	3.70E-12
LA	LA-TA-03-03	13.52	1.01E-07	3.59E-04	--	--	1.04E-03	--	3.12E+00	3.42E-01	--	5.79E-05	--	--	1.58E-05	4.02E-04	5.28E-11	4.46E-05	4.59E-03	4.41E-05	1.81E-04	4.83E-08
LA	LA-TA-03-04	0.42	1.23E-08	--	--	--	4.13E-05	--	2.16E-01	2.37E-02	--	4.22E-06	--	--	6.27E-07	5.61E-05	3.65E-12	1.77E-06	6.42E-04	2.47E-06	1.26E-05	6.45E-12
LA	LA-TA-03-05	3.14	6.12E-09	--	--	--	2.61E-05	--	1.83E-01	2.03E-02	--	3.57E-06	--	--	3.95E-07	1.04E-05	3.14E-12	1.12E-06	1.19E-04	1.55E-05	1.08E-05	3.74E-05
LA	LA-TA-03-06	0.21	2.47E-08	1.07E-04	--	--	7.93E-05	--	2.25E-01	2.46E-02	--	4.02E-06	--	--	1.20E-06	7.95E-06	3.80E-12	3.40E-06	9.08E-05	2.58E-06	1.31E-05	6.14E-12
LA	LA-TA-03-07	3.74	3.75E-08	1.83E-04	--	--	6.41E-04	--	1.16E+00	1.18E-01	--	2.06E-05	--	--	9.72E-06	2.69E-06	1.82E-11	2.75E-05	3.08E-05	1.96E-05	6.26E-05	6.14E-08
LA	LA-TA-03-08	37.80	3.86E-08	2.50E-04	--	--	1.39E-04	--	2.43E-01	1.94E-02	--	3.89E-06	--	--	2.11E-06	1.18E-04	2.99E-12	5.96E-06	1.36E-03	1.97E-04	1.03E-05	5.67E-04
LA	LA-TA-03-09	33.15	3.10E-06	1.86E-03	--	--	6.01E-02	--	1.85E+01	2.03E+00	4.40E-07	9.99E-03	1.08E-08	--	9.12E-04	3.13E-04	3.14E-10	2.58E-03	3.58E-03	3.27E-04	1.08E-03	3.97E-05
LA	LA-TA-03-10	485.93	4.87E-06	2.47E-02	--	--	3.23E-02	--	1.05E+02	1.14E+01	--	2.02E-03	--	--	4.90E-04	1.77E-02	1.76E-09	1.39E-03	2.03E-01	2.43E-03	6.05E-03	1.45E-04
LA	LA-TA-03-12	200.53	8.59E-06	5.96E-03	--	--	8.02E-03	--	5.60E+01	6.45E+00	5.05E-06	2.91E-02	2.36E-08	--	1.22E-04	9.47E-03	1.20E-08	3.45E-04	1.08E-01	2.43E-03	3.46E-03	9.19E-06
LA	LA-TA-03-13	23.30	4.99E-07	6.60E-05	--	--	1.61E-03	--	1.57E+01	1.66E+00	--	3.53E-04	--	--	2.45E-05	2.28E-03	2.59E-10	6.92E-05	2.60E-02	2.55E-04	8.86E-04	2.82E-07
LA	LA-TA-03-14	56.77	9.63E-07	1.94E-03	--	--	2.34E-03	--	1.20E+01	1.48E+00	--	1.12E-02	1.00E-08	--	3.57E-05	3.90E-03	2.33E-10	1.01E-04	4.45E-02	2.99E-04	7.94E-04	5.03E-06
LA	LA-TA-03-15	8.94	1.60E-07	1.94E-03	--	--	4.42E-04	--	1.44E+00	1.58E-01	--	2.22E-03	1.75E-09	--	6.71E-06	2.91E-04	2.48E-11	1.90E-05	3.32E-03	2.24E-05	8.46E-05	8.48E-07
LA	LA-TA-03-16	28.29	5.72E-07	--	--	--	2.06E-03	--	1.07E+01	1.98E+00	--	1.62E-03	--	--	3.13E-05	4.64E-04	3.06E-10	8.83E-05	5.30E-03	1.23E-04	1.05E-03	2.47E-09
LA	LA-TA-03-18	0.62	--	--	--	--	--	--	4.67E-03	1.56E-01	--	--	--	--	--	--	2.42E-11	--	--	5.37E-08	8.29E-05	--
LA	LA-TA-03-19	51.17	1.67E-07	--	--	--	3.59E-04	--	3.29E+00	5.12E-01	--	4.97E-04	--	--	5.46E-06	1.78E-03	7.96E-11	1.54E-05	2.02E-02	3.78E-05	2.73E-04	7.61E-10
LA	LA-TA-03-20	24.54	1.52E-07	--	--	--	1.76E-03	--	4.93E+00	6.53E-01	--	3.44E-04	--	--	2.67E-05	1.76E-02	1.01E-10	7.54E-05	2.01E-01	5.67E-05	3.48E-04	5.27E-10
LA	LA-TA-03-21	98.66	6.09E-08	--	--	--	3.48E-04	--	2.73E+00	3.17E-01	--	9.28E-05	--	--	5.30E-06	1.05E-03	4.93E-11	1.50E-05	1.20E-02	3.15E-05	1.69E-04	1.42E-10
LA	LA-TA-03-23	68.66	1.48E-09	--	--	--	2.92E-06	--	8.75E-02	9.47E-03	--	1.81E-06	--	--	4.44E-08	6.00E-05	1.47E-12	1.25E-07	6.83E-04	1.01E-06	5.05E-06	2.77E-12
LA	LA-TA-03-24	9.36	2.98E-07	--	--	--	9.56E-04	--	7.49E+00	1.18E+00	--	7.67E-04	--	--	1.46E-05	4.01E-04	1.84E-10	4.11E-05	4.57E-03	8.62E-05	6.30E-04	1.17E-09
LA	LA-TA-03-25	0.21	6.75E-10	--	--	--	1.31E-06	--	4.10E-02	4.42E-03	--	7.27E-07	--	--	1.98E-08	4.93E-08	6.85E-13	5.60E-08	5.63E-07	4.71E-07	2.35E-06	1.11E-12
LA	LA-TA-03-26	6.66	5.25E-08	--	--	--	1.04E-04	--	3.49E+01	3.48E-01	--	5.96E-05	--	--	1.59E-06	2.14E-03	9.29E-11	4.47E-06	2.44E-02	4.13E-03	2.63E-04	5.31E-06
LA	LA-TA-03-28	6.03	5.97E-08	--	--	--	1.18E-04	--	3.12E+00	2.65E-01	--	1.05E-04	--	--	1.80E-06	1.12E-04	4.12E-11	5.08E-06	1.28E-03	3.58E-05	1.41E-04	1.61E-10
LA	LA-TA-03-29	0.42	9.32E-09	--	--	--	1.82E-05	--	8.42E-02	1.52E-02	--	3.10E-05	--	--	2.77E-07	6.87E-03	2.36E-12	7.81E-07	7.83E-02	9.68E-07	8.08E-06	4.75E-11
LA	LA-TA-03-30	7.77	9.47E-09	5.71E-07	--	--	2.05E-05	--	3.98E-02	5.82E-03	--	9.54E-07	--	--	3.12E-07	2.72E-06	9.04E-13	8.82E-07	3.11E-05	8.06E-07	3.10E-06	1.46E-12
LA	LA-TA-03-31	0.21	1.45E-08	--	--	--	2.80E-05	--	8.81E-01	9.50E-02	--	1.56E-05	--	--	4.26E-07	1.06E-06	1.47E-11	1.20E-06	1.21E-05	1.01E-05	5.05E-05	2.39E-11
LA	LA-TA-03-32	0.21	--	--	--	--	--	--	1.33E-01	--	--	--	--	--	--	--	--	--	--	2.46E-05	--	--
LA	LA-TA-03-33	2.10	2.83E-11	--	--	--	1.84E-04	--	--	--	--	--	--	--	2.80E-06	1.49E-08	--	7.90E-06	3.37E-07	--	--	1.20E-05
LA	LA-TA-03-34	39.69	1.70E-09	--	--	--	3.35E-06	--	2.88E-02	1.48E-03	--	2.44E-07	--	--	5.09E-08	1.01E-04	2.29E-13	1.44E-07	1.15E-03	2.99E-06	7.88E-07	6.16E-06
LA	LA-TA-03-40	28.35	--	--	--	--	--	--	5.67E+00	--	--	--	--	--	--	2.11E-05	--	--	2.41E-04	9.60E-05	--	--
LA	LA-TA-03-42	96.39	4.14E-10	--	--	--	8.10E-07	--	4.50E-01	2.74E-03	--	4.51E-07	--	--	1.23E-08	4.69E-06	4.26E-13	3.48E-08	5.35E-05	5.18E-06	1.46E-06	6.91E-13
LA	LA-TA-21-05	0.42	1.33E-08	--	--	--	2.62E-05	--	7.80E-01	8.57E-02	--	1.64E-05	--	--	3.99E-07	9.94E-07	1.33E-11	1.13E-06	1.13E-05	2.86E-05	4.57E-05	2.51E-11
LA	LA-TA-21-06	256.90	4.76E-06	--	--	--	9.41E-03	--	1.53E+02	2.13E+01	--	1.11E-02	--	--	1.43E-04	5.92E-01	3.31E-09	4.04E-04	6.75E+00	2.69E-03	1.14E-02	1.69E-08
LA	LA-TA-21-07	678.79	2.25E-06	5.65E-08	--	--	4.46E-03	--	1.53E+02	1.35E+01	--	3.35E-03	--	--	6.79E-05	4.30E-01	2.11E-09	1.92E-04	4.90E+00	1.79E-03	7.22E-03	2.01E-03
LA	LA-TA-21-08	3.54	5.35E-08	--	--	--	1.06E-04	--	2.02E+00	2.62E-01	--	1.10E-04	--	--	1.61E-06	3.59E-03	4.07E-11	4.55E-06	4.10E-02	2.33E-05	1.40E-04	1.69E-10
LA	LA-TA-21-09	4.37	3.78E-08	--	--	--	1.48E-04	--	2.69E-01	2.89E-02	--	3.88E-04	--	--	2.25E-06	5.91E-02	4.50E-12	6.35E-06	6.74E-01	3.09E-06	1.54E-05	5.94E-10
LA	LA-TA-21-10	0.21	--	--	--	--	--	--	3.77E-01	--	--	--	--	--	--	--	--	--	--	4.34E-06	--	--
LA	LA-TA-21-11	24.57	--	--	--	--	--	--	1.58E+01	--	--	--	--	--	--	2.08E-05	--	--	2.37E-04	1.82E-04	--	--
LA	LA-TA-21-12	202.87	8.74E-06	--	--	--	1.73E-02	--	2.07E+02	3.14E+01	--	2.24E-02	--	--	2.48E+01	1.75E+00	4.88E-09	3.99E+01	2.00E+01	4.44E-03	1.67E-02	3.44E-08
LA	LA-TA-21-13	2934.38	1.34E-03	--	--	--	2.75E+00	--	9.23E+01	--	--	--	--	--	4.19E-02	7.88E-03	1.10E-04	1.18E-01	9.00E-02	2.50E-02	--	1.12E-02
LA	LA-TA-21-14	85.39	--	--	--	--	--	--	6.97E+00	--	--	--	--	--	--	--	--	--	--	8.02E-05	--	--
LA	LA-TA-21-15	3.54	4.22E-08	--	--	--	8.32E-05	--	3.54E+00	2.82E-01	--	4.64E-05	--	--	1.27E-06	3.15E-06	4.38E-11	3.58E-06	3.59E-05	4.07E-05	1.50E-04	7.10E-11
LA	LA-TA-21-16	79.87	8.50E-06	--	--	--	1.68E-02	--	4.75E+02	5.22E+01	--	1.22E-02	--	--	2.55E-04	8.21E-04	8.11E-09	7.21E-04	9.36E-03	8.76E-03	2.78E-02	1.87E-08
LA	LA-TA-21-17	0.62	3.18E-10	--	--	--	6.28E-07	--	1.97E-02	2.13E-03	--	3.50E-07	--	--	9.57E-09	2.38E-08	3.30E-13	2.70E-08	2.71E-07	2.27E-07	1.13E-06	5.36E-13
LA	LA-TA-21-18	15.12	1.36E-05	--	--	--	2.83E-02	--	9.68E+01	1.79E+01	--	2.83E-04	--	--	4.30E-04	9.65E-04	2.77E-09	1.21E-03	1.10E-02	1.11E-03	9.51E-03	4.33E-10
LA	LA-TA-21-40	1097.45	6.33E-08	--	--	--	1.40E-04	--	2.51E+02	3.06E-01	--	5.05E-05	1.75E-04	--	5.20E-06	5.14E-02	4.76E-11	1.10E-05	5.87E-01	2.88E-03	1.63E-04	1.36E-06
LA	LA-TA-21-41	22.68	--	--	--	--	--	--	1.37E+01	--	--	--	--	--	--	--	--	--	--	1.57E-04	--	--
LA	LA-TA-21-42	103.95	8.19E-07	--	--	--	1.78E-03	--	1.58E+01	--	--	--	--	--	2.71E-05	1.71E-04	--	7.64E-05	1.96E-03	2.24E-04	--	--
LA	LA-TA-48-01	8.32	2.82E-08	8.13E-06	--	--	1.73E-04	--	4.58E-01	5.28E-02	--	4.19E-06	--	--	4.82E-03	1.72E-05	8.14E-12	7.79E-03	1.96E-04	5.25E-06	2.80E-05	6.40E-12
LA	LA-TA-50-01	0.83	1.68E-09	2.80E-06	--	--	3.28E-06	--	6.53E-04	--	--	--	--	--	4.97E-08	1.58E-05	--	1.40E-07	1.80E-04	3.43E-06	--	--

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-50-02	0.62	3.32E-09	--	--	--	6.68E-06	--	2.63E-02	--	--	--	--	--	1.01E-07	1.12E-05	--	2.86E-07	1.27E-04	6.26E-07	--	--
LA	LA-TA-50-05	0.21	1.88E-09	--	--	--	3.66E-06	--	1.11E-01	1.37E-03	--	--	--	--	5.54E-08	9.99E-07	2.11E-13	1.57E-07	1.14E-05	1.28E-06	7.25E-07	--
LA	LA-TA-50-06	3.55	1.29E-06	--	--	--	2.55E-03	--	2.74E+00	7.52E-01	--	2.97E-03	--	--	3.87E-05	1.08E-04	1.16E-10	1.09E-04	1.24E-03	3.15E-05	4.00E-04	4.54E-09
LA	LA-TA-50-10	21.01	2.29E-06	--	--	--	4.43E-03	--	7.59E+01	8.33E+00	--	1.47E-03	--	--	6.72E-05	6.06E-03	1.29E-09	1.90E-04	6.94E-02	1.25E-03	4.42E-03	1.35E-02
LA	LA-TA-50-11	1.04	3.48E-08	--	--	--	6.84E-05	--	1.89E+00	1.97E-01	--	3.25E-05	--	--	1.04E-06	2.41E-06	3.06E-11	2.94E-06	2.75E-05	2.17E-05	1.05E-04	4.97E-11
LA	LA-TA-50-12	13.21	1.72E-09	--	--	--	3.61E-06	--	6.99E-02	--	--	--	--	--	5.50E-08	1.25E-03	--	1.55E-07	2.82E-02	8.04E-07	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	--	--	--	--	--	--	--	--	3.18E-07	--	--	3.63E-06	--	--	--
LA	LA-TA-50-14	0.42	5.64E-09	--	--	--	1.14E-05	--	1.17E-02	--	--	--	--	--	1.73E-07	1.15E-07	--	4.90E-07	1.32E-06	1.34E-07	--	--
LA	LA-TA-50-15	142.15	1.62E-06	--	--	--	3.23E-03	--	2.79E+01	2.85E+00	--	5.27E-04	--	--	4.91E-05	9.37E-03	4.43E-10	1.39E-04	1.07E-01	1.96E-03	1.52E-03	1.48E-07
LA	LA-TA-50-16	13.23	5.25E-08	3.19E-03	--	--	3.67E-03	--	4.76E-01	3.19E-02	--	8.53E-06	--	--	5.57E-05	1.15E-04	4.94E-12	1.57E-04	1.32E-03	5.46E-06	1.70E-05	1.30E-11
LA	LA-TA-50-17	329.02	4.56E-05	1.60E-09	--	--	9.17E-02	--	3.26E+02	--	--	1.91E-06	--	--	8.70E-03	6.64E-03	--	1.57E-02	7.57E-02	1.17E-02	--	1.80E-05
LA	LA-TA-50-18	100.26	1.12E-05	--	--	--	2.30E-02	--	2.24E+02	3.22E-02	--	--	--	--	1.22E-02	8.20E-04	5.00E-12	2.01E-02	9.35E-03	2.59E-03	1.71E-05	--
LA	LA-TA-50-19	897.31	2.78E-05	2.61E-05	--	--	5.72E-02	--	2.03E+02	4.60E-01	--	1.33E-04	--	--	8.72E-04	3.34E-03	7.16E-11	2.46E-03	3.81E-02	2.46E-03	2.45E-04	1.20E-05
LA	LA-TA-50-20	0.62	6.00E-10	--	--	--	1.22E-06	--	4.52E-03	--	--	--	--	--	1.85E-08	--	--	5.22E-08	--	5.20E-08	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	4.54E-04	--	--	--	--	--	--	--	--	--	--	5.22E-09	--	--
LA	LA-TA-50-41	35.91	1.98E-08	--	--	--	3.80E-05	--	1.19E+00	1.29E-01	--	2.12E-05	--	--	5.77E-07	1.44E-06	1.99E-11	1.63E-06	1.64E-05	1.37E-05	6.84E-05	3.24E-11
LA	LA-TA-54-01	18.90	5.78E-09	4.50E-06	--	--	1.30E-05	--	7.09E-02	6.82E-03	--	1.12E-06	--	--	1.97E-07	2.11E-05	1.05E-12	5.56E-07	2.41E-04	1.28E-06	3.62E-06	1.71E-12
LA	LA-TA-55-01	1.04	9.58E-08	--	--	--	1.85E-04	--	3.29E+00	3.60E-01	--	5.91E-05	--	--	2.80E-06	1.61E-04	5.56E-11	7.93E-06	1.84E-03	3.78E-05	1.91E-04	9.03E-11
LA	LA-TA-55-02	1.87	1.37E-07	2.68E-06	--	--	2.78E-04	--	4.68E+00	5.12E-01	--	8.32E-05	--	--	4.22E-06	7.51E-05	7.90E-11	1.19E-05	8.59E-04	8.71E-05	2.71E-04	3.39E-05
LA	LA-TA-55-03	65.14	1.15E-05	2.42E-04	--	--	1.62E-02	--	2.11E+02	2.43E+01	3.61E-06	3.33E-01	2.01E-07	--	2.45E-04	3.82E-02	3.76E-09	6.92E-04	4.36E-01	2.57E-03	1.29E-02	2.34E-06
LA	LA-TA-55-04	22.97	6.00E-07	3.12E-04	--	--	1.17E-03	--	1.99E+01	2.19E+00	--	4.82E-03	--	--	1.78E-05	5.14E-04	3.39E-10	5.03E-05	5.87E-03	2.37E-04	1.16E-03	2.52E-06
LA	LA-TA-55-05	140.52	1.00E-05	1.06E-04	--	--	8.32E-03	--	1.12E+02	1.28E+01	5.79E-06	1.18E-01	9.07E-08	--	1.26E-04	8.53E-02	1.98E-09	3.57E-04	9.74E-01	1.85E-03	6.81E-03	2.56E-05
LA	LA-TA-55-06	1.04	3.85E-08	--	--	--	7.43E-05	--	1.31E+00	1.44E-01	--	2.39E-05	--	--	1.13E-06	1.59E-06	2.23E-11	3.19E-06	1.82E-05	1.53E-05	7.65E-05	2.63E-09
LA	LA-TA-55-07	10.40	1.51E-06	1.03E-05	--	--	2.97E-03	--	3.31E+01	3.85E+00	--	1.80E-01	1.87E-07	--	4.50E-05	3.46E-03	5.95E-10	1.27E-04	3.95E-02	5.05E-04	2.04E-03	1.20E-06
LA	LA-TA-55-08	25.78	3.94E-06	--	--	--	5.86E-04	--	1.01E+01	1.11E+00	3.64E-06	2.11E-04	--	--	8.89E-06	3.71E-03	1.71E-10	2.51E-05	4.23E-02	1.16E-04	5.88E-04	3.23E-10
LA	LA-TA-55-09	6.24	4.94E-07	2.47E-06	--	--	9.57E-04	--	1.32E+01	1.50E+00	--	1.83E-02	8.86E-10	--	1.45E-05	1.55E-02	2.32E-10	4.10E-05	1.77E-01	1.63E-04	7.98E-04	7.08E-05
LA	LA-TA-55-10	3.74	3.22E-07	1.11E-06	--	--	6.31E-04	--	8.39E+00	9.46E-01	--	1.33E-02	--	--	9.57E-06	2.47E-03	1.46E-10	2.70E-05	2.83E-02	1.03E-04	5.02E-04	2.04E-08
LA	LA-TA-55-11	2.91	7.69E-08	5.30E-07	--	--	1.60E-04	--	2.42E+00	2.67E-01	--	4.38E-04	--	--	2.43E-06	1.19E-03	4.12E-11	6.88E-06	1.36E-02	2.93E-05	1.42E-04	6.69E-10
LA	LA-TA-55-12	6.90	6.94E-06	--	--	--	1.26E-04	--	5.56E-01	8.84E-02	6.86E-06	1.24E-04	--	--	1.91E-06	1.37E-02	1.37E-11	5.39E-06	1.57E-01	2.36E-04	4.69E-05	8.75E-07
LA	LA-TA-55-14	641.77	6.34E-03	--	--	--	1.25E+01	--	6.05E+03	6.95E+02	--	6.31E+00	4.86E-06	--	1.90E-01	7.48E-02	1.07E-07	5.37E-01	8.54E-01	7.84E-02	3.69E-01	3.81E-03
LA	LA-TA-55-15	18.30	1.26E-05	--	--	--	2.44E-02	--	4.00E+02	4.50E+01	--	9.24E-03	--	--	3.70E-04	3.32E-02	6.96E-09	1.04E-03	3.79E-01	4.59E-03	2.39E-02	1.41E-08
LA	LA-TA-55-17B	22.24	1.13E-07	--	--	--	2.17E-04	--	3.87E+00	4.23E-01	--	6.94E-05	--	--	3.30E-06	1.74E-04	6.53E-11	9.32E-06	1.98E-03	4.44E-05	2.25E-04	1.06E-10
LA	LA-TA-55-18	2.50	1.10E-07	--	--	--	2.13E-04	--	1.37E+01	6.73E-01	--	5.36E-03	5.07E-09	--	3.23E-06	4.37E-03	1.04E-10	9.13E-06	4.98E-02	1.58E-04	3.58E-04	8.20E-09
LA	LA-TA-55-19	4612.83	1.38E-04	3.02E-03	--	--	2.50E-01	--	3.57E+03	4.73E+02	1.34E-05	3.37E+00	2.95E-06	--	5.26E-02	6.16E-01	1.06E-07	8.95E-02	7.02E+00	5.09E-02	2.53E-01	7.86E-03
LA	LA-TA-55-19.01-S	81.42	8.97E-06	1.70E-03	--	--	2.12E-02	--	1.87E+02	2.13E+01	--	1.64E-01	--	--	3.21E-04	1.07E-02	3.28E-09	9.08E-04	1.22E-01	2.37E-03	1.13E-02	3.87E-04
LA	LA-TA-55-19.02-S	228.99	5.03E-05	3.02E-02	--	--	1.18E-01	--	6.12E+02	7.88E+01	--	1.22E+00	--	--	4.49E-03	7.63E-02	2.06E-05	9.42E-03	8.55E-01	7.97E-03	4.18E-02	1.53E-03
LA	LA-TA-55-20	55.14	4.73E-06	1.60E-04	--	--	1.07E-02	--	1.41E+02	1.65E+01	--	3.93E-01	1.51E-07	--	1.62E-04	6.55E-02	2.56E-09	4.58E-04	7.48E-01	2.13E-03	8.78E-03	8.99E-05
LA	LA-TA-55-21	174.32	1.33E-05	3.21E-05	--	--	2.62E-02	--	5.13E+02	6.47E+01	--	1.96E-01	1.60E-07	--	3.99E-04	1.04E-01	1.01E-08	1.13E-03	1.19E+00	6.57E-03	3.45E-02	3.02E-03
LA	LA-TA-55-22	88.96	2.52E-06	2.68E-05	--	--	4.95E-03	--	6.75E+01	7.70E+00	--	2.02E-02	1.88E-08	--	7.51E-05	9.53E-02	1.19E-09	2.12E-04	1.09E+00	7.89E-04	4.09E-03	6.65E-06
LA	LA-TA-55-23	34.32	3.66E-06	7.94E-06	--	--	7.23E-03	--	1.57E+02	1.88E+01	--	5.93E-03	--	--	1.10E-04	6.78E-03	2.92E-09	3.10E-04	7.73E-02	1.83E-03	1.00E-02	4.33E-07
LA	LA-TA-55-24	5.20	3.96E-07	2.49E-05	--	--	1.02E-03	--	1.64E+01	1.81E+00	--	3.81E-04	--	--	1.54E-05	3.06E-03	2.80E-10	4.36E-05	3.49E-02	3.34E-04	9.62E-04	3.16E-05
LA	LA-TA-55-25	15.65	2.06E-06	1.91E-05	--	--	4.06E-03	--	1.05E+02	1.05E+01	--	1.65E-01	1.58E-07	--	6.18E-05	2.28E-02	1.63E-09	1.74E-04	2.60E-01	1.20E-03	5.61E-03	2.53E-07
LA	LA-TA-55-26	2.29	4.44E-07	--	--	--	8.74E-04	--	1.34E+00	2.40E-01	--	8.88E-02	8.57E-08	--	1.33E-05	3.91E-03	3.72E-11	3.75E-05	4.46E-02	1.54E-05	1.28E-04	1.36E-07
LA	LA-TA-55-27	0.42	3.10E-10	--	--	--	6.04E-07	--	1.90E-02	2.05E-03	--	3.37E-07	--	--	9.19E-09	2.29E-08	3.17E-13	2.60E-08	2.61E-07	2.18E-07	1.09E-06	5.15E-13
LA	LA-TA-55-28	1.04	3.32E-08	--	--	--	6.35E-05	--	3.58E+00	2.05E-01	--	3.36E-05	--	--	9.64E-07	2.31E-06	3.17E-11	2.72E-06	2.64E-05	4.12E-05	1.09E-04	5.14E-11
LA	LA-TA-55-29	8.32	3.81E-07	--	--	--	7.33E-04	--	3.79E+00	6.00E-01	--	4.66E-02	3.62E-08	--	1.11E-05	7.51E-02	9.28E-11	3.14E-05	8.58E-01	4.35E-05	3.19E-04	7.13E-08
LA	LA-TA-55-30	2262.94	2.39E-04	3.91E-03	--	--	4.78E-01	--	6.52E+03	8.15E+02	--	8.68E+00	7.73E-06	--	8.42E-03	1.29E+00	8.23E-07	2.24E-02	1.47E+01	8.21E-02	4.34E-01	7.93E-02
LA	LA-TA-55-30-S	95.32	1.49E-05	2.54E-03	--	--	3.66E-02	--	1.85E+02	2.40E+01	--	5.88E-02	--	--	6.18E-03	2.25E-03	3.28E-05	1.07E-02	2.58E-02	2.34E-03	1.28E-02	5.58E-04
LA	LA-TA-55-31	76.03	9.14E-06	3.42E-06	--	--	1.77E-02	--	3.58E+02	4.26E+01	--	1.04E+00	9.89E-07	--	2.69E-04	1.95E-03	6.62E-09	7.59E-04	2.23E-02	4.29E-03	2.27E-02	1.74E-05
LA	LA-TA-55-32	8.36	8.31E-07	--	--	--	1.64E-03	--	1.56E+01	2.06E+00	--	1.48E-02	1.31E-08	--	2.49E-05	1.05E-01	3.25E-10	7.03E-05	1.20E+00	2.55E-04	1.11E-03	7.28E-07
LA	LA-TA-55-33	2.50	4.14E-08	--	--	--	8.08E-05	--	6.41E-01	1.44E-01	--	1.24E-04	--	--	1.23E-06	3.21E-06	2.24E-11	3.47E-06	3.67E-05	7.37E-06	7.68E-05	1.90E-10
LA	LA-TA-55-34	70.51	3.84E-05	--	--	--	7.57E-02	--	1.37E+03	1.59E+02	--	1.39E-01	9.66E-08	--	6.87E-03	3.42E-03	2.47E-08	1.25E-02	3.95E-02	1.63E-02	8.46E-02	2.80E-02
LA	LA-TA-55-35	1.46	1.14E-05	--	--	--	2.26E-02	--	2.27E+01	2.49E+00	--	8.50E-03	7.78E-09	--	3.44E-04	5.25E-05	3.85E-10	9.71E-04	6.00E-04	2.66E-04	1.32E-03	6.86E-08
LA	LA-TA-55-36	78.02	7.85E-04	--	--	--	1.57E+00	--	8.34E+02	9.28E+01	--	5.70E-01	4.76E-07	--	2.38E-02	1.22E-02	1.44E-08	6.72E-02	1.40E-01	1.02E-02	4.93E-02	1.85E-02
LA	LA-TA-55-37	3.33	6.33E-06	--	--	--	1.25E-02	--	1.51E+01	1.94E+00	--	6.65E-04	--	--	1.89E-04	3.23E-03	3.00E-10	5.35E-04	3.76E-02	1.70E-03	1.03E-03	4.50E-02
LA	LA-TA-55-38	374.82	9.81E-04	1.55E-01	--	--	1.98E+00	--	4.92E+03	6.27E+02	--	1.80E+00	1.44E-06	--	8.73E-02	1.18E-01	2.30E-03	1.77E-01	1.35E+00	6.35E-02	3.34E-01	2.71E-01
LA	LA-TA-55-39	69.26	4.34E-05	--	--	--	8.45E-02	--	2.54E+03	2.75E+02	--	2.67E-01	2.07E-07	--	1.28E-03	3.75E-03	4.27E-08	3.63E-03	4.28E-02	2.92E-02	1.46E-01	4.46E-07
LA	LA-TA-55-40	1.25	1.19E-05	--	--	--	2.36E-02	--	1.70E+01	1.91E+00	--	4.88E-03	4.35E-09	--	3.59E-04	2.80E-05	2.95E-10	1.01E-03	3.19E-04	1.96E-04	1.01E-03	7.46E-09

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-41	18.95	1.58E-04	--	--	--	3.11E-01	--	2.74E+02	3.06E+01	1.94E-06	3.64E-01	3.46E-07	--	4.72E-03	6.88E-04	4.74E-09	1.33E-02	7.85E-03	3.15E-03	1.63E-02	5.57E-07
LA	LA-TA-55-42	0.62	2.59E-08	--	--	--	4.98E-05	--	1.09E-01	2.55E-02	--	5.88E-05	--	--	7.56E-07	7.51E-03	3.94E-12	2.14E-06	8.58E-02	1.25E-06	1.35E-05	8.99E-11
LA	LA-TA-55-43	13.82	2.44E-07	7.63E-07	--	--	4.85E-04	--	7.04E+00	9.31E-01	--	5.94E-04	--	--	7.38E-06	2.22E-02	1.50E-06	2.08E-05	2.54E-01	8.11E-05	4.95E-04	9.09E-10
LA	LA-TA-55-43.01-S	190.89	7.31E-08	5.61E-06	--	--	1.79E-04	--	3.49E-01	2.64E-01	--	5.24E-04	--	--	2.72E-06	2.03E-02	4.58E-06	7.68E-06	2.32E-01	4.01E-06	1.40E-04	8.00E-10
LA	LA-TA-55-44	0.42	6.38E-09	--	--	--	1.20E-05	--	2.36E-01	3.03E-02	--	1.23E-05	--	--	1.83E-07	4.85E-07	4.68E-12	5.16E-07	5.54E-06	2.71E-06	1.61E-05	1.88E-11
LA	LA-TA-55-46	0.21	1.01E-11	--	--	--	1.97E-08	--	3.81E-05	8.95E-06	--	2.05E-08	--	--	3.00E-10	2.59E-06	1.39E-15	8.47E-10	2.96E-05	4.37E-10	4.76E-09	3.13E-14
LA	LA-TA-55-47	2.10	3.59E-10	--	--	--	6.87E-07	--	2.10E-02	2.27E-03	--	4.05E-07	--	--	1.04E-08	4.38E-06	3.51E-13	2.94E-08	5.00E-05	2.41E-07	1.21E-06	6.19E-13
LA	LA-TA-55-50	2.93	5.09E-09	--	--	--	9.82E-06	--	1.24E-01	1.52E-02	--	4.96E-06	--	--	1.49E-07	8.00E-05	2.35E-12	4.21E-07	9.14E-04	1.43E-06	8.07E-06	7.59E-12
LA	LA-TA-55-53	11.86	7.33E-06	--	--	--	1.41E-02	--	2.28E+02	2.60E+01	--	5.38E-03	--	--	2.13E-04	3.11E-04	4.01E-09	6.04E-04	3.56E-03	2.62E-03	1.38E-02	8.22E-09
LA	LA-TA-55-54	1.04	2.16E-07	--	--	--	4.26E-04	--	6.02E+00	7.81E-01	--	3.18E-04	--	--	6.48E-06	2.30E-04	1.21E-10	1.83E-05	2.62E-03	6.92E-05	4.16E-04	4.87E-10
LA	LA-TA-55-56	9.36	3.83E-06	4.72E-05	--	--	8.09E-03	--	1.21E+02	1.38E+01	--	2.78E-03	--	--	1.23E-04	8.67E-04	2.15E-09	3.47E-04	9.89E-03	1.44E-03	7.36E-03	3.21E-07
LA	LA-TA-55-60	128.52	8.94E-07	--	--	--	5.44E-03	--	9.53E+00	1.52E+00	--	3.96E-01	3.82E-07	--	8.27E-05	3.76E-04	2.36E-10	2.34E-04	4.28E-03	1.10E-04	8.08E-04	9.60E-07
LA	LA-TA-55-61	198.45	8.61E-07	--	--	--	1.68E-03	--	1.91E+01	3.01E+00	--	1.75E-02	1.50E-08	--	2.56E-05	1.97E-03	4.68E-10	7.23E-05	2.25E-02	2.20E-04	1.60E-03	2.67E-08
LA	LA-TA-55-62	43.47	5.19E-08	--	--	--	1.02E-04	--	7.36E-01	1.63E-01	--	1.54E-04	--	--	1.54E-06	4.37E-06	2.53E-11	4.36E-06	4.98E-05	8.46E-06	8.67E-05	2.35E-10
LA	LA-TA-55-63	3.78	2.87E-09	--	--	--	5.55E-06	--	1.74E-01	1.88E-02	--	3.09E-06	--	--	8.43E-08	2.10E-07	2.91E-12	2.38E-07	2.39E-06	2.00E-06	9.99E-06	4.73E-12
LB	LB-T001	1.82	1.70E-04	3.19E-04	--	--	3.06E-04	--	2.72E-03	2.95E-04	1.69E-04	7.34E-05	6.52E-10	--	3.13E-03	1.06E-05	9.09E-09	5.06E-03	2.40E-04	6.50E-08	1.57E-07	8.55E-03
LL	BLCHDN.001-S	1.66	4.95E-04	8.72E-04	--	--	9.16E-04	--	3.59E-04	2.10E-04	4.94E-04	--	--	--	1.39E-05	2.73E-06	3.24E-14	3.92E-05	3.12E-05	2.20E-09	1.11E-07	--
LL	LL-M001	346.58	2.11E-02	1.16E-01	--	--	2.20E-01	1.91E-19	3.84E+02	6.68E+01	2.10E-02	1.02E-01	1.17E-06	--	2.30E-01	1.94E-02	5.07E-06	3.74E-01	2.19E-01	5.13E-03	3.54E-02	2.16E-03
LL	LL-M001-S5400-S	143.14	1.34E-03	5.29E-03	--	--	1.46E-01	--	4.48E+02	5.81E+01	1.30E-03	3.11E-02	--	--	2.21E-03	1.27E-02	8.95E-09	6.24E-03	1.46E-01	5.64E-03	3.08E-02	3.54E-03
LL	LL-T004	1.25	2.06E-06	--	--	--	4.07E-03	--	2.95E+00	6.64E-01	--	1.18E-03	--	--	6.16E-05	4.73E-05	1.02E-10	1.74E-04	5.40E-04	3.39E-05	3.52E-04	1.80E-09
LL	LL-W018a	590.42	8.94E+00	5.30E-04	--	--	2.13E+00	--	5.93E+01	1.45E-01	8.93E+00	1.95E-05	9.77E-17	--	4.17E-01	5.37E-02	2.24E-11	7.12E-01	6.15E-01	7.35E-04	7.70E-05	3.68E-03
LL	LL-W018b	34.76	2.45E-07	--	--	--	4.73E-04	--	1.05E+00	1.45E-01	--	8.81E-05	--	--	7.16E-06	4.02E-06	2.24E-11	2.03E-05	4.60E-05	1.21E-05	7.70E-05	1.35E-10
LL	LL-W019	15.81	4.28E-06	8.75E-07	--	--	9.60E-03	--	4.87E+01	6.39E+00	--	3.68E-03	--	--	6.22E-01	6.76E-04	9.84E-10	1.01E+00	7.75E-03	1.15E-03	3.38E-03	1.18E-03
MC	MC-W001	0.21	--	--	--	--	3.94E-05	--	3.78E-03	--	--	--	--	--	5.99E-07	--	--	1.69E-06	--	4.35E-08	--	--
NT	NT-JAS-01	2830.77	6.43E-05	--	--	--	1.24E-01	--	2.10E+02	7.84E+01	--	--	--	--	1.87E-03	6.07E-03	1.21E-08	5.30E-03	6.94E-02	2.41E-03	4.16E-02	--
NT	NTLBL-S5400-S	1.66	1.91E-05	2.26E-03	--	--	9.08E-04	--	5.05E-01	5.35E-02	1.90E-05	2.08E-05	--	--	1.38E-05	4.54E-06	8.24E-12	3.89E-05	5.19E-05	5.78E-06	2.83E-05	3.17E-11
NT	NTLRC-S5400-S	3.12	6.19E-07	1.37E-05	--	--	1.44E-03	--	5.39E+00	9.12E-01	--	2.88E-04	--	--	2.18E-05	3.95E-04	1.41E-10	6.15E-05	4.52E-03	2.10E-04	4.84E-04	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	5.54E-07	3.58E-07	--	--	1.10E-03	--	1.82E+01	1.90E+00	--	4.23E-04	--	--	3.54E-03	1.06E-04	2.93E-10	5.73E-03	1.22E-03	2.26E-04	1.01E-03	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	5.82E-07	--	--	--	1.14E-03	--	2.91E+01	2.49E+00	--	5.16E-04	--	--	1.73E-05	4.20E-05	3.84E-10	4.90E-05	4.81E-04	3.33E-04	1.32E-03	2.84E-05
NT	NT-RF-METAL-S	6.03	1.28E-07	1.06E-06	--	--	2.55E-04	--	5.05E+00	5.77E-01	--	1.33E-04	--	--	3.86E-06	3.83E-03	8.88E-11	1.09E-05	4.41E-02	8.52E-05	3.06E-04	2.23E-02
NT	NTS54332R0-S	307.24	1.16E-04	5.06E-03	--	--	4.58E-02	--	2.76E+02	3.34E+01	9.98E-05	1.02E-02	--	--	1.30E-01	3.16E-03	5.14E-09	2.10E-01	3.62E-02	1.00E+00	1.77E-02	1.01E-02
NT	NTS54COMR0-S	50.35	3.56E-04	8.17E-03	--	--	1.26E-02	--	3.84E+01	4.24E+00	3.52E-04	1.81E-03	--	--	1.55E-01	8.42E-04	6.53E-10	2.50E-01	9.64E-03	4.53E-04	2.25E-03	8.79E-04
NT	NTS54MIX1R0-S	0.42	4.37E-10	3.73E-05	--	--	1.63E-06	--	2.17E-02	2.41E-03	--	6.71E-07	--	--	2.47E-08	1.28E-08	3.71E-13	6.98E-08	1.46E-07	2.49E-07	1.28E-06	1.02E-12
NT	NT-W001	291.38	1.20E-04	2.26E-01	--	--	3.22E-02	--	9.89E+02	3.06E+00	1.05E-04	4.06E-02	4.76E-07	--	5.08E-01	2.35E-03	4.74E-10	8.20E-01	2.68E-02	1.14E-02	1.63E-03	7.32E-05
NT	NT-W021	9.58	1.06E-06	--	--	--	2.06E-03	--	4.08E+01	4.31E+00	--	1.08E-03	--	--	3.12E-05	2.65E-03	6.67E-10	8.83E-05	3.07E-02	1.04E-03	2.29E-03	2.97E-02
OR	OR-W201	2083.28	5.14E-02	4.51E-01	--	--	3.62E+00	--	2.24E+03	1.41E+03	4.96E-02	2.04E+00	1.03E-05	--	7.84E+01	5.17E+00	1.08E-03	1.26E+02	5.90E+01	3.58E-02	1.47E+00	1.75E-01
OR	OR-W202	720.66	1.96E-03	2.08E+00	--	--	1.01E+00	--	1.60E+02	6.95E+01	1.90E-03	2.07E-01	1.38E-05	--	5.67E+01	8.50E-02	1.37E-03	9.15E+01	9.13E-01	6.25E-03	3.71E-02	2.74E-02
OR	OR-W203	386.56	7.35E-05	9.71E-02	--	--	9.14E-04	--	7.54E-02	1.19E+00	7.29E-05	6.08E-02	6.17E-07	--	1.38E-05	8.04E-05	1.83E-10	3.92E-05	9.20E-04	6.52E-07	6.31E-04	7.60E-08
OR	OR-W204	18.10	7.48E-05	1.23E-04	--	--	3.11E-05	--	1.17E-01	3.52E-02	7.47E-05	6.61E-07	--	--	6.25E-02	1.99E-05	5.45E-12	1.01E-01	2.29E-04	2.11E-05	1.87E-05	1.50E-04
OR	OR-W205	101.71	1.56E-05	--	--	--	3.09E-02	--	2.15E+02	4.39E+01	--	9.59E-03	--	--	5.27E-03	4.96E-01	7.36E-06	9.07E-03	5.66E+00	2.93E-03	2.33E-02	6.02E-03
RF	RF001.01-S	979.16	1.95E-04	4.61E-04	--	--	4.30E-01	--	2.52E+03	2.70E+02	--	1.16E-01	--	--	5.12E-02	2.16E-02	4.17E-08	9.05E-02	2.47E-01	3.85E-02	1.43E-01	2.21E-03
RF	RF002.01-S	1461.40	1.96E-04	4.13E-04	--	--	3.87E-01	--	3.30E+03	3.59E+02	--	1.20E-01	--	--	1.88E-02	1.82E-02	5.53E-08	3.75E-02	2.12E-01	4.49E-02	1.90E-01	2.83E-01
RF	RF003.01-S	355.39	3.60E-04	--	--	--	6.98E-01	--	9.50E+03	1.06E+03	--	2.88E-01	--	--	1.66E-02	1.81E-02	1.64E-07	3.95E-02	2.07E-01	1.10E-01	5.62E-01	1.30E-03
RF	RF004.01-S	282.97	3.24E-05	3.45E-07	--	--	6.36E-02	--	5.15E+02	5.50E+01	--	1.88E-02	--	--	9.64E-04	2.77E-03	8.48E-09	2.72E-03	3.17E-02	6.56E-03	2.91E-02	7.54E-04
RF	RF005.01-S	119.39	5.78E-04	--	--	--	1.14E+00	--	3.58E+03	4.25E+02	--	9.93E-02	--	--	1.72E-02	6.71E-03	6.56E-08	4.87E-02	7.67E-02	4.12E-02	2.25E-01	1.52E-07
RF	RF005.02-S	78.42	6.87E-04	--	--	--	1.35E+00	--	2.17E+03	2.64E+02	--	6.34E-02	--	--	2.04E-02	3.99E-03	4.07E-08	5.77E-02	4.56E-02	2.49E-02	1.40E-01	2.68E-07
RF	RF006.01-S	235.66	2.86E-04	--	--	--	5.58E-01	--	6.90E+03	7.69E+02	--	2.92E-01	--	--	8.47E-03	1.61E-02	1.19E-07	2.39E-02	1.84E-01	7.95E-02	4.09E-01	1.83E-06
RF	RF008.01-S	97.15	1.37E-04	--	--	--	2.78E-01	--	2.54E+03	3.22E+02	--	1.34E-01	--	--	4.22E-03	6.40E-03	4.96E-08	1.19E-02	7.31E-02	2.92E-02	1.71E-01	2.79E-07
RF	RF009.01-S	1326.87	7.30E-03	--	--	--	1.46E+01	--	4.12E+04	4.72E+03	--	1.34E+00	--	--	2.22E-01	6.36E-02	7.28E-07	6.26E-01	7.27E-01	4.73E-01	2.50E+00	4.76E-06
RF	RF010.01-S	629.55	2.13E-04	1.60E-05	--	--	4.17E-01	--	4.69E+03	5.05E+02	--	1.56E-01	--	--	6.32E-03	1.85E-02	7.78E-08	1.79E-02	2.12E-01	5.78E-02	2.68E-01	3.58E-03
RF	RF011.01-S	79.52	3.68E-05	--	--	--	7.10E-02	--	1.11E+03	1.24E+02	--	3.01E-02	--	--	1.08E-03	2.04E-03	1.90E-08	3.04E-03	2.34E-02	1.28E-02	6.55E-02	4.26E-06
RF	RF015.01-S	1.66	7.00E-07	--	--	--	1.42E-03	--	1.41E+01	1.51E+00	--	5.71E-04	--	--	2.15E-05	3.00E-05	2.33E-10	6.08E-05	3.43E-04	1.61E-04	8.03E-04	8.73E-10
RF	RF029.01-S	4346.98	3.52E-04	5.64E-04	--	--	6.97E-01	--	5.13E+03	5.70E+02	--	2.17E-01	1.11E-13	--	1.06E-02	1.85E-02	8.78E-08	2.99E-02	2.11E-01	6.15E-02	3.02E-01	1.26E-03
RF	RF031.01-S	20.59	1.77E-06	--	--	--	3.43E-03	--	3.61E+01	3.85E+00	--	1.30E-03	--	--	5.20E-05	1.49E-04	5.94E-10	1.47E-04	1.70E-03	4.43E-04	2.04E-03	4.10E-05
RF	RF032.01-S	209.25	3.05E-04	--	--	--	6.12E-01	--	6.46E+03	6.99E+02	--	1.49E-01	--	--	9.27E-03	1.01E-02	1.08E-07	2.62E-02	1.16E-01	7.41E-02	3.70E-01	7.31E-07
RF	RF033.01-S	25.58	2.20E-05	--	--	--	4.28E-02	--	5.99E+02	6.44E+01	--	1.81E-02	--	--	6.48E-04	1.12E-03	9.93E-09	1.83E-03	1.28E-02	6.88E-03	3.41E-02	6.00E-05
RF	RF036.01-S	44.10	9.80E-06	3.17E-05	--	--	1.90E-02	--	1.98E+02	2.13E+01	--	8.03E-03	--	--	2.88E-04	6.34E-04	3.29E-09	8.14E-04	7.28E-03	2.38E-03	1.13E-02	2.98E-03
RF	RF101.01-S	174.96	6.05E-05	4.12E-04	--	--	1.18E-01	--	1.26E+03	1.36E+02	--	4.53E-02	--	--	1.79E-03	6.10E-03	2.11E-08	5.05E-03	6.97E-02	1.59E-02	7.24E-02	8.54E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF101.29-S	30.39	5.36E-06	--	--	--	1.04E-02	--	1.17E+02	1.26E+01	--	4.16E-03	--	--	1.58E-04	7.15E-04	1.94E-09	4.47E-04	8.17E-03	1.52E-03	6.67E-03	2.04E-04
RF	RF101.30-S	117.41	4.85E-05	1.22E-04	--	--	9.59E-02	--	6.58E+02	7.14E+01	--	2.49E-02	--	--	1.45E-03	2.63E-03	1.10E-08	4.11E-03	3.01E-02	8.08E-03	3.79E-02	1.85E-04
RF	RF101.31-S	62.53	9.93E-06	5.32E-06	--	--	1.94E-02	--	1.75E+02	1.92E+01	--	8.10E-03	--	--	2.94E-04	8.18E-04	2.96E-09	8.32E-04	9.35E-03	2.19E-03	1.02E-02	8.29E-05
RF	RF101.35-S	79.56	3.38E-05	--	--	--	6.71E-02	--	4.78E+02	5.15E+01	--	2.05E-02	--	--	1.02E-03	8.13E-03	7.94E-09	2.87E-03	9.29E-02	8.20E-03	2.73E-02	2.19E-04
RF	RF102.01-S	223.63	2.58E-05	7.78E-05	--	--	5.08E-02	--	4.29E+02	4.72E+01	--	1.74E-02	--	--	7.69E-04	1.29E-03	7.27E-09	2.18E-03	1.47E-02	5.06E-03	2.50E-02	3.99E-04
RF	RF102.31-S	124.09	1.92E-05	7.52E-06	--	--	3.79E-02	--	2.06E+02	2.25E+01	--	8.31E-03	--	--	5.74E-04	1.11E-03	3.46E-09	1.62E-03	1.27E-02	2.64E-03	1.19E-02	2.14E-03
RF	RF104.01-S	54.38	1.72E-05	8.90E-05	--	--	3.41E-02	--	3.07E+02	3.33E+01	--	9.21E-03	--	--	5.16E-04	5.79E-04	5.13E-09	1.46E-03	6.62E-03	3.54E-03	1.77E-02	1.40E-04
RF	RF107.01-S	63.44	2.76E-04	--	--	--	5.51E-01	--	1.43E+02	1.53E+01	--	5.69E-03	--	--	8.35E-03	1.83E-03	2.35E-09	2.36E-02	2.18E-02	2.75E-03	8.10E-03	5.98E-02
RF	RF107.03-S	60.94	1.94E-06	--	--	--	3.85E-03	--	1.73E+01	1.86E+00	--	6.95E-04	--	--	5.83E-05	7.46E-03	2.87E-10	1.65E-04	9.48E-02	9.33E-03	9.86E-04	6.86E-01
RF	RF107.04-S	110.31	7.68E-06	--	--	--	1.53E-02	--	6.24E+01	6.67E+00	--	2.48E-03	--	--	2.31E-04	3.27E-04	1.03E-09	6.54E-04	3.96E-03	9.26E-04	3.54E-03	1.54E-02
RF	RF107.05-S	4.37	8.79E-07	--	--	--	1.70E-03	--	1.53E+01	1.64E+00	--	6.11E-04	--	--	2.58E-05	8.70E-04	2.53E-10	7.30E-05	9.94E-03	4.93E-04	8.68E-04	2.81E-06
RF	RF107.06-S	14.35	1.02E-07	--	--	--	1.94E-04	--	2.29E+00	2.45E-01	--	9.10E-05	--	--	2.94E-06	2.26E-04	3.77E-11	8.31E-06	2.86E-03	2.90E-04	1.30E-04	2.01E-02
RF	RF107.07-S	58.88	4.36E-05	6.62E-04	--	--	8.59E-02	--	5.43E+02	5.84E+01	--	2.19E-02	--	--	1.30E-03	1.28E-02	8.99E-09	3.68E-03	1.46E-01	1.06E-02	3.09E-02	2.20E-03
RF	RF110.01-S	9.15	8.60E-06	6.72E-04	--	--	1.68E-02	--	9.39E+01	1.01E+01	--	6.44E-03	--	--	2.54E-04	2.71E-04	1.56E-09	7.19E-04	3.10E-03	1.11E-03	5.36E-03	1.94E-04
RF	RF110.05-S	31.53	1.24E-05	--	--	--	2.40E-02	--	3.46E+02	3.68E+01	--	1.01E-02	--	--	3.64E-04	1.07E-03	5.68E-09	1.03E-03	1.23E-02	4.13E-03	1.95E-02	1.67E-05
RF	RF113.01-S	0.42	1.26E-08	--	--	--	2.50E-05	--	2.78E-01	2.97E-02	--	1.11E-05	--	--	3.78E-07	5.77E-07	4.58E-12	1.07E-06	6.60E-06	3.18E-06	1.58E-05	1.69E-11
RF	RF115.01-S	114.91	6.76E-05	--	--	--	1.31E-01	--	1.89E+03	2.03E+02	--	4.84E-02	--	--	1.99E-03	3.37E-03	3.14E-08	5.63E-03	3.86E-02	2.18E-02	1.08E-01	6.25E-04
RF	RF116.01-S	3.95	2.69E-06	--	--	--	5.32E-03	--	7.34E+01	7.85E+00	--	1.49E-03	--	--	8.06E-05	8.09E-05	1.21E-09	2.28E-04	9.25E-04	8.42E-04	4.16E-03	2.27E-09
RF	RF117.01-S	1.87	9.42E-07	--	--	--	1.84E-03	--	1.83E+01	1.97E+00	--	7.17E-04	--	--	2.78E-05	1.63E-04	3.03E-10	7.87E-05	1.86E-03	2.57E-04	1.04E-03	4.16E-07
RF	RF118.01-S	1432.29	2.07E-03	4.89E-04	--	--	4.05E+00	--	5.00E+04	6.21E+03	--	2.14E+00	--	--	6.14E-02	1.57E-01	9.58E-07	1.74E-01	1.80E+00	5.82E-01	3.29E+00	2.03E-04
RF	RF119.01-S	24.13	6.40E-06	--	--	--	1.25E-02	--	1.10E+02	1.20E+01	--	4.38E-03	--	--	1.89E-04	2.72E-04	1.84E-09	5.35E-04	3.11E-03	1.28E-03	6.34E-03	2.13E-04
RF	RF121.01-S	45.97	3.59E-05	--	--	--	6.92E-02	--	1.48E+03	1.63E+02	--	3.00E-02	--	--	1.05E-03	2.07E-03	2.51E-08	2.97E-03	2.36E-02	1.70E-02	8.64E-02	2.27E-07
RF	RF122.01-S	35.57	3.50E-05	--	--	--	1.24E-01	--	1.03E+03	1.14E+02	--	3.42E-02	--	--	1.87E-03	1.98E-03	1.76E-08	5.30E-03	2.27E-02	1.18E-02	6.05E-02	5.22E-08
RF	RF122.03-S	4.37	3.73E-06	--	--	--	7.61E-03	--	1.06E+01	1.14E+00	--	4.23E-04	--	--	1.15E-04	8.31E-04	1.75E-10	3.26E-04	9.97E-03	7.28E-04	6.03E-04	3.39E-02
RF	RF122.04-S	54.08	3.53E-05	--	--	--	7.18E-02	--	1.21E+02	1.29E+01	--	4.82E-03	--	--	1.09E-03	3.35E-03	1.99E-09	3.08E-03	4.16E-02	4.88E-03	6.85E-03	2.34E-01
RF	RF122.05-S	16.22	4.10E-07	--	--	--	8.01E-04	--	4.09E+00	4.39E-01	--	1.64E-04	--	--	1.21E-05	1.76E-03	6.76E-11	3.43E-05	2.07E-02	1.10E-03	2.33E-04	3.90E-02
RF	RF122.06-S	7.28	7.69E-06	--	--	--	1.52E-02	--	1.89E+02	2.06E+01	--	6.25E-03	--	--	2.30E-04	3.44E-04	3.18E-09	6.51E-04	3.93E-03	2.18E-03	1.09E-02	2.81E-04
RF	RF123.01-S	9.38	8.80E-06	--	--	--	1.71E-02	--	2.27E+02	2.43E+01	--	4.88E-03	--	--	2.58E-04	3.50E-04	3.75E-09	7.31E-04	3.99E-03	2.61E-03	1.29E-02	1.06E-07
RF	RF123.02-S	0.83	3.13E-09	--	--	--	5.97E-06	--	6.22E-02	6.68E-03	--	2.51E-06	--	--	9.05E-08	2.26E-05	1.03E-12	2.56E-07	2.87E-04	2.77E-05	3.54E-06	2.10E-03
RF	RF123.03-S	12.06	3.50E-05	--	--	--	7.01E-02	--	1.54E+02	1.65E+01	--	6.20E-03	--	--	1.06E-03	3.40E-04	2.55E-09	3.00E-03	3.91E-03	1.79E-03	8.77E-03	1.47E-03
RF	RF123.04-S	44.51	2.93E-05	--	--	--	5.68E-02	--	6.04E+02	6.50E+01	--	2.44E-02	--	--	8.61E-04	1.35E-03	1.00E-08	2.43E-03	1.54E-02	6.96E-03	3.44E-02	2.61E-04
RF	RF124.01-S	94.24	8.74E-06	1.76E-06	--	--	1.81E-02	--	1.85E+02	1.96E+01	--	6.47E-03	--	--	2.75E-04	9.55E-04	3.03E-09	7.78E-04	1.09E-02	2.25E-03	1.04E-02	1.42E-04
RF	RF124.02-S	13.31	2.32E-06	--	--	--	4.57E-03	--	4.99E+01	5.28E+00	--	1.81E-03	--	--	6.93E-05	1.28E-04	8.14E-10	1.96E-04	1.46E-03	5.82E-04	2.80E-03	9.05E-08
RF	RF125.01-S	14.39	2.69E-05	--	--	--	5.65E-02	--	2.89E+02	3.09E+01	--	7.52E-03	--	--	8.55E-04	1.23E-03	4.76E-09	2.42E-03	1.41E-02	3.60E-03	1.64E-02	6.28E-04
RF	RF126.01-S	1.04	7.68E-07	--	--	--	1.47E-03	--	2.90E+01	3.00E+00	--	5.34E-04	--	--	2.23E-05	5.09E-05	4.62E-10	6.31E-05	5.82E-04	3.34E-04	1.59E-03	1.22E-08
RF	RF126.04-S	2.08	1.68E-06	--	--	--	3.24E-03	--	5.30E+01	5.64E+00	--	1.24E-03	--	--	4.91E-05	8.95E-05	8.69E-10	1.39E-04	1.02E-03	6.11E-04	2.99E-03	3.34E-08
RF	RF128.01-S	198.22	1.65E-04	--	--	--	3.19E-01	--	6.37E+03	7.12E+02	--	1.48E-01	--	--	4.83E-03	1.20E-02	1.10E-07	1.37E-02	1.37E-01	7.31E-02	3.78E-01	2.55E-07
RF	RF129.01-S	467.76	4.30E-05	4.00E-05	--	--	8.44E-02	--	6.50E+02	7.18E+01	--	2.67E-02	4.62E-17	--	1.28E-03	4.73E-03	1.11E-08	3.62E-03	5.41E-02	8.82E-03	3.81E-02	6.21E-04
RF	RF129.05-S	448.33	5.01E-05	1.34E-04	--	--	1.06E-01	--	5.63E+02	6.26E+01	--	2.43E-02	--	--	1.61E-03	1.77E-03	9.65E-09	4.55E-03	2.03E-02	6.64E-03	3.32E-02	6.32E-05
RF	RF130.01-S	38.59	3.83E-05	--	--	--	8.17E-02	--	3.71E+02	3.99E+01	--	1.50E-02	6.53E-13	--	1.24E-03	4.21E-03	1.07E-08	3.50E-03	4.81E-02	5.84E-03	2.11E-02	2.29E-03
RF	RF134.02-S	11.34	3.90E-08	--	--	--	7.47E-05	--	6.93E-01	7.43E-02	--	2.77E-05	--	--	1.13E-06	1.45E-06	1.15E-11	3.20E-06	1.65E-05	7.95E-06	3.94E-05	4.24E-11
RF	RF135.01-S	2.29	5.81E-07	--	--	--	1.17E-03	--	2.48E+00	2.65E-01	--	9.84E-05	--	--	1.78E-05	3.60E-05	4.09E-11	5.02E-05	4.52E-04	6.56E-05	1.41E-04	2.89E-03
RF	RF135.02-S	10.40	2.61E-07	--	--	--	5.10E-04	--	4.62E+00	4.95E-01	--	1.84E-04	--	--	7.73E-06	3.59E-04	7.63E-11	2.19E-05	4.11E-03	1.86E-04	2.62E-04	1.17E-06
RF	RF137.01-S	0.42	3.95E-08	--	--	--	7.93E-05	--	5.11E-01	5.44E-02	--	2.01E-05	--	--	1.20E-06	1.04E-06	8.39E-12	3.40E-06	1.19E-05	5.86E-06	2.89E-05	3.07E-11
RF	RF139.01-S	11.65	3.86E-05	--	--	--	7.79E-02	--	2.51E+01	2.68E+00	--	9.93E-04	--	--	1.18E-03	2.75E-04	4.13E-10	3.34E-03	3.32E-03	4.86E-04	1.42E-03	1.30E-02
RF	RF140.01-S	172.16	1.01E-05	5.30E-06	--	--	1.96E-02	--	1.86E+02	2.07E+01	--	7.98E-03	--	--	2.97E-04	4.34E-04	3.20E-09	8.39E-04	4.97E-03	2.13E-03	1.10E-02	4.72E-08
RF	RF141.01-S	45.55	3.34E-05	--	--	--	6.39E-02	--	1.36E+03	1.47E+02	--	2.76E-02	--	--	9.68E-04	2.49E-02	2.27E-08	2.74E-03	2.84E-01	2.42E-02	7.80E-02	7.59E-05
RF	RF141.02-S	175.97	2.25E-04	--	--	--	6.75E-01	--	5.56E+03	6.12E+02	--	1.50E-01	--	--	1.02E-02	3.36E-02	9.44E-08	2.89E-02	3.84E-01	7.32E-02	3.25E-01	8.35E-05
RL	RL105-01	157.99	4.75E-07	--	--	--	8.91E-04	--	2.19E+01	2.28E+00	--	3.88E-04	--	--	1.35E-05	6.69E-01	5.97E-04	3.82E-05	7.65E+00	8.11E-01	1.21E-03	8.72E-03
RL	RL105-03	69.06	3.83E-06	--	--	--	1.25E-02	--	1.08E+01	2.74E+00	--	3.76E-03	--	--	1.89E-04	2.41E-03	4.23E-10	5.34E-04	2.79E-02	1.08E-03	1.45E-03	2.04E-02
RL	RL200-01	126.63	5.88E-07	--	--	--	1.12E-03	--	1.41E+01	1.45E+00	--	2.46E-04	--	--	1.69E-05	2.15E-04	2.23E-10	4.78E-05	2.46E-03	1.62E-04	7.69E-04	9.97E-06
RL	RL201-01	14.14	1.33E-10	--	--	--	2.59E-07	--	4.96E-03	5.12E-04	--	8.78E-08	--	--	3.93E-09	5.53E-09	7.91E-14	1.11E-08	6.31E-08	5.70E-08	2.72E-07	1.34E-13
RL	RL202S-01	1.46	6.08E-09	--	--	--	1.19E-05	--	6.58E-02	7.28E-03	--	9.57E-07	--	--	1.80E-07	1.35E-07	1.12E-12	5.09E-07	1.54E-06	7.55E-07	3.86E-06	1.46E-12
RL	RL209E-01	52.79	3.98E-06	--	--	--	7.68E-03	--	1.89E+02	1.95E+01	--	3.34E-03	--	--	1.17E-04	2.17E-04	3.01E-09	3.30E-04	2.48E-03	2.17E-03	1.03E-02	5.11E-09
RL	RL216Z-02	194.85	2.49E-05	--	--	--	4.75E-02	--	5.60E+02	5.74E+01	--	9.44E-03	--	--	7.20E-04	1.78E-03	8.85E-09	2.04E-03	2.03E-02	6.42E-03	3.04E-02	1.44E-08
RL	RL221T-01	17.60	8.67E-10	--	--	--	1.71E-06	--	4.20E-02	4.34E-03	--	7.47E-07	--	--	2.60E-08	5.82E-08	6.75E-13	7.35E-08	6.65E-07	4.89E-07	2.31E-06	1.12E-07
RL	RL222S-01	88.61	1.31E-07	--	--	--	2.46E-04	--	5.31E+00	5.57E-01	--	9.86E-05	--	--	6.11E-01	1.07E-05	8.57E-11	9.87E-01	1.22E-04	6.60E-05	2.95E-04	5.44E-08
RL	RL231Z-01	1272.78	4.85E-05	--	--	--	9.42E-02	--	1.14E+03	1.18E+02	--	2.02E-02	--	--	1.43E-03	4.68E-02	5.52E-05	4.04E-03	5.36E-01	1.45E-02	6.26E-02	5.64E-02

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL231Z-03	13.23	1.68E-06	--	--	--	3.32E-03	--	3.77E-02	1.49E-02	--	3.82E-07	--	--	5.04E-05	1.45E-04	2.31E-12	1.42E-04	1.65E-03	4.34E-07	7.93E-06	5.85E-13
RL	RL233S-01	91.21	1.60E-06	--	--	--	3.02E-03	--	5.31E+01	5.97E+00	--	5.93E-03	--	--	4.58E-05	1.13E-04	9.20E-10	1.29E-04	1.29E-03	6.08E-04	3.17E-03	9.05E-09
RL	RL2718-01	0.83	3.63E-08	--	--	--	7.22E-05	--	3.95E-02	3.11E-03	--	7.75E-08	--	--	1.10E-06	1.47E-08	4.81E-13	3.10E-06	1.68E-07	4.54E-07	1.65E-06	1.19E-13
RL	RL300-01	72.87	3.37E-06	--	--	--	6.38E-03	--	1.16E+02	1.20E+01	--	2.06E-03	--	--	2.24E+00	2.07E-02	3.32E-03	3.62E+00	2.37E-01	1.25E-02	6.36E-03	3.04E-02
RL	RL308-01	28.12	1.84E-05	--	--	--	3.50E-02	--	6.54E+00	1.17E+00	--	1.81E-04	--	--	3.73E-02	2.27E-03	1.80E-10	6.08E-02	2.60E-02	2.50E-04	6.19E-04	4.51E-03
RL	RL324-01	135.33	8.33E-06	--	--	--	1.58E-02	--	3.06E+02	3.15E+01	--	5.46E-03	--	--	2.40E-04	3.34E-04	4.85E-09	6.79E-04	3.82E-03	3.51E-03	1.67E-02	8.33E-09
RL	RL325-01	1400.37	3.01E-05	--	--	--	5.73E-02	--	2.32E+02	3.58E+01	--	3.62E-02	--	--	8.68E-04	2.88E-03	5.52E-09	2.46E-03	3.29E-02	2.66E-03	1.90E-02	5.52E-08
RL	RL325-03	2.08	1.01E-07	--	--	--	1.94E-04	--	4.05E-01	1.14E-01	--	1.63E-04	--	--	2.94E-06	7.51E-06	1.75E-11	8.30E-06	8.60E-05	8.55E-06	6.02E-05	2.69E-06
RL	RL325-05	5.20	1.21E-05	--	--	--	2.31E-02	--	2.87E-01	1.33E-01	--	6.64E-04	--	--	3.50E-04	4.79E-04	2.06E-11	9.90E-04	5.47E-03	8.96E-06	7.07E-05	8.67E-08
RL	RL327-01	80.93	4.41E-06	--	--	--	8.44E-03	--	5.29E+00	2.14E+00	--	8.81E-03	--	--	1.28E-04	5.18E-04	3.30E-10	3.61E-04	5.92E-03	6.07E-05	1.13E-03	1.35E-08
RL	RLARG-01	0.83	2.45E-06	--	--	--	4.79E-03	--	1.27E+01	2.95E+00	--	3.60E-03	--	--	1.28E-01	4.14E-04	1.26E-04	2.07E-01	4.72E-03	4.45E-04	1.57E-03	3.23E-06
RL	RLBART-01	0.62	1.06E-07	--	--	--	2.14E-04	--	2.71E-05	2.79E-06	--	4.81E-10	--	--	3.26E-06	3.11E-11	4.33E-16	9.20E-06	3.55E-10	3.12E-10	1.49E-09	7.36E-16
RL	RLBAT-01	19.14	1.43E-07	--	--	--	2.76E-04	--	6.81E+00	6.99E-01	--	1.20E-04	--	--	4.19E-06	3.06E-03	1.08E-10	1.18E-05	3.50E-02	4.32E-04	3.72E-04	1.10E-03
RL	RLBET-01	0.42	9.09E-10	--	--	--	1.77E-06	--	4.36E-02	4.49E-03	--	7.68E-07	--	--	2.68E-08	1.42E-05	6.95E-13	7.58E-08	1.62E-04	1.75E-05	2.39E-06	1.83E-07
RL	RLBW-01	306.60	5.38E-05	--	--	--	1.03E-01	--	8.06E+02	8.31E+01	--	1.42E-02	--	--	1.56E-03	8.28E-03	1.28E-08	4.41E-03	9.49E-02	9.43E-03	4.41E-02	1.02E-02
RL	RLCBWD.001-S	14.36	2.52E-06	--	--	--	4.95E-03	--	1.77E+01	3.87E+00	--	1.67E-03	--	--	2.92E-03	1.74E-04	5.95E-10	4.81E-03	1.99E-03	2.23E-04	2.05E-03	2.45E-04
RL	RLCFF-01	24.34	2.00E-05	--	--	--	3.79E-02	--	4.32E+02	4.44E+01	--	7.50E-03	--	--	5.74E-04	1.49E-03	6.83E-09	1.62E-03	1.71E-02	4.99E-03	2.35E-02	8.09E-04
RL	RLCFF-03	5.82	1.79E-08	--	--	--	3.52E-05	--	6.98E-01	7.19E-02	--	1.23E-05	--	--	5.35E-07	7.46E-07	1.11E-11	1.51E-06	8.51E-06	8.02E-06	3.82E-05	1.89E-11
RL	RLCFFD.001-S	261.33	6.39E-05	--	--	--	1.23E-01	--	4.34E+02	1.01E+02	--	4.38E-02	--	--	1.87E-03	3.27E-03	1.32E-06	5.28E-03	3.74E-02	5.11E-03	5.37E-02	2.91E-03
RL	RLESG-01	58.24	9.39E-07	--	--	--	1.80E-03	--	2.90E+01	3.01E+00	--	5.29E-04	--	--	2.73E-05	1.25E-03	4.64E-10	7.71E-05	1.43E-02	1.76E-03	1.60E-03	2.94E-05
RL	RLEXX-01	50.96	7.76E-05	--	--	--	1.51E-01	--	3.73E+03	3.84E+02	--	6.61E-02	--	--	2.30E-03	4.19E-02	5.96E-08	6.49E-03	4.83E-01	6.23E-02	2.05E-01	4.23E-01
RL	RLGEV-01	280.23	7.33E-07	--	--	--	1.42E-03	--	3.50E+01	3.61E+00	--	6.19E-04	--	--	2.17E-05	2.34E-03	5.60E-10	6.12E-05	2.70E-02	2.04E-03	1.92E-03	1.88E-02
RL	RLHMOX.001-S	193.65	1.15E-03	1.68E-04	--	--	2.62E+00	--	5.80E+03	1.36E+03	--	1.92E+00	--	--	3.97E-02	1.17E-01	2.09E-07	1.12E-01	1.35E+00	1.15E-01	7.19E-01	5.93E-01
RL	RLIAEA-01	0.42	1.80E-09	--	--	--	3.51E-06	--	6.91E-02	7.12E-03	--	1.22E-06	--	--	5.34E-08	7.73E-08	1.10E-12	1.51E-07	8.82E-07	7.93E-07	3.78E-06	1.87E-12
RL	RLM308D.001-S	62.23	2.37E-04	4.22E-04	--	--	4.77E-01	--	6.91E+02	2.04E+02	--	5.65E-01	--	--	7.96E-03	2.08E-02	8.88E-05	2.16E-02	2.38E-01	9.35E-03	1.08E-01	2.27E-02
RL	RLMHASH.001-S	61.78	9.00E-05	--	--	--	1.75E-01	--	1.82E+03	2.08E+02	--	7.99E-02	--	--	3.68E-03	2.45E-03	3.20E-08	9.15E-03	2.80E-02	2.08E-02	1.10E-01	1.22E-07
RL	RLMLB-01	0.42	3.77E-09	--	--	--	7.35E-06	--	1.81E-01	1.86E-02	--	3.21E-06	--	--	1.12E-07	2.08E-07	2.89E-12	3.16E-07	2.37E-06	2.08E-06	9.91E-06	4.91E-12
RL	RLMLL-01	0.42	8.69E-09	--	--	--	1.72E-05	--	4.23E-01	4.35E-02	--	7.48E-06	--	--	2.62E-07	3.55E-04	6.76E-12	7.38E-07	4.05E-03	1.23E-05	2.32E-05	4.62E-04
RL	RLMPDT.001-S	1239.55	3.58E-04	3.49E-04	--	--	7.00E-01	--	3.68E+03	5.53E+02	3.75E-07	3.27E-01	--	--	2.98E-02	2.62E-02	5.95E-07	6.09E-02	2.99E-01	4.28E-02	2.93E-01	4.35E-03
RL	RLMPURX.001-S	106.38	6.77E-05	4.51E-05	--	--	1.30E-01	--	5.51E+02	1.03E+02	--	7.66E-02	--	--	6.96E-03	4.72E-03	1.59E-08	1.36E-02	5.39E-02	6.33E-03	5.46E-02	2.62E-04
RL	RLMSSC.001-S	64.69	1.08E-04	--	--	--	2.07E-01	--	2.09E+03	2.14E+02	--	7.11E-02	--	--	3.14E-03	6.75E-03	3.30E-08	8.87E-03	7.72E-02	2.40E-02	1.14E-01	3.93E-04
RL	RLNPDT.002-S	445.26	8.85E-05	1.36E-03	--	--	1.73E-01	--	1.51E+03	1.66E+02	--	8.24E-02	--	--	2.62E-03	6.75E-03	8.77E-08	7.40E-03	7.72E-02	1.74E-02	8.79E-02	4.35E-04
RL	RLNPURX.001-S	39.11	4.31E-05	1.61E-05	--	--	8.22E-02	--	3.09E+02	5.53E+01	--	4.93E-02	--	--	1.25E-03	3.15E-03	8.53E-09	3.52E-03	3.60E-02	3.54E-03	2.93E-02	7.53E-08
RL	RLPFP-01	7457.30	3.51E-04	--	--	--	6.60E-01	--	1.48E+04	1.53E+03	--	3.03E-01	--	--	2.97E-01	3.55E+00	7.26E-05	4.92E-01	4.06E+01	1.91E-01	8.12E-01	4.08E-01
RL	RLPFP-03	6.86	5.95E-06	--	--	--	1.15E-02	--	1.36E+02	1.46E+01	--	4.15E-03	--	--	1.74E-04	1.90E-04	2.25E-09	4.91E-04	2.18E-03	1.57E-03	7.73E-03	5.97E-08
RL	RLPFP-04	17.68	4.82E-09	--	--	--	9.17E-06	--	1.77E-01	1.83E-02	--	3.13E-06	--	--	1.39E-07	1.92E-07	2.81E-12	3.93E-07	2.20E-06	2.03E-06	9.68E-06	4.78E-12
RL	RLPFP-05	18.72	1.89E-05	--	--	--	3.60E-02	--	2.83E+01	6.53E+00	--	1.19E-02	--	--	5.45E-04	1.07E-03	1.01E-09	1.54E-03	1.22E-02	3.25E-04	3.46E-03	1.81E-08
RL	RLPRC-01	4.20	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RL	RLPURX-01	476.91	2.14E-05	--	--	--	4.05E-02	--	3.48E+02	4.47E+01	--	2.35E-02	--	--	6.13E-04	1.26E-03	6.88E-09	1.73E-03	1.44E-02	3.98E-03	2.37E-02	3.59E-08
RL	RLPURX-05	780.11	3.00E-05	--	--	--	5.87E-02	--	6.58E+02	6.81E+01	--	1.17E-02	--	--	8.93E-04	9.29E-04	1.05E-08	2.52E-03	1.06E-02	7.56E-03	3.62E-02	1.13E-06
RL	RLRFETS.001-S	63.44	7.51E-05	--	--	--	1.45E-01	--	2.84E+03	2.17E+02	--	6.38E-02	--	--	6.65E-03	2.97E-03	3.35E-08	1.34E-02	3.40E-02	3.27E-02	1.15E-01	9.75E-08
RL	RLSWO-01	57.78	4.22E-06	--	--	--	8.05E-03	--	5.90E+01	7.36E+00	--	4.07E-03	--	--	1.22E-04	3.22E-04	1.13E-09	3.45E-04	3.68E-03	6.76E-04	3.90E-03	6.21E-09
RL	RLVIPAC.001-S	28.35	7.80E-06	--	--	--	1.56E-02	--	1.34E+02	1.83E+01	--	1.55E-02	--	--	2.36E-04	9.09E-03	2.83E-09	6.69E-04	1.05E-01	4.05E-03	9.72E-03	4.82E-02
RL	RLWAR-01	447.00	1.96E-06	--	--	--	3.67E-03	--	9.04E+01	9.31E+00	--	1.60E-03	--	--	5.56E-05	4.90E-03	6.12E-05	1.57E-04	5.61E-02	4.37E-03	4.93E-03	7.82E-03
SA	SA-T001	6.37	1.10E-07	--	--	--	2.37E-04	--	2.67E+00	7.32E-03	--	--	--	--	3.59E-06	7.60E-06	4.65E-03	1.02E-05	8.68E-05	3.07E-05	3.88E-06	--
SA	SA-W134	16.02	7.65E-07	4.77E-03	--	--	1.25E-01	1.13E-21	1.04E+00	1.51E-01	--	2.95E-06	--	--	3.15E-03	1.42E-02	2.34E-11	7.39E-03	1.63E-01	1.09E-02	8.03E-05	7.96E-03
SA	SA-W134M	2.08	9.93E-08	6.19E-04	--	--	1.63E-02	1.47E-22	1.35E-01	1.97E-02	--	3.84E-07	--	--	4.09E-04	1.85E-03	3.04E-12	9.60E-04	2.11E-02	1.41E-03	1.04E-05	1.03E-03
SA	SA-W136	34.45	1.40E-07	--	--	--	2.62E-04	--	1.47E+01	1.56E+00	--	5.14E-04	--	--	3.97E-06	3.56E-05	2.40E-10	1.12E-05	4.07E-04	1.69E-04	8.26E-04	7.85E-10
SR	SR2001.001.00-S	61.15	1.79E-07	--	--	--	3.41E-04	--	7.24E+00	6.63E-01	--	1.90E-04	--	--	5.17E-06	3.44E-05	1.02E-10	1.46E-05	3.93E-04	8.30E-05	3.52E-04	2.90E-10
SR	SR2002.002.00-S	69.89	5.89E-07	--	--	--	1.13E-03	--	8.50E+00	9.06E-01	--	3.51E-04	--	--	5.25E-02	1.48E-05	1.40E-10	8.49E-02	1.69E-04	9.75E-05	4.80E-04	5.36E-10
SR	SR-BCLCH-MT01	11.34	4.23E-06	--	--	--	8.07E-03	--	4.66E+01	5.64E+00	--	2.61E-03	--	--	1.22E-04	1.18E-01	8.69E-10	3.46E-04	1.35E+00	5.35E-04	2.99E-03	3.98E-09
SR	SR-T001-221H-HEPA	62.37	3.62E-08	--	--	--	3.60E-04	--	1.92E-01	5.20E-02	--	1.53E-04	--	--	5.47E-06	1.15E-02	8.04E-12	1.54E-05	1.31E-01	2.21E-06	2.76E-05	2.35E-10
SR	SR-W026-221F-HEPA	378.00	3.27E-05	--	--	--	6.29E-02	--	6.47E+02	6.97E+01	--	7.22E-02	--	--	9.56E-04	9.16E-02	1.08E-08	2.70E-03	1.05E+00	7.44E-03	3.71E-02	1.29E-07
SR	SR-W026-221F-HET	1089.92	1.76E-04	3.30E-04	--	--	6.10E-02	4.12E-22	4.74E+02	5.27E+01	1.45E-04	2.46E-01	--	--	5.58E-02	1.12E-02	8.25E-09	9.13E-02	1.29E-01	6.74E-03	2.82E-02	7.19E-03
SR	SR-W026-221F-HET-S	552.35	4.38E-05	2.06E-05	--	--	8.17E-02	--	7.69E+02	9.84E+01	3.56E-06	3.48E-02	--	--	1.24E-03	1.84E-02	3.49E-05	3.50E-03	2.11E-01	1.02E-02	5.22E-02	9.01E-03
SR	SR-W026-221F-HOM	16.66	1.00E-07	--	--	--	1.95E-04	--	3.25E+00	2.87E-01	--	9.73E-05	--	--	2.96E-06	3.85E-05	4.45E-11	8.36E-06	4.40E-04	3.74E-05	1.53E-04	2.26E-09
SR	SR-W026-772F-HET	834.88	4.42E-05	--	--	--	6.76E-01	--	3.56E+02	4.04E+01	--	9.02E-02	--	--	1.34E-02	1.27E+00	8.78E-09	3.41E-02	1.45E+01	6.76E-03	2.66E-02	9.18E-03
SR	SR-W026-772F-HET-S	1306.27	2.08E-05	2.53E-04	--	--	9.65E-02	--	1.97E+02	2.58E+01	6.74E-06	1.21E-02	--	--	4.16E-02	1.23E-01	3.95E-04	6.89E-02	1.41E+00	3.26E-03	1.37E-02	7.82E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W027-221F-HET	1490.34	4.80E-04	--	--	--	9.16E-01	--	5.36E+03	5.66E+02	--	9.08E-01	--	--	1.39E-02	1.27E-01	8.73E-08	3.93E-02	1.46E+00	6.15E-02	3.00E-01	1.61E-05
SR	SR-W027-221F-HETA-S	2080.85	1.50E-04	1.73E-06	--	--	1.86E-01	--	1.27E+03	1.92E+02	5.66E-05	9.11E-02	--	--	1.31E-02	2.73E-02	9.96E-05	2.46E-02	3.12E-01	1.47E-02	1.02E-01	2.17E-03
SR	SR-W027-221H-HEPA	137.97	2.20E-06	--	--	--	5.55E-02	--	1.21E+01	2.44E+00	--	6.90E-03	--	--	8.41E-04	4.62E-01	8.79E-10	2.38E-03	5.28E+00	2.20E-04	2.31E-03	3.26E-06
SR	SR-W027-221H-HET-A	5568.93	6.59E-05	2.39E-04	--	--	1.62E+01	--	1.00E+03	1.79E+02	--	2.95E-01	--	--	2.52E-01	1.72E+01	8.27E-08	7.05E-01	1.97E+02	6.05E-02	2.06E-01	1.17E-02
SR	SR-W027-221H-HET-S	2521.93	5.49E-05	7.97E-03	--	--	2.56E-01	--	9.78E+01	1.77E+01	2.88E-05	2.41E-02	--	--	5.75E-02	1.76E+00	2.73E-03	9.75E-02	2.01E+01	2.67E-03	9.38E-03	2.49E-03
SR	SR-W027-235F-HET	733.92	1.11E-04	--	--	--	5.33E+00	--	1.92E+02	4.31E+01	--	2.88E-01	--	--	8.07E-02	7.19E+00	1.43E-08	2.28E-01	8.22E+01	3.53E-03	3.82E-02	1.39E-03
SR	SR-W027-235F-HET-S	301.51	8.76E-06	4.36E-06	--	--	4.12E-02	--	7.23E+00	2.26E+00	5.91E-06	3.30E-03	--	--	6.24E-04	1.02E-01	2.51E-04	1.76E-03	1.16E+00	8.35E-04	1.20E-03	9.01E-05
SR	SR-W027-235F-HOMO	5.83	1.56E-07	--	--	--	3.04E-04	--	7.02E-01	1.76E-01	--	5.91E-04	--	--	4.62E-06	4.09E-02	2.72E-11	1.30E-05	4.66E-01	8.06E-06	9.34E-05	9.04E-10
SR	SR-W027-773A-HET	2495.78	1.54E-01	1.36E+01	--	--	2.09E-02	2.24E-20	2.49E+02	3.35E+01	1.54E-01	1.01E+00	4.43E-08	--	2.84E-02	5.91E-01	8.24E-04	4.63E-02	6.76E+00	4.22E-03	2.60E-02	3.00E-03
SR	SR-W027-773A-HET-S	358.24	3.73E-04	9.72E-02	--	--	4.39E-02	1.88E-23	6.77E+01	7.63E+00	3.67E-04	2.33E-03	--	--	6.64E-04	8.47E-02	1.31E-04	1.88E-03	9.69E-01	9.45E-04	4.05E-03	1.50E-03
SR	SR-W027-999-AGNS-HET	56.84	4.68E-07	--	--	--	6.21E-03	--	4.88E+00	6.75E-01	--	2.35E-04	--	--	9.44E-05	1.63E-04	1.43E-10	2.67E-04	1.86E-03	7.30E-05	4.37E-04	2.47E-07
SR	SR-W027-999-AGNS-HOM	5.83	1.67E-06	--	--	--	6.36E-03	--	4.55E+00	4.92E-01	--	2.42E-04	--	--	9.67E-05	1.43E-04	7.64E-11	2.73E-04	1.64E-03	7.17E-05	2.62E-04	4.14E-04
SR	SR-W027-999-LASL-HET	44.30	2.06E-05	--	--	--	4.14E-02	--	3.98E+01	1.16E+01	--	3.79E-02	--	--	6.31E-04	2.31E+00	1.80E-09	1.78E-03	2.63E+01	4.58E-04	6.17E-03	5.80E-08
SR	SR-W027-999-LASL-HOM	5.82	2.08E-06	--	--	--	4.17E-03	--	8.72E+00	2.20E+00	--	7.44E-03	--	--	6.36E-05	5.18E-01	3.43E-10	1.79E-04	5.90E+00	1.00E-04	1.17E-03	1.14E-08
SR	SR-W027-999-MD-HET	1675.12	4.73E-05	--	--	--	9.50E-02	--	2.93E+02	7.22E+01	--	2.34E-01	1.29E-12	--	2.49E-02	1.61E+01	1.12E-08	4.19E-02	1.83E+02	3.58E-03	3.85E-02	4.59E-03
SR	SR-W027-999-MD-HOM-A	2.29	3.61E-09	--	--	--	3.46E-05	1.52E-22	1.58E-02	5.80E-04	--	4.33E-07	--	--	5.26E-07	1.21E-03	9.01E-14	1.49E-06	1.38E-02	5.06E-07	3.09E-07	6.64E-13
SR	SR-W027-999-MD-HOM-B	22.64	3.57E-08	--	--	--	3.42E-04	1.51E-21	1.56E-01	5.74E-03	--	4.29E-06	--	--	5.21E-06	1.20E-02	8.91E-13	1.47E-05	1.37E-01	5.00E-06	3.06E-06	6.57E-12
SR	SR-W027-999-MD-HOM-C	1.04	1.64E-09	--	--	--	1.57E-05	6.92E-23	7.16E-03	2.64E-04	--	1.97E-07	--	--	2.39E-07	5.51E-04	4.09E-14	6.76E-07	6.28E-03	2.30E-07	1.40E-07	3.02E-13
SR	SR-W027-999-MD-SOIL	90.53	4.26E-09	--	--	--	1.32E-04	2.84E-23	4.03E-01	--	--	8.09E-08	--	--	2.00E-06	6.07E-04	--	5.66E-06	6.92E-03	4.64E-06	--	1.24E-13
SR	SR-W027-FB-PRE86-C-S	2385.10	1.12E-04	4.41E-05	--	--	1.56E-01	--	2.49E+03	1.54E+02	3.45E-05	2.16E-01	--	--	4.47E-03	1.45E-02	6.22E-05	1.01E-02	1.66E-01	2.87E-02	8.18E-02	2.77E-04
SR	SR-W027-HBL-Box-A	339.60	4.67E-07	--	--	--	1.02E-01	--	2.13E+00	5.32E-01	--	1.79E-03	--	--	1.55E-03	1.24E-01	8.24E-11	4.38E-03	1.41E+00	2.44E-05	2.83E-04	2.74E-09
SR	SR-W027-SRSG-HET	1889.08	4.17E-03	6.79E-02	--	--	1.28E+00	1.45E-23	1.30E+03	1.35E+02	4.06E-03	4.61E+00	--	--	2.72E+00	1.01E+00	3.64E-08	4.41E+00	1.15E+01	2.34E-02	1.03E-01	4.97E-01
SR	SR-W027-SRSG-HOM	22.28	1.31E-06	4.84E-04	--	--	2.53E-02	--	7.69E+01	4.79E+00	--	1.03E-02	--	--	3.85E-04	5.86E-02	8.36E-10	1.09E-03	6.69E-01	9.09E-04	2.74E-03	5.35E-04
Grand Total		**168485.00**	**9.24E+00**	**3.62E+01**	--	--	**1.40E+02**	**2.17E-19**	**4.03E+05**	**4.53E+04**	**9.17E+00**	**5.60E+01**	**3.32E-04**	--	**4.64E+02**	**8.46E+01**	**1.45E+00**	**7.51E+02**	**9.66E+02**	**1.33E+01**	**2.59E+01**	**5.80E+01**

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	220.78	2.12E-06	2.28E-05	--	--	7.18E-03	--	2.43E+01	2.45E+00	--	--	--	--	3.11E-04	6.43E-04	3.80E-10	6.34E-04	7.34E-03	5.67E-04	1.30E-03	1.13E-04
AW (MFC)	AW-T031.1322	94.27	4.64E-07	4.19E-04	--	--	4.35E-03	2.79E-22	6.29E-03	1.35E+01	--	1.07E-03	--	--	6.65E-05	1.17E-03	2.24E-09	1.87E-04	1.34E-02	8.17E-03	7.49E-03	3.45E-05
AW (MFC)	AW-W020.13	65.09	1.12E-05	--	--	--	2.20E-02	--	2.74E+01	3.95E+00	--	--	--	--	4.33E-01	1.17E-03	6.11E-10	6.99E-01	1.33E-02	9.56E-03	2.10E-03	1.49E-03
AW (MFC)	AW-W026	0.89	1.63E-08	--	--	--	3.23E-05	--	2.11E-02	--	--	--	--	--	4.90E-07	4.86E-10	--	1.38E-06	1.10E-08	3.13E-06	--	3.93E-07
AW (MFC)	AW-W028	36.80	--	--	--	--	--	--	9.64E-01	2.34E-02	--	--	--	--	--	4.41E-08	3.61E-12	--	1.00E-06	7.73E-05	1.24E-05	3.57E-05
AW (MFC)	AW-W046	24.23	--	--	--	--	--	--	2.18E+00	--	--	--	--	--	--	--	--	--	--	6.96E-03	--	--
AW (MFC)	AW-W047	12.56	--	--	--	--	--	--	7.68E-03	--	--	--	--	--	--	--	--	--	--	8.81E-08	--	--
BT	BT-T001	2.67	7.17E-07	7.60E-03	--	--	2.77E-02	1.41E-22	2.85E-01	1.46E-01	2.93E-07	2.94E-03	--	--	4.88E+00	1.05E-01	2.27E-03	7.87E+00	1.19E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	2.39E-07	2.53E-03	--	--	9.23E-03	4.69E-23	9.51E-02	4.87E-02	9.76E-08	9.79E-04	--	--	1.63E+00	3.51E-02	7.56E-04	2.62E+00	3.98E-01	2.22E-03	2.52E-02	1.54E-05
IN	IN-AE-AGHC-01	183.34	1.11E-05	--	--	--	2.13E-02	--	1.06E+02	2.58E+01	--	2.31E-02	--	--	1.51E-01	4.03E-02	3.98E-09	2.44E-01	4.60E-01	1.75E-02	1.37E-02	2.72E-03
IN	IN-AW-161	1.78	--	--	--	--	--	--	3.69E+00	3.63E-02	--	--	--	--	--	--	5.62E-12	--	--	4.53E-05	1.93E-05	--
IN	IN-INTEC-SFS-01	0.89	2.10E-07	--	--	--	4.12E-04	--	1.81E-01	9.65E-02	--	9.88E-04	--	--	6.27E-06	6.46E-05	1.50E-11	1.77E-05	7.36E-04	1.07E-05	5.14E-05	1.51E-09
IN	IN-NRF-153	8.01	1.54E-09	--	--	--	3.01E-06	--	2.43E-03	1.21E-03	--	1.14E-05	--	--	4.58E-08	8.80E-06	1.88E-13	1.29E-07	1.00E-04	4.75E-05	6.43E-07	1.75E-11
IN	IN-TRA-150	3.56	3.93E-06	--	--	--	7.82E-03	--	--	--	--	--	--	--	1.19E-04	1.37E-03	--	3.35E-04	1.57E-02	--	--	--
IN	IN-TRA-157	4.45	1.62E-08	--	--	--	3.21E-05	--	3.13E-03	1.89E-05	--	--	--	--	1.23E-03	5.83E-05	2.92E-15	1.99E-03	6.65E-04	3.59E-08	1.00E-08	--
IN	IN-W208.243	0.89	2.08E-06	--	--	--	4.10E-03	--	3.19E+01	3.31E+00	--	6.82E-04	--	--	6.22E-05	4.60E-05	5.13E-10	1.76E-04	5.25E-04	4.00E-04	1.76E-03	1.04E-09
IN	IN-W216.876	15.13	8.00E-05	--	--	--	1.60E-01	--	2.61E+01	2.73E+00	--	5.59E-04	--	--	2.42E-03	3.77E-05	4.22E-10	6.85E-03	4.30E-04	2.99E-04	1.45E-03	8.54E-10
IN	IN-W216.877	43.61	1.15E-04	--	--	--	2.30E-01	--	3.76E+01	3.92E+00	--	8.05E-04	--	--	3.49E-03	5.43E-05	6.08E-10	9.85E-03	6.20E-04	4.31E-04	2.09E-03	1.23E-09
IN	IN-W228.884	8.90	6.99E-07	--	--	--	1.39E-03	--	1.22E+00	1.27E-01	--	2.60E-05	--	--	2.12E-05	1.76E-06	1.97E-11	5.98E-05	2.01E-05	1.40E-05	6.76E-05	3.99E-11
IN	IN-W228.885	0.89	1.16E-08	--	--	--	2.32E-05	--	2.03E-02	2.12E-03	--	4.35E-07	--	--	3.52E-07	2.94E-08	3.29E-13	9.94E-07	3.36E-07	2.34E-07	1.13E-06	6.65E-13
IN	IN-W228.886	21.36	8.39E-07	--	--	--	1.67E-03	--	1.46E+00	1.52E-01	--	3.13E-05	--	--	2.54E-05	2.11E-06	2.36E-11	7.17E-05	2.41E-05	1.68E-05	8.10E-05	4.78E-11
IN	IN-W243.276	3.56	2.15E-07	--	--	--	4.18E-04	--	5.70E+00	5.95E-01	--	1.22E-04	--	--	6.35E-06	8.21E-06	9.22E-11	1.79E-05	9.38E-05	6.77E-05	3.16E-04	1.52E-07
IN	IN-W243.277	1.78	4.29E-07	--	--	--	8.36E-04	--	1.14E+01	1.19E+00	--	2.43E-04	--	--	1.27E-05	1.64E-05	1.84E-10	3.59E-05	1.88E-04	1.35E-04	6.33E-04	3.03E-07
IN	IN-W252.282	17.80	3.17E-06	--	--	--	6.15E-03	--	9.66E+01	1.01E+01	--	2.06E-03	--	--	9.35E-05	1.39E-04	1.56E-09	2.64E-04	1.59E-03	1.11E-03	5.35E-03	3.15E-09
IN	IN-W254.1045	1.78	1.62E-07	--	--	--	3.13E-04	--	5.77E+00	6.03E-01	--	1.24E-04	--	--	4.76E-06	8.33E-06	9.34E-11	1.35E-05	9.51E-05	6.63E-05	3.21E-04	1.89E-10
IN	IN-W294.343	8.90	6.57E-07	--	--	--	1.27E-03	--	2.10E+01	2.19E+00	--	4.49E-04	--	--	1.93E-05	3.02E-05	3.39E-10	5.46E-05	3.45E-04	2.59E-04	1.16E-03	6.87E-10
IN	IN-W296.330	12.46	2.23E-07	--	--	--	4.70E-04	--	6.80E+00	7.09E-01	--	1.46E-04	--	--	7.14E-06	9.80E-06	1.10E-10	2.02E-05	1.12E-04	7.95E-05	3.77E-04	2.23E-10
IN	IN-W296.331	12.46	7.45E-07	--	--	--	1.57E-03	--	2.27E+01	2.37E+00	--	4.86E-04	--	--	2.39E-05	3.27E-05	3.66E-10	6.75E-05	3.73E-04	2.65E-04	1.26E-03	7.43E-10
IN	IN-W298.318	8.01	3.00E-06	--	--	--	5.85E-03	--	7.19E+01	7.54E+00	--	1.55E-03	--	--	8.90E-05	1.04E-04	1.17E-09	2.51E-04	1.19E-03	8.27E-04	4.01E-03	2.37E-09
IN	IN-W358.949	10.68	--	--	--	--	--	--	1.70E+01	1.50E+01	--	--	--	--	--	1.52E-01	2.32E-09	--	1.74E+00	1.95E-04	7.96E-03	--
IN	IN-W372.918	4.45	1.61E-08	--	--	--	3.17E-05	--	2.73E-03	--	--	--	--	--	4.82E-07	4.24E-06	--	1.36E-06	4.85E-05	3.14E-08	--	--
KA	KA-T001	502.99	1.16E-06	1.09E-04	--	--	4.55E-03	--	3.01E-02	3.48E-03	1.14E-06	3.77E-05	9.10E-12	--	7.02E-05	2.64E-03	2.02E-09	1.97E-04	3.01E-02	3.83E-04	3.63E-03	1.68E-06
KA	KA-W016	52.53	1.22E-07	1.14E-05	--	--	4.76E-04	--	3.15E-03	3.63E-04	1.19E-07	3.94E-06	9.51E-13	--	7.34E-06	2.76E-04	2.11E-10	2.06E-05	3.15E-03	4.00E-05	3.79E-04	1.75E-07
LA	LA-TA-00-03	1.78	--	--	--	--	--	--	9.28E+00	--	--	--	--	--	--	--	--	--	--	1.07E-04	--	--
LA	LA-TA-03-27	96.12	3.16E-07	--	--	--	6.19E-04	--	1.74E+02	8.73E-01	--	1.49E-03	--	--	9.41E-06	1.97E-04	1.39E-10	2.66E-05	2.25E-03	1.13E-02	4.73E-04	4.09E-05
OR	OR-W211	294.45	3.48E-04	4.39E-02	--	--	7.98E-03	--	3.33E+00	1.16E+00	3.43E-04	2.00E-02	2.63E-07	--	9.34E-01	5.96E-05	1.51E-05	1.51E+00	6.81E-04	2.03E-04	6.29E-04	1.04E-04
OR	OR-W212	146.78	4.58E-06	--	--	--	9.18E-03	--	4.31E-01	2.92E-01	--	--	1.47E-08	--	3.27E-04	1.92E-03	1.06E-03	6.97E-04	2.19E-02	4.98E-04	1.55E-04	--
OR	OR-W213	1020.04	3.92E-06	4.21E-03	--	--	4.36E-02	--	1.29E+01	7.40E-03	--	9.33E-03	--	--	2.96E+01	1.99E-01	4.09E-01	3.17E+01	1.84E+00	2.82E-02	2.98E-02	3.56E-01
OR	OR-W214	2.67	3.23E-10	--	--	--	1.19E-04	--	4.17E-03	4.00E-07	--	--	--	--	5.16E-05	1.48E-07	6.20E-17	8.54E-05	3.16E-06	4.80E-08	2.13E-10	1.05E-04
OR	OR-W215	1824.83	2.81E-04	--	--	--	6.94E-01	--	1.33E+03	7.45E+01	--	7.78E-01	4.92E-09	--	5.07E+02	4.86E+00	7.06E+00	8.17E+02	5.69E+01	2.73E+00	1.36E-01	1.08E+02
RL	RL105-07	72.98	2.72E-06	6.99E-05	--	--	9.03E-03	1.99E-23	8.69E+00	2.21E+00	--	2.59E-03	--	--	1.37E-04	2.30E-03	2.38E-04	3.87E-04	2.66E-02	1.08E-03	4.84E-03	2.11E-02
RL	RL105-09	518.87	6.63E-04	--	--	--	1.26E+00	--	2.76E+00	2.27E+00	--	--	--	--	1.91E-02	1.46E-02	3.50E-10	5.40E-02	1.67E-01	3.17E-05	1.20E-03	--
RL	RL324-07	67.64	1.35E-05	--	--	--	2.63E-02	--	5.99E+00	7.69E-01	--	6.92E-02	--	--	3.98E-04	1.82E-04	1.19E-10	1.13E-03	2.08E-03	6.86E-05	4.08E-04	1.06E-07
RL	RL324-08	67.64	5.26E-05	--	--	--	1.03E-01	--	4.26E+00	1.93E+00	--	8.81E-03	--	--	1.56E-03	9.09E-04	2.97E-10	4.41E-03	1.04E-02	4.89E-05	1.02E-03	1.34E-08
RL	RL325-07	143.29	1.66E-03	--	--	--	3.28E+00	--	4.07E+01	2.42E+01	--	3.43E-02	--	--	4.98E-02	2.98E-02	3.75E-09	1.41E-01	3.39E-01	1.42E-03	1.29E-02	5.26E-08
RL	RL325-08	13.35	2.81E-06	--	--	--	5.32E-03	--	2.40E+01	5.52E+00	--	--	--	--	8.07E-05	1.60E-04	8.51E-10	2.28E-04	1.83E-03	2.75E-04	2.93E-03	--
RL	RL327-07	16.91	3.75E-05	--	--	--	7.36E-02	--	1.20E+02	3.77E+01	--	9.47E-02	--	--	1.12E-03	3.71E-03	5.99E-09	3.16E-03	4.25E-02	5.25E-03	2.03E-02	9.58E-03
RL	RLBAT-08	22.25	1.57E-13	--	--	--	3.01E-10	--	5.83E-06	6.02E-07	--	1.03E-10	--	--	4.57E-12	6.24E-12	9.28E-17	1.29E-11	7.13E-11	6.69E-11	3.19E-10	1.58E-16
RL	RLPURX-07	113.03	1.23E-07	--	--	--	2.42E-04	--	1.14E+00	2.62E-01	--	2.20E-05	--	--	3.68E-06	7.13E-06	4.07E-11	1.04E-05	8.13E-05	1.31E-05	1.39E-04	3.36E-11
RL	RLSWO-08	121.04	2.20E-06	--	--	--	4.22E-03	--	8.16E+01	8.43E+00	--	1.44E-03	--	--	6.39E-05	8.74E-05	1.30E-09	1.81E-04	9.99E-04	9.37E-04	4.47E-03	2.21E-09
RL	RLWTP-08	846.25	7.30E-04	3.17E-01	--	--	5.89E+00	--	3.47E+03	2.73E+02	--	5.31E-02	--	--	2.00E+01	1.90E+00	2.16E-07	3.24E+01	2.20E+01	9.79E-01	4.96E-01	2.09E+01
SA	SA-W135	19.58	9.42E-06	--	--	--	2.23E-02	--	9.09E+00	6.30E-01	--	--	--	--	3.37E-04	3.24E-03	9.73E-11	9.54E-04	3.70E-02	2.45E-03	3.34E-04	7.83E-04
SR	SR-BCLRH-MT01	0.89	1.44E-04	7.46E-03	--	--	1.02E-03	1.37E-22	2.40E-01	1.80E-01	1.44E-04	1.51E-03	--	--	1.55E-05	1.50E-04	1.12E-10	4.39E-05	1.72E-03	1.55E-05	2.65E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	1.00E-06	5.17E-05	--	--	7.09E-06	9.50E-25	1.66E-03	1.25E-03	1.00E-06	1.05E-05	--	--	1.08E-07	1.05E-06	7.78E-13	3.04E-07	1.20E-05	1.08E-07	1.84E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	9.81E-08	--	--	--	1.91E-04	--	8.77E-02	6.62E-02	--	--	--	--	2.91E-06	7.83E-05	6.10E-11	8.20E-06	8.97E-04	8.80E-06	1.38E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	1.01E-04	5.20E-03	--	--	7.14E-04	9.55E-23	1.67E-01	1.25E-01	1.00E-04	1.06E-03	--	--	1.08E-05	1.05E-04	7.83E-11	3.06E-05	1.20E-03	1.08E-05	1.85E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	3.01E-03	1.55E-01	--	--	2.13E-02	2.85E-21	4.99E+00	3.75E+00	3.00E-03	3.16E-02	--	--	3.24E-04	3.13E-03	2.34E-09	9.15E-04	3.59E-02	3.25E-04	5.54E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	2.06E-04	1.06E-02	--	--	1.46E-03	1.96E-22	3.41E-01	2.56E-01	2.05E-04	2.16E-03	--	--	2.21E-05	2.15E-04	1.60E-10	6.25E-05	2.46E-03	2.22E-05	3.78E-04	3.56E-04

Site Code	Waste Stream ID	Scaled Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-BCLRH-T006	0.89	4.84E-05	2.49E-03	--	--	3.42E-04	4.57E-23	8.03E-02	6.03E-02	4.82E-05	5.07E-04	--	--	5.19E-06	5.02E-05	3.75E-11	1.47E-05	5.75E-04	5.22E-06	8.89E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	3.97E-07	2.05E-05	--	--	2.83E-06	3.78E-25	6.61E-04	4.97E-04	3.96E-07	4.17E-06	--	--	4.28E-08	4.15E-07	3.09E-13	1.21E-07	4.76E-06	4.31E-08	7.33E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	4.76E-06	2.45E-04	--	--	3.37E-05	4.53E-24	7.90E-03	5.93E-03	4.74E-06	4.99E-05	--	--	5.11E-07	4.96E-06	3.70E-12	1.44E-06	5.68E-05	5.15E-07	8.76E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	3.21E-05	1.65E-03	--	--	2.27E-04	3.05E-23	5.32E-02	4.00E-02	3.20E-05	3.36E-04	--	--	3.44E-06	3.35E-05	2.49E-11	9.72E-06	3.83E-04	3.45E-06	5.91E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	3.44E-04	2.72E-02	--	--	5.46E-03	1.16E-21	1.20E-02	8.88E-03	3.43E-04	1.39E-05	--	--	8.30E-05	2.80E-06	1.89E-12	2.34E-04	3.20E-05	1.27E-07	5.76E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	4.93E-09	--	--	--	9.61E-06	--	7.95E-03	1.83E-05	--	--	--	--	1.46E-07	2.58E-06	2.82E-15	4.12E-07	2.95E-05	9.11E-08	9.70E-09	--
SR	SR-T003-773A-HET	140.96	--	1.00E-01	--	--	--	--	4.10E-02	--	--	--	--	--	--	7.30E-04	--	--	8.34E-03	2.49E-07	--	--
SR	SR-W027-SRSG-HET-RH	102.78	2.01E-02	1.78E+00	--	--	3.55E-02	2.64E-21	1.69E+01	2.73E+00	2.01E-02	2.96E-03	2.47E-10	--	5.39E-04	5.82E-04	4.24E-10	1.52E-03	6.64E-03	1.91E-04	1.45E-03	4.13E-09
Grand Total		**7079.00**	**2.81E-02**	**2.47E+00**	--	--	**1.20E+01**	**7.65E-21**	**5.85E+03**	**5.37E+02**	**2.43E-02**	**1.15E+00**	**2.83E-07**	--	**5.65E+02**	**7.36E+00**	**7.47E+00**	**8.95E+02**	**8.54E+01**	**3.82E+00**	**8.75E-01**	**1.30E+02**

ANNUAL TRANSURANIC WASTE INVENTORY REPORT – 2007

APPENDIX F

Historic Crosswalk of Inventory Waste Streams

F-1 INTRODUCTION

This Appendix contains a crosswalk that maps current 2006 waste streams to those identified in the Transuranic Waste Baseline Inventory Report, 2004 (TWBIR-2004) [DOE 2006c], and to the TWBIR, Revision 2 [DOE 1995b].

Rocky Flats Environmental Technology Site (RFETS) has shipped all of its transuranic (TRU) waste to the Waste Isolation Pilot Plant (WIPP) and is considered a closed site; therefore, all of its waste streams are contained in the WIPP Waste Information System (WWIS) and can be found in Appendix B of this document. The crosswalk of RFETS waste streams will no longer be presented in this section.

Battelle Columbus Laboratories (BCL) has shipped all of its TRU waste either to Hanford Richland Operations Office (RL) or the Savannah River Site (SRS); therefore, BCL is considered a closed site. Hanford RL and SRS inventories reflect the waste that they received from BCL. The crosswalk of BCL waste streams will no longer be presented in this section.

In the tables of this appendix, "N/A" in the *TWBIR, Revision 2, Waste Streams* column identifies new waste streams that were reported the TWBIR-2004. "N/A" in the *TWBIR-2004 Waste Streams* column identifies a deleted waste stream from the TWBIR, Revision 2. In the case of the *2006 Waste Streams* column, some wastes were reported in the TWBIR-2004 that were not reported in 2006, but were reassigned to another waste stream or waste streams.

F-2 Argonne National Laboratory (ANL)

Table F-1 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Argonne National Laboratory (ANL).

Table F-1. Argonne National Laboratory-East Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
AE-W041, AE-W042, AE-T001	AE-T001	AE-T001
AE-W038, AE-W039, AE-W040, AE-T003	AE-T003	AE-T003
AE-T009	AE-T009	AE-T009

F-2.1 Materials Fuels Complex (MFC) – formerly Argonne National Laboratory-West (AW)

Argonne National Laboratory-West (ANL-W) is now the Materials Fuels Complex (MFC), a part of Idaho National Laboratory (INL).

Table F-2 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams.

Table F-2. Materials Fuels Complex Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Stream
AW-N026.82	AW-N026.82	AW-N026.82, AW-W029
AW-N027.531	AW-N027.531	AW-N027.531
AW-T029.1323	AW-W029	AW-W029
AW-T030.1321	N/A	N/A
AW-T031.1322	AW-T031.1322	AW-T031.1322
AW-T032-1324	N/A	N/A
AW-T033.1325	AW-T033.1325	AW-T033.1325
AW-T034.1327	N/A	N/A
AW-T035.1326	N/A	N/A
AW-W012.10	AW-W012.10	N/A
AW-W016.20	N/A	N/A
AW-W018	AW-W018	AW-W018
AW-W019	AW-W019	AW-W019
AW-W020.13	AW-W20.13	AW-W20.13
AW-W021.16	N/A	N/A
AW-W022.22	N/A	N/A
AW-N028	AW-W028	AW-W028
N/A	AW-W026	AW-W026
N/A	AW-W046	AW-W046
N/A	AW-W047	AW-W047
N/A	AW-W048	AW-W048
N/A	AW-W049	AW-W049
N/A	IN-TRA-BE-01	AW-IN-TRA-BE-01

F-2.2 Babcock and Wilcox-Lynchburg (BL)

The Babcock and Wilcox-Lynchburg (BL) TRU waste was included in the 2006 TRU waste inventory information. Table F-3 provides the waste stream identified by BL for the TWBIR-2004. A notice was received stating that no defense determination for this waste was going to be pursued; therefore, this waste stream was not included in the update for this annual report.

Table F-3. Babcock and Wilcox-Lynchburg Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
N/A	BL-001	Not reported in this update

F-2.3 Bettis Atomic Power Laboratory (BAPL)

Table F-4 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Bettis Atomic Power Laboratory (BAPL).

Table F-4. Bettis Atomic Power Laboratory Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
BT-T001	BT-T001	BT-T001, BT-T007
BT-T002	BT-T002	BT-T002
BT-T003	N/A	N/A
BT-T004	N/A	N/A
BT-T005	N/A	N/A

F-2.4 Areva – Formerly Framatome (FR)

Framatome (FR) is now Areva. Table F-5 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Areva.

Table F-5. Framatome Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
N/A	FM-MOX-MT02	FM-MOX-MT02
N/A	FM-MOX-T01	FM-MOX-T01

F-2.5 General Electric-Vallecitos Nuclear Center (GE)

Table F-6 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for the General Electric Vallecitos Nuclear Center (GE).

Table F-6. General Electric-Vallecitos Nuclear Center Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
N/A	VN-CHT001	VN-CHT001
N/A	VN-RHT001	VN-RHT001

F-2.6 Hanford Richland Operations Office (RL)

The TRU waste streams identified for the Richland Operations Office (RL) are designated with an "RL" site identifier.

Table F-7 contains the crosswalk of RL waste streams from the TWBIR, Revision 2, to the TWBIR – 2004, and then to the 2006 combined waste streams. "N/A" in the *TWBIR, Revision 2, Waste Streams* column identifies new waste streams that were identified in the TWBIR-2004. "N/A" in the *2006 Waste Streams* column identifies a deleted waste stream where waste has either been assigned to a new waste stream or combined with an existing waste stream.

Table F-7. Hanford RL Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
RL-T101	RL-T101, RL-W472	RLPURX-05
RL-T102	RL-T102	RLPURX-05
RL-T103	RL-T103	RL216Z-02
RL-T104	RL-T104	RL221T-01
RL-T105	RL-T105	RL222S-01
RL-T106	RL-T106	RL233S-01
RL-T107	RL-T107	RLPFP-01
RL-T108	RL-T108	RL200-01
RL-T109	RL-T109	RL308-01
RL-T110	RL-T110	RL300-01
RL-T112	RL-T112	RL300-01
RL-T113	RL-T113	RL200-01
RL-W114	RL-T114	RL209E-01
RL-T115	RL-T115	RL231Z-01
RL-T116	RL-T116	RL300-01
RL-T118	RL-T118	RL300-01
RL-T120	RL-T120	RL200-01
RL-T121	RL-T121	RL105-07
RL-T122	RL-T122	RL105-01
RL-T123	RL-T123	RLARG-01
RL-T124	RL-T124	RLARG-07
RL-T125	RL-T125	RLARG-01
RL-T127	RL-T127	RLBW-01
RL-T128	RL-T128	RLBART-01
RL-T129	RL-T129	RLBAT-01
RL-T130	RL-T130	RLBET-01
RL-T131	RL-T131	RLESG-01
RL-T132	RL-T132	RLEXX-01
RL-T133	RL-T133	RLIAEA-01

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
RL-T134	RL-T134	RLMLB-01
RL-T135	RL-T135	RLMLL-01
RL-T137	RL-T137	RLCFF-01
RL-T140	RL-T140	RLRFET-01
RL-T143	RL-T143	RLGEV-01
RL-T145	RL-T145	RLWAR-01
RL-T147	RL-T147	RL325-08
RL-T148	RL-T148, RL-W684	RL324-08
RL-T149	RL-T149	RL-325-08
RL-W161	RL-W161	RLPURX-07
RL-W162	RL-W162	RLPURX-08
RL-W276	RL-W700	RLARG-01
RL-W277	RL-W701	RLBAT-08
RL-W278	RL-W704	RLEST-01
RL-W279	RL-W715, RL-W716, RL-W718, RL-W719, RL-W720, RL-W721, RL-W722, RL-W725, RL-W726, RL-W727, RL-W728, RL-W729	RLCFF-01, RLCFF-03
RL-W280	RL-W715, RL-W723	RLCFF-03
RL-W281	N/A	N/A
RL-W282	RL-W535, RL-W618	RLPFP-05
RL-W283	RL-W447, RL-W448	RL201-01
RL-W284	RL-W284	Not reported in 2006
RL-W285	RL-W450, RL-W451, RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-01, RL202S-01
RL-W286	RL-W715	RLCFF-03
RL-W287	RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-01
RL-W288	RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-01
RL-W289	RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470, RL-W485	RLPURX-01
RL-W290	RL-W455, RL-W456, RL-W457,	RLPURX-01

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
	RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	
RL-W291	RL-W452	RLPURX-01
RL-W292	RL-W449, RL-W450, RL-W451, RL-W453, RL-W466, RL-W473	RLPURX-01
RL-W293	RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-01
RL-W294	RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-01
RL-W295	RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-01
RL-W296	RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-01
RL-W297	RL-W453, RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-01
RL-W298	RL-W454, RL-W455, RL-W456, RL-W457, RL-W458, RL-W459, RL-W461, RL-W462, RL-W463, RL-W464, RL-W465, RL-W466, RL-W467, RL-W468, RL-W469, RL-W470	RLPURX-05
RL-W299	RL-W481	RLPURX-01
RL-W300	RL-W480	RLPURX-01
RL-W301	RL-W746	RL222S-01, RLCH2-01
RL-W302	RL-W487, RL-W488	RL222S-01
RL-W303	RL-W744	RLSWO-01
RL-W304	RL-W489, RL-W490, RL-W491, RL-W492, RL-W493, RL-W536	RLPFP-01, RL231Z-01
RL-W305	RL-W530, RL-W538	RLPFP-01
RL-W306	RL-W565, RL-W566	RLPFP-01
RL-W307	RL-W568	RLPFP-05

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
RL-W308	RL-W536, RL-W538	RLPFP-01
RL-W309	RL-W533	RLPFP-01
RL-W310	RL-W505, RL-W521, RL-W557	RLPFP-01, RLPFP-03
RL-W311	RL-W531, RL-W565, RL-W566	RLPFP-01
RL-W312	RL-W565, RL-W566	RLPFP-01
RL-W313	RL-W514, RL-W568	RLPFP-01, RLPFP-05
RL-W314	RL-W517, RL-W525, RL-W531, RL-W551	RLPFP-01
RL-W315	RL-W559	Not reported in 2006
RL-W316	RL-W539	RLPFP-01
RL-W317	RL-W542, RL-W552 ,RL-W562	RLPFP-01
RL-W318	RL-W541, RL-W542, RL-W561, RL-W562, RL-W565, RL-W566	RLPFP-01
RL-W319	RL-W515, RL-W532, RL-W545, RL-W554, - RL- W687	RLPFP-01, RL327-07
RL-W320	RL-W568	RLPFP-05
RL-W321	RL-W520, RL-W523, RL-W537, RL-W 550	RLPFP-01
RL-W322	RL-W504, RL-W541	RLPFP-01, RLPFP-03
RL-W323	RL-W542, RL-W552	RLPFP-01
RL-W324	RL-W543, RL-W568	RLPFP-01, RLPFP-05
RL-W325	RL-W526, RL-W529, RL-W543, RL-W544, RL-W553	RLPFP-01
RL-W326	RL-W498, RL-W499, RL-W502,	RLPFP-03, RLPFP-04
RL-W327	RL-W327, RL-W499, RL-W507, RL-W516, RL-W534	RLPFP-01, RLPFP-03, RLPFP-04
RL-W328	RL-W328	Not reported in 2006
RL-W329	RL-W329, RL-W498 , RL-W521 , RL-W546	RLPFP-01, RLPFP-04
RL-W330	RL-W526, RL-W547	RLPFP-01
RL-W331	RL-W525, RL-W531, RL-W533, RL-W547, RL-W551, RL-W555	RLPFP-01
RL-W332	RL-W332	Not reported in 2006
RL-W333	RL-W333 RL-W548,	RLPFP-01
RL-W334	RL-W334	Not reported in 2006
RL-W335	RL-W580	RL2718-01
RL-W336	RL-W600	RL300-01
RL-W337	RL-W600, RL-W602, RL-W610, RL-W622, RL-W623	RL324-012, RL324-08
RL-W338	RL-W627, RL-W632, RL-W638, RL-W639, RL-W649	RL325-01, RL325-07
RL-W339	RL-W653, RL-W654	RL325-01
RL-W340	RL-W629, RL-W636, RL-W637, RL-W 640, RL-W642, RL-W643,	RL325-01, RL325-03

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
	RL-W644, RL-W645, RL-W646, RL-W647, RL-W648	
RL-W341	RL-W668, RL-W669, RL-W670, RL-W671	RL325-01, RL325-05
RL-W342	RL-W668, RL-W669, RL-W670, RL-W672, RL-W673	RL325-01, RL325-05
RL-W343	RL-W668, RL-W669, RL-W670, RL-W672, RL-W673	RL325-01
RL-W344	RL-W689	RL300-01
RL-W345	RL-W502, RL-W519	RLPFP-01, RLPFP-03
RL-W346	RL-W587	RL308-01
RL-W347	RL-W588	RL308-01
RL-W348	RL-W582, RL-W590	RL308-01
RL-W349	RL-W589	RL308-01
RL-W350	RL-W584, RL-W586	RL308-01
RL-W351	RL-W702	RLPRF-06
RL-W352	RL-W703	RLPRF-01
RL-W353	RL-W705	RLEST-03
RL-W354	RL-W706	RLCH2-02
RL-W355	RL-W707	RLESG-01
RL-W356	RL-W708, RL-W709, RL-W710, RL-W 712, RL-W713	RLESG-01
RL-W357	RL-W357, RL-W714	RLKAPL-03
RL-W358	RL-W716, RL-W718, RL-W719, RL-W720, RL-W721, RL-W723, RL-W 725, RL-W726, RL-W727, RL-W728, RL-W729	RLCFF-01
RL-W359	RL-W717, RL-W724	RLCFF-01
RL-W360	RL-W716, RL-W718, RL-W719, RL-W720, RL-W721, RL-W 725, RL-W726, RL-W727, RL-W728, RL-W729	RLCFF-01
RL-W361	RL-W715, RL-W723	RLCFF-03
RL-W362	RL-W462, RL-W463, RL-W466, RL-W467, RL-W474, RL-W477, RL-W478, RL-W479	RLPURX-01
RL-W363	RL-W471, RL-W472	RLPURX-01
RL-W364	RL-W449, RL-W450, RL-W451, RL-W456, RL-W453, RL-W466, RL-W468, RL-W473, RL-W475, RL-W476, RL-W478	RLPURX-01, RLPURX-05
RL-W365	RL-W454, RL-W460, RL-W464, RL-W476	RLPURX-05, RLPURX-01
RL-W366	RL-W366. RL-W466, RL-W472	RLPURX-01
RL-W367	RL-W482	RLPURX-05

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
RL-W368	RL-W483	RLPURX-05
RL-W369	RL-W748	RLCH2-05
RL-W370	RL-W748	RLCH2-05
RL-W371	RL-W746, RL-T114	RL209E-01
RL-W372	RL-W746	RLCH2-01
RL-W373	RL-W494, RL-W495, RL-W496	RL231Z-01, RL231Z-03
RL-W374	RL-W513	RLPFP-05
RL-W375	RL-W513	RLPFP-05
RL-W376	RL-W569, RL-W570	RLPFP-05
RL-W377	RL-W522, RL-W524, RL-W528, RL-W518, RL-W573, RL-W571, RL-W572, RL-W576, RL-W575, RL-W535, RL-W574, RL-W549, RL-W577 , RL-W578	RLPFP-05
RL-W378	RL-W527	RLPFP-05
RL-W379	RL-W528	RLPFP-05
RL-W380	RL-W498, RL-W499	RLPFP-04
RL-W381	RL-W536	RLPFP-01
RL-W382	RL-W382, RL-W540, RL-W560, RL-W566, RL-W573, RL-W575, RL-W576, RL-W577, RL-W578	RLPFP-01, RLPFP-05
RL-W383	RL-W500, RL-W567	RLPFP-03
RL-W384	RL-W581	RL2718-01
RL-W385	RL-W592	RL308-01
RL-W386	RL-W586	RL308-01
RL-W387	RL-W593 RL-W597	RL308-01
RL-W388	RL-W594, RL-W595, RL-W596, RL-W597, RL-W598, RL-W599	RL308-01
RL-W389	RL-W583 RL-W585	RL308-01
RL-W390	RL-W592	RL308-01
RL-W391	RL-W391	RL308-01
RL-W392	RL-W601, RL-W612, RL-W615, RL-W616	RL324-01, RL324-03, RL324-07
RL-W393	RL-W655, RL-W657, RL-W663	RL315-05, RL325-07
RL-W394	RL-W625, RL-W626, RL-W627, RL-W628, RL-W629, RL-W655, RL-W656, RL-W659	RL325-03, RL325-05
RL-W395	RL-W657, RL-W658, RL-W630, RL-W631	RL325-01, RL325-08
RL-W396	RL-W657	RL325-05
RL-W397	RL-W633, RL-W634, RL-W635, RL-W641, RL-W660, RL-W661, RL-W662, RL-W665, RL-W666	RL325-05
RL-W398	RL-W633, RL-W634, RL-W635,	RL325-05

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
	RL-W641, RL-W660, RL-W661, RL-W662, RL-W665, RL-W666	
RL-W399	RL-W685	RL327-05
RL-W400	RL-W685	RL-327-05
RL-W401	RL-W686, RL-W688	RL327-07
RL-W402	RL-W690	RL300-01
RL-W403	RL-W691, RL-W692, RL-W693, RL-W694	RL300-01
RL-W404	RL-W691, RL-W692, RL-W694	RL300-01
RL-W405	RL-W695, RL-W696, RL-W697	RL300-01
RL-W406	RL-W699	RL325-06
RL-W407	RL-W407	RLSWO-08
RL-W408	RL-W408	RLSWO-01
RL-W409	RL-W508, RL-W509, RL-W506, RL-W510, RL-W503, RL-W501, RL-W564, RL-W563, RL-W547, RL-W512, RL-W511, RL-W540, RL-W555, RL-W526, RL-W556, RL-W558, RL-W731, RL-W732, RL-W733, RL-W734, RL-W735, RL-W736, RL-W737, RL-W738, RL-W739, RL-W740, RL-W741, RL-W742, RL-W743, RL-W744, RL-W756	RLPFP-03, RLSWO-01
RL-W410	RL-W586, RL-W596 , RL-W597, RL-W598,RL-W599	RL308-01
RL-W411	RL-W491, RL-W492, RL-W493	RL231Z-01
RL-W412	RL-W685	RL327-05
RL-W413	N/A	N/A
RL-W414	N/A	N/A
RL-W415	RL-W415	RLSWO-01
RL-W416	RL-W513	RLPFP-05
RL-W417	N/A	N/A
RL-W418	RL-W418	RLSWO-01
RL-W419	RL-W419	RL105-07
RL-W420	RL-W420	RLCH2-08
RL-W421	RL-W421	RLCH2-08
RL-W422	RL-W745, RL-W746, RL-W747	RLCH2-01
RL-W423	N/A	N/A
RL-W424	N/A	N/A
RL-W425	N/A	N/A
RL-W426	N/A	N/A
RL-W427	N/A	N/A
RL-W428	RL-W428	RL105-07

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
RL-W429	N/A	N/A
RL-W430	N/A	N/A
RL-W431	N/A	N/A
RL-W432	N/A	N/A
RL-W433	RL-W433	RLCH2-08
RL-W434	N/A	N/A
RL-W435	N/A	N/A
RL-W436	RL-W436	RLCH2-08
RL-W437	N/A	N/A
RL-W438	RL-W438	RLSWO-01
RL-W439	N/A	N/A
RL-W440	RL-W445	RL105-09
RL-W440	RL-W445	RL105-09A
RL-W441	RL-W446	RL105-07
RL-W442	RL-W748, RL-W749, RL-W750, RL-W751, RL-W752, RL-W753	RLCH2-05
RL-W443	N/A	N/A
RL-W444	RL-W444	RLCH2-01
N/A	RL-W484	RL202S-01
N/A	RL-W486	RL202S-01
N/A	RL-W497	RL233S-01
N/A	RL-W579	RL2718-01
N/A	RL-W591	RL308-03
N/A	RL-W603	RL324-01
N/A	RL-W604	RL324-01
N/A	RL-W605	RL324-01
N/A	RL-W606	RL324-01
N/A	RL-W607	RL324-01
N/A	RL-W608	RL324-01
N/A	RL-W609	Not reported in 2006
N/A	RL-W613	RL324-07
N/A	RL-W614	RL324-08
N/A	RL-W617	RL324-07
N/A	RL-W619	RL324-08
N/A	RL-W620	RL324-07
N/A	RL-W621	RL324-08
N/A	RL-W650	Not reported in 2006
N/A	RL-W651	Not reported in 2006
N/A	RL-W652	Not reported in 2006
N/A	RL-W664	RL325-08
N/A	RL-W667	Not reported in 2006

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
N/A	RL-W674	RL325-05
N/A	RL-W675	RL327-01
N/A	RL-W676	RL325-05
N/A	RL-W677	RL327-05
N/A	RL-W678	RL317-01
N/A	RL-W679	RL327-01
N/A	RL-W680	RL327-05
N/A	RL-W681	RL327-01
N/A	RL-W682	RL327-07
N/A	RL-W683	RL327-07
N/A	RL-W698	RL325-05
N/A	RL-W711	RLESG-01
N/A	RL-W730	RL325-05
RL-Z001	RL-Z001	RL-Z001, RL618-01, RL618-07
N/A	RL-Z002	Not reported in 2006
N/A	RL-Z003	Not reported in 2006
N/A	N/A	RLWTP-08

F-2.7 Hanford Office of River Protection (RP)

The Hanford tank waste is maintained by the DOE's Office of River Protection (RP) and the waste streams are designated with an "RP" identifier.

Table F-8 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for the RP tank waste.

Table F-8. Hanford Office of River Protection Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
N/A	RP-W013	RP-W013
N/A	RP-W016	RP-W016
N/A	RP-W754	RP-W754
N/A	RP-W755	RP-W755
N/A	N/A	RP-TFC001
N/A	N/A	RP-TFC002
N/A	N/A	RP-TFC-003

F-2.8 Idaho National Laboratory (INL) - Formerly Idaho National Engineering and Environmental Laboratory (INEEL)

Table F-9 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Idaho National Laboratory (INL).

Table F-9. Idaho National Laboratory Waste Streams Crosswalk'

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
IN-W112	N/A	N/A
IN-W139.627, IN-W166.151, IN-W166.928IN-W170.189, IN-W170.938, IN-W171.184, IN-W171.801, IN-W172.182, IN-W172.911,IN-W186.187, INW187.1094,IN-W187.121,IN-W189.1048,IN-W189.131, IN-W199.1039IN-W199.209, IN-W202.1092,IN-W202.224, IN-W203.1081,IN-W203.210, IN-W203.211,IN-W203.212, IN-W205.1086, IN-W205.1087, IN-W205.220, IN-W225.127, IN-W225.800, IN-W259.552, IN-W259.920, IN-W260.565, IN-W260.566, IN-W260.567, IN-W260.568, IN-W260.916, IN-W265.516, IN-W265.517, IN-W269.510, IN-W269.535, , IN-W278.1090, IN-W278.495, IN-W281.487, IN-W281.488, IN-W283.481, IN-W283.534, IN-W283.963, IN-W283.964, IN-W285.471, IN-W285.815,	IN-BN-510	IN-BN510

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
IN-W287.460, IN-W289.466, IN-W291.454, IN-W291.455, IN-W291.456, IN-W296.331, IN-W302.299, IN-W302.913, IN-W306.632, IN-W306.633, IN-W306.634, IN-W306.635, IN-W308.618, IN-W308.621, IN-W311.1013, IN-W311.604, IN-W312.602, IN-W312.942, IN-W314.1017, IN-W314.606, IN-W317.1028, IN-W317.1029, IN-W317.757, IN-W317.758, IN-W327.1085, IN-W327.735, IN-W334.675, IN-W334.961, IN-W336.660, IN-W336.820, IN-W338.657, IN-W338.956, IN-W339.655, IN-W339.955, IN-W345.669, IN-W345.819, IN-W351.648, IN-W351.922, IN-W354.1016, IN-W354.858, IN-W355.1015, IN-W355.857, IN-W356.1014, IN-W356.856, IN-W367.840, IN-W367.973, IN-W370.929, IN-W371.1018, IN-W371.831, IN-W373.1003, IN-W373.830, IN-W374.1091, IN-W374.829		
IN-W157.906, IN-W157.907, IN-W157.144	IN-W157.144	IN-BN004
IN-W159.119, IN-W159.120, IN-W159.1072	IN-W159.1072	IN-W159.1072
IN-W163.234, IN-W163.1007	IN-W163.1007	IN-W163.1007
IN-W164.1060, IN-W164.153	IN-W164.153	IN-ID-S3150-A
IN-W167.926, IN-W167.149	IN-W167.149	IN-ID-RF-S3114
IN-W174.1082, IN-W174.154	IN-W174.154	IN-BN835
IN-W177.1083, IN-W177.156	IN-W177.156	IN-BN835
IN-W179.1084, IN-W179.158	IN-W179.158	IN-BN836
IN-W188.1093, IN-W188.160	IN-W188.160	IN-BN510
IN-W216.875, IN-W216.98, IN-W216.99, IN-W306.817, IN-W308.816	IN-W216.98	IN-BNINW216
IN-W218.109, IN-W218.909	IN-W218.909	IN-BNINW218
IN-W220.925, IN-W220.114	IN-W220.114	IN-BNINW218
IN-W221.113, IN-W221.927	IN-W221.927	IN-BN004
IN-W222.117, IN-W222.965, IN-W222.116	IN-W222.116	IN-W222.116

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
IN-W228.102, IN-W228.103, IN-W228.883,IN-W228.884, IN-W228.885, IN-W228.886, IN-W306.817, IN-W308.816, IN-W228.101	IN-W228.101	IN-BNINW216
IN-W240.272, IN-W240.931	IN-W240.931	IN-BN243, IN-BN510
IN-W243.274, IN-W243.275, IN-W243.276, IN-W243.277, IN-W243.808	IN-W243.808	IN-BN243, IN-BN510
IN-W245.1034, IN-W245.1035, IN-W245.302, IN-W245.301	IN-W245.301	IN-ID-RF-S5100-A
IN-W247.1038, IN-W247.523, IN-W247.524, IN-W247.810	IN-W247.810	IN-ID-RF-S5100-A
IN-W249.528, IN-W249.527, IN-W249.1071	IN-W249.527	IN-BN304, IN-BN510
IN-W257.558, IN-W257.947	IN-INTEC-SFS-01	IN-INTEC-SFS-01
IN-W259.921, IN-W349.667, IN-W349.924	IN-AE-AGHF-01	IN-AE-AGHF-01
IN-W267.514, IN-W267.1005	IN-W267.1005	IN-W267.1005
IN-W309.610, IN-W308.816, IN-W306.817, IN-W309.609	IN-W309.609	IN-ID-RF-3114
IN-W319.583, IN-W319.584	IN-W319.584	IN-W319.584
IN-W321.578, IN-W321.1023	IN-W321.1023	IN-W321.1023
IN-W332.962, IN-W332.661	IN-W332.661	IN-W332.661
IN-W347.646, IN-W347.818	IN-W347.818	IN-W347.818
IN-W348.846, IN-W348.1012	IN-W348.1012	IN-W348.1012
IN-W357.850, IN-W357.1022	IN-W357.1022	IN-W357.1022
IN-W361.849, IN-W361.1021	IN-W361.1021	IN-W361.1021
IN-W362.848, IN-W362.1020	IN-W362.1020	IN-W362.1020
IN-W363.847, IN-W363.1019	IN-W363.1019	IN-W363.1019
IN-W364.844, IN-W364.845, IN-W364.1011	IN-W364.1011	IN-W364.1011
IN-W365.842, IN-W365.843, IN-W365.1010	IN-W365.1010	IN-W365.1010
IN-W366.1004, IN-W366.841	IN-W366.841	IN-W366.841
IN-W375.827, IN-W375.1096	IN-W375.1096	IN-W375.1096
IN-W263.520	IN-W263.520	IN-W263.520
IN-W353.859	IN-W353.859	IN-W353.859
IN-W315.601	IN-W315.601	IN-W315.601
IN-W181.162	IN-W181.162	IN-W181.162
IN-W219.110	IN-W219.110	IN-W219.110
IN-W219.914	IN-W219.914	IN-W219.914
IN-W322.851	IN-W322.851	IN-W322.851
IN-W322.952	IN-W322.952	IN-W322.952

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
IN-W323.562	IN-W323.562	IN-W323.562
IN-W323.951	IN-W323.951	IN-W323.951
IN-W337.673	IN-W337.673	IN-W337.673
IN-W337.957	IN-W337.957	IN-W337.957
IN-W341.671	IN-W341.671	IN-W341.671
IN-W341.954	IN-W341.954	IN-W341.954
IN-W342.652	IN-W342.652	IN-W342.652
IN-W342.953	IN-W342.953	IN-W342.953
IN-W358.854	IN-W358.854	IN-W358.854
IN-W358.855	IN-W358.855	IN-W358.855
IN-W358.948	IN-W358.948	IN-W358.948
IN-W358.949	IN-W358.949	IN-W358.949
IN-W372.832	IN-W372.832	IN-W372.832
IN-W372.918	IN-W372.918	IN-W372.918
N/A	IN-NRF-153	IN-NRF-153
N/A	IN-TRA-150	IN-TRA-150
N/A	IN-TRA-157	IN-TRA-157
N/A	IN-AW-161	IN-AW-161
IN-Z001	IN-GEM-01	IN-GEM-01
IN-Z001	IN-GEM-02	IN-GEM-02
IN-W325.1076	IN-W325.1076	IN-W325.1076
IN-W325.679	IN-W325.679	IN-W325.679
IN-W350.650	IN-W350.650	IN-W350.650
IN-W350.923	IN-W350.923	IN-W350.923
IN-W353.917	IN-W353.917	IN-W353.917
IN-W359.853	IN-W359.853	IN-W359.853
IN-W360.852	IN-W360.852	IN-W360.852
IN-W360.912	IN-W360.912	IN-W360.912
IN-W146.699	IN-W146.699	IN-W146.699
N/A	IN-SBW-01A	IN-SBW-01A
N/A	IN-SBW-01B	IN-SBW-01B
N/A	IN-TRA-BE-01	AW-IN-TRA-BE-01—transferred to MFC
IN-Z001	IN-Z001	ID-SDA-Sludge, ID-SDA-Debris
N/A	IN-Z001A	ID-SDA-Sludge, ID-SDA-Debris
N/A	IN-ICP-002	ID-SDA-Sludge
N/A	IN-ICP-003	ID-SDA-Sludge
N/A	IN-ICP-004	ID-SDA- Debris
N/A	IN-ICP-005	ID-SDA-Debris
IN-W208.243	IN-BN510	IN-W208.243

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
IN-W252.282	IN-BN510	IN-W252.282
IN-W254.1045	IN-BN510	IN-W254.1045
IN-W294.343	IN-BN510	IN-W294.343
IN-W296.318	IN-BN510	IN-W296.318
IN-W296.330	IN-BN510	IN-W296.330
IN-W206.935, IN-W206.936, IN-W207.238, IN-W207.980, IN-W207.981, IN-W208.242, IN-W208.988, IN-W209.994, IN-W210.1001, IN-W210.247, IN-W210.1009, IN-W211.249, IN-W212.1058, IN-W212.251	IN-BN510	IN-BN211, IN-BN510
IN-W213.1069, 213.252, IN-W213.253, IN-W214.1075, IN-W214.755, IN-214.756, IN-W256.1062, IN-W256.295, IN-W271.532, IN-W271.533, IN-W280.1066, IN-W280.448, IN-W280.449, IN-W304.860, IN-W304.861, IN-W305.1068, IN-W305.828, IN-W329.681, IN-W329.682, IN-W330.667, IN-W330.678, IN-W204.215, IN-W204.216, IN-W204.217, IN-W249.527, IN-W249.528	IN-BN510	IN-BN304, IN-BN510
IN-W250.259, IN-W250.941, IN-W252.1000, IN-W252.283, IN-W252.811, IN-W254.1044, IN-W254.289, IN-W254.290	IN-BN510	IN-BN252, IN-BN510
IN-W294.1057, IN-W294.342, IN-W294.814, IN-W296.327, IN-W296.329, IN-W296.813, IN-W298.317, IN-W298.812, IN-W298.979, IN-W300.308, IN-W300.930	IN-BN510	IN-BN296, IN-BN510
IN-W169.191, IN-W169.192, IN-W169.193, IN-W169.194, IN-W169.985, IN-W197.196, IN-W197.197, IN-W197.198, IN-W197.802, IN-W197.803, IN-198.202, IN-W198.203, IN-W198.204, IN-W198.205, IN-W198.804	IN-BN510	IN-ID-S5300-A
IN-W370.836, IN-W272.504, IN-W272.974, IN-W275.502, IN-W275.967, IN-W276.500, IN-W276.966, IN-W368.839, IN-W368.971, IN-W369.837, IN-W369.970	IN-BN510	IN-ID-RF-S5126
IN-W161.231, IN-W161.806, IN-	IN-BN510	IN-BN161, IN-BN510

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
W230.229, IN-W230.940		
IN-W216.876,	IN-W216.98	IN-W216.876
IN-W216.877	IN-W216.98	IN-W216.877

F-2.91.10 Knolls Atomic Power Laboratory (KAPL)

Table F-10 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Knolls Atomic Power Laboratory (KAPL).

Table F-10. Knolls Atomic Power Laboratory Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
KA-T001	KA-T001	KA-T001
KA-W016	KA-W016	KA-W016

F-2.10 Knolls Atomic Power Laboratory-Nuclear Fuel Services (KAPL-NFS)

Table F-11 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Knolls Atomic Power Laboratory-Nuclear Fuel Services (KAPL-NFS).

Table F-11. Knolls Atomic Power Laboratory-Nuclear Fuel Services Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
N/A	KN-B234TRU	KN-B234TRU
N/A	KN-B234PCBTRU	KN-B234PCBTRU

F-2.11 Lawrence Livermore National Laboratory (LLNL)

Table F-12 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Lawrence Livermore National Laboratory (LLNL).

Table F-12. Lawrence Livermore National Laboratory Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LL-M001	LL-M001	LL-T002, LL-T005
LL-T001	LL-T001	LL-T001
LL-T002	LL-M001	LLM001

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LL-T003	LL-T003	LL-T003
LL-T004	LL-T004	LL-T004
LL-T005	LL-T005: LL-W034	LL-M001
LL-W018	LL-W018	LL-W018a
LL-W019	LL-W019	LL-W019
N/A	N/A	LL-W018b

F-2.12 Los Alamos National Laboratory (LANL)

Table F-13 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Los Alamos National Laboratory (LANL).

Table F-13. Los Alamos National Laboratory Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-M002	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19, LA-TA-50-19, LA-TA-21-06, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-M002	LA-TA-03-28	LA-TA-03-28
LA-M002	LA-TA-21-13	LA-TA-21-13
LA-M002	LA-TA-21-43	LA-TA-21-13
LA-M002	LA-TA-50-17	LA-TA-50-17
LA-M002	LA-TA-50-18	LA-TA-50-18
LA-M002	LA-TA-55-30	LA-TA-55-30
LA-T001	LA-TA-00-01	LA-TA-00-01
LA-T001	Not reported in 2004	LA-TA-21-11
LA-T001	LA-TA-21-42	Not reported in 2006
LA-T001	LA-TA-50-11	Not reported in 2006
LA-T001	Not reported in 2004	LA-TA-50-12
LA-T001	LA-TA-50-15	LA-TA-50-15
LA-T001	Not reported in 2004	LA-TA-50-16
LA-T001	LA-TA-55-19	Not reported in 2006
LA-T001	Not reported in 2004	LA-TA-55-21
LA-T001	Not reported in 2004	LA-TA-55-27
LA-T001	LA-TA-55-30	Not reported in 2006
LA-T001	LA-TA-55-44	LA-TA-55-44
LA-T002	Not reported in 2004	LA-TA-03-01
LA-T002	LA-TA-50-17	LA-TA-50-17

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-T002	Not reported in 2004	LA-TA-55-17B
N/A	LA-0S-00-01	LA-0S-00-01
LA-T004	LA-IT-00-01	LA-TA-00-01
LA-T004	LA-PX-00-01	LA-PX-00-01
LA-T004	LA-TA-00-02	LA-TA-00-02
LA-T004	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19, LA-TA-55-01, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-T004	LA-TA-00-06	LA-TA-03-13, LA-TA-03-14, LA-TA-55-01, LA-TA-55-03, LA-TA-55-04, LA-TA-55-05, LA-TA-55-07, LA-TA-55-08, LA-TA-55-09, LA-TA-55-12, LA-TA-55-17B, LA-TA-55-25, LA-TA-55-50, LANHD02238, LAMHD01
LA-T004	LA-TA-00-07	LA-TA-03-12, LA-TA-03-13, LA-TA-03-14, LA-TA-03-15, LA-TA-50-17, LA-TA-55-05, LA-TA-55-60, LAMHD03
LA-T004	Not reported in 2004	LA-TA-03-03
LA-T004	Not reported in 2004	LA-TA-03-05
LA-T004	Not reported in 2004	LA-TA-03-10
LA-T004	LA-TA-03-12	LA-TA-03-12
LA-T004	LA-TA-03-13	LA-TA-03-13
LA-T004	LA-TA-03-19	LA-TA-03-19
LA-T004	LA-TA-03-20	LA-TA-03-20
LA-T004	LA-TA-03-24	LA-TA-03-24
LA-T004	LA-TA-03-26	Not reported in 2006
LA-T004	LA-TA-03-30	LA-TA-03-30
LA-T004	LA-TA-21-06	LA-TA-21-06
LA-T004	LA-TA-21-12	LA-TA-21-12
LA-T004	LA-TA-21-15	LA-TA-21-15
LA-T004	Not reported in 2004	LA-TA-21-40
LA-T004	LA-TA-21-42	Not reported in 2006
LA-T004	LA-TA-48-01	LA-TA-48-01
LA-T004	Not reported in 2004	LA-TA-50-02
LA-T004	LA-TA-50-11	LA-TA-50-11
LA-T004	LA-TA-50-15	LA-TA-50-15
LA-T004	LA-TA-50-40	Not reported in 2006
LA-T004	LA-TA-55-19	LA-TA-55-19
LA-T004	LA-TA-55-20	LA-TA-55-20

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-T004	LA-TA-55-21	Not reported in 2006
LA-T004	LA-TA-55-30	LA-TA-55-30
LA-T004	LA-TA-55-33	LA-TA-55-33
LA-T004	LA-TA-55-38	Not reported in 2006
LA-T004	LA-TA-55-43	LA-TA-55-43
LA-T004	LA-TA-55-44	LA-TA-55-44
LA-T004	LA-TA-55-48	LA-TA-55-19, LA-TA-55-30, LA-TA-55-33, LA-TA-55-42
LA-T004	LA-TA-55-49	LA-TA-55-14, LA-TA-55-15, LA-TA-55-19, LA-TA-55-23, LA-TA-55-30, LA-TA-55-32, LA-TA-55-36, LA-TA-55-38, LA-TA-55-39, LAMHD01
LA-T004	Not reported in 2004	LA-TA-55-54
LA-T004	LA-TA-55-56	LA-TA-55-56
LA-T005	LA-IT-00-01	LA-TA-00-01
LA-T005	LA-SL-00-01	LA-TA-00-01
LA-T005	LA-TA-00-01	LA-TA-00-01
LA-T005	LA-TA-00-02	LA-TA-00-02
LA-T005	LA-TA-00-04	LA-TA-00-01
LA-T005	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19, LA-TA-55-01, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-T005	LA-TA-00-06	LA-TA-03-13, LA-TA-03-14, LA-TA-55-01, LA-TA-55-03, LA-TA-55-04, LA-TA-55-05, LA-TA-55-07, LA-TA-55-08, LA-TA-55-09, LA-TA-55-12, LA-TA-55-17B, LA-TA-55-25, LA-TA-55-50, LANHD02238, LAMHD01
LA-T005	LA-TA-00-07	LA-TA-03-12, LA-TA-03-13, LA-TA-03-14, LA-TA-03-15, LA-TA-50-17, LA-TA-55-05, LA-TA-55-60, LAMHD03
LA-T005	Not reported in 2004	LA-TA-03-05
LA-T005	Not reported in 2004	LA-TA-03-07
LA-T005	Not reported in 2004	LA-TA-03-08
LA-T005	Not reported in 2004	LA-TA-03-10
LA-T005	Not reported in 2004	LA-TA-03-16
LA-T005	Not reported in 2004	LA-TA-03-17
LA-T005	Not reported in 2004	LA-TA-03-18
LA-T005	LA-TA-03-19	LA-TA-03-19

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-T005	LA-TA-03-20	Not reported in 2006
LA-T005	Not reported in 2004	LA-TA-03-21
LA-T005	Not reported in 2004	LA-TA-03-23
LA-T005	LA-TA-03-24	LA-TA-03-24
LA-T005	Not reported in 2004	LA-TA-03-33
LA-T005	LA-TA-03-42	Not reported in 2006
LA-T005	Not reported in 2004	LA-TA-21-05
LA-T005	Not reported in 2004	LA-TA-21-08
LA-T005	Not reported in 2004	LA-TA-21-09
LA-T005	Not reported in 2004	LA-TA-21-10
LA-T005	LA-TA-21-12	LA-TA-21-12
LA-T005	LA-TA-48-01	LA-TA-48-01
LA-T005	LA-TA-50-11	Not reported in 2006
LA-T005	Not reported in 2004	LA-TA-50-12
LA-T005	Not reported in 2004	LA-TA-50-13
LA-T005	Not reported in 2004	LA-TA-50-14
LA-T005	Not reported in 2004	LA-TA-50-16
LA-T005	Not reported in 2004	LA-TA-55-18
LA-T005	LA-TA-55-19	LA-TA-55-19
LA-T005	LA-TA-55-20	Not reported in 2006
LA-T005	LA-TA-55-21	LA-TA-55-21
LA-T005	LA-TA-55-22	LA-TA-55-22
LA-T005	LA-TA-55-23	LA-TA-55-23
LA-T005	LA-TA-55-24	LA-TA-55-24
LA-T005	LA-TA-55-25	LA-TA-55-25
LA-T005	Not reported in 2004	LA-TA-55-26
LA-T005	L A-TA-55-28	Not reported in 2006
LA-T005	LA-TA-55-30	LA-TA-55-30
LA-T005	Not reported in 2004	LA-TA-55-31
LA-T005	LA-TA-55-32	Not reported in 2006
LA-T005	LA-TA-55-33	Not reported in 2006
LA-T005	LA-TA-55-34	LA-TA-55-34
LA-T005	LA-TA-55-38	Not reported in 2006
LA-T005	LA-TA-55-39	LA-TA-55-39
LA-T005	Not reported in 2004	LA-TA-55-42
LA-T005	LA-TA-55-43	LA-TA-55-43
LA-T005	LA-TA-55-44	LA-TA-55-44
LA-T005	LA-TA-55-49	LA-TA-55-14, LA-TA-55-15, LA-TA-55-19, LA-TA-55-23, LA-TA-55-30, LA-TA-55-32, LA-TA-55-36, LA-TA-55-38, LA-TA-55-39, LAMHD01

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-T005	LA-TA-55-53	Not reported in 2006
LA-T005	LA-TA-55-56	LA-TA-55-56
LA-T005	LA-TA-55-60	LA-TA-55-60
LA-T006	Not reported in 2004	LA-TA-00-01
LA-T006	LA-TA-00-02	LA-TA-00-02
LA-T006	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19, LA-TA-55-01, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-T006	Not reported in 2004	LA-TA-03-10
LA-T006	Not reported in 2004	LA-TA-03-28
LA-T006	Not reported in 2004	LA-TA-21-09
LA-T006	LA-TA-21-15	LA-TA-21-15
LA-T006	LA-TA-21-12	Not reported in 2006
LA-T006	LA-TA-48-01	LA-TA-48-01
LA-T006	LA-TA-50-15	LA-TA-50-15
LA-T006	LA-TA-55-30	LA-TA-55-30
LA-T006	LA-TA-55-32	LA-TA-55-32
LA-T006	LA-TA-55-33	LA-TA-55-33
LA-T006	Not reported in 2004	LA-TA-55-36
LA-T006	Not reported in 2004	LA-TA-55-37
LA-T006	LA-TA-55-38	Not reported in 2006
LA-T006	LA-TA-55-44	LA-TA-55-44
LA-T006	LA-TA-55-49	LA-TA-55-14, LA-TA-55-15, LA-TA-55-19, LA-TA-55-23, LA-TA-55-30, LA-TA-55-32, LA-TA-55-36, LA-TA-55-38, LA-TA-55-39, LAMHD01
LA-T007	LA-TA-03-24	Not reported in 2006
LA-T007	LA-TA-03-26	LA-TA-03-26
LA-T007	Not reported in 2004	LA-LAMHD03
LA-T008	LA-TA-00-01	LA-TA-00-01
LA-T008	LA-TA-03-29	LA-TA-03-29
LA-T008	LA-TA-21-14	LA-TA-21-14
LA-T008	LA-TA-21-41	Not reported in 2006
LA-T008	LA-TA-21-44	LA-TA-21-14
LA-T008	LA-TA-50-20	LA-TA-50-20
LA-T009	LA-IT-00-01	LA-TA-00-01
LA-T009	LA-OS-00-02	LA-OS-00-03
LA-T009	LA-TA-00-01	LA-TA-00-01
LA-T009	LA-TA-00-02	LA-TA-00-02

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-T009	LA-TA-00-04	LA-TA-00-01
LA-T009	LA-TA-00-07	LA-TA-03-12, LA-TA-03-13, LA-TA-03-14, LA-TA-03-15, LA-TA-50-17, LA-TA-55-05, LA-TA-55-60, LAMHD03
LA-T009	Not reported in 2004	LA-TA-03-10
LA-T009	LA-TA-03-12	LA-TA-03-12
LA-T009	LA-TA-03-13	Not reported in 2006
LA-T009	Not reported in 2004	LA-TA-03-16
LA-T009	LA-TA-03-19	LA-TA-03-19
LA-T009	LA-TA-03-20	LA-TA-03-20
LA-T009	Not reported in 2004	LA-TA-03-21
LA-T009	LA-TA-03-24	LA-TA-03-24
LA-T009	Not reported in 2004	LA-TA-03-25
LA-T009	LA-TA-03-26	LA-TA-03-26
LA-T009	Not reported in 2004	LA-TA-03-32
LA-T009	Not reported in 2004	LA-TA-03-34
LA-T009	LA-TA-03-40	Not reported in 2006
LA-T009	LA-TA-03-42	LA-TA-03-42
LA-T009	Not reported in 2004	LA-TA-21-07
LA-T009	LA-TA-21-12	Not reported in 2006
LA-T009	LA-TA-21-41	LA-TA-21-41
LA-T009	LA-TA-21-42	LA-TA-21-42
LA-T009	LA-TA-21-44	LA-TA-21-14
LA-T009	LA-TA-50-11	Not reported in 2006
LA-T009	Not reported in 2004	LA-TA-50-12
LA-T009	Not reported in 2004	LA-TA-50-14
LA-T009	LA-TA-50-15	LA-TA-50-15
LA-T009	LA-TA-50-17	LA-TA-50-17
LA-T009	LA-TA-50-19	LA-TA-50-19
LA-T009	LA-TA-50-41	LA-TA-50-41
LA-T009	Not reported in 2004	LA-TA-55-18
LA-T009	LA-TA-55-19	LA-TA-55-19
LA-T009	Not reported in 2004	LA-TA-55-21
LA-T009	Not reported in 2004	LA-TA-55-25
LA-T009	LA-TA-55-30	LA-TA-55-30
LA-T009	Not reported in 2004	LA-TA-55-31
LA-T009	LA-TA-55-33	Not reported in 2006
LA-T009	LA-TA-55-34	LA-TA-55-34
LA-T009	LA-TA-55-38	Not reported in 2006
LA-T009	LA-TA-55-44	LA-TA-55-44
LA-T009	LA-TA-55-48	LA-TA-55-19, LA-TA-55-30,

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
		LA-TA-55-33, LA-TA-55-42
LA-T009	LA-TA-55-49	LA-TA-55-14, LA-TA-55-15, LA-TA-55-19, LA-TA-55-23, LA-TA-55-30, LA-TA-55-32, LA-TA-55-36, LA-TA-55-38, LA-TA-55-39, LAMHD01
LA-T009	LA-TA-55-53	Not reported in 2006
LA-T009	LA-TA-55-56	LA-TA-55-56
LA-T009	LA-TA-55-60	LA-TA-55-60
LA-T009	LA-TA-55-62	LA-TA-55-62
LA-T009	LA-TA-55-63	LA-TA-55-63
LA-TR04	LA-TA-03-27	LA-TA-03-27
LA-TR05	LA-TA-03-27	LA-TA-03-27
LATR07	LA-TA-00-02	LA-TA-00-02
LATR07	LA-TA-03-27	LA-TA-03-27
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-00-02	LA-TA-00-02
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-00-04	LA-TA-00-01
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19, LA-TA-55-01, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-W001 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-10
LA-W001 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-14
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-03-19	Not reported in 2006
LA-W001 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-21
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-03-24	Not reported in 2006
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-03-40	Not reported in 2006
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-21-12	Not reported in 2006
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-21-40	Not reported in 2006
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-21-42	Not reported in 2006
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-49-01	LA-TA-00-01
LA-W001 is LA-M001 (This is LANL	LA-TA-50-11	Not reported in 2006

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
Local ID.)		
LA-W001 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-TA-50-12
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-50-15	LA-TA-50-15
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-50-40	Not reported in 2006
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-55-19	Not reported in 2006
LA-W001 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-21
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-55-30	LA-TA-55-30
LA-W001 is LA-M001 (This is LANL Local ID.)	LA-TA-55-44	LA-TA-55-44
LA-W001 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-LAMHD01
LA-W003 is LA-M003 (This is LANL Local ID.)	LA-TA-00-01	LA-TA-00-01
LA-W003 is LA-M003 (This is LANL Local ID.)	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19, LA-TA-55-01, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-W003 is LA-M003 (This is LANL Local ID.)	LA-TA-21-43	LA-TA-21-13
LA-W003 is LA-M003 (This is LANL Local ID.)	LA-TA-50-10	LA-TA-50-10
LA-W003 is LA-M003 (This is LANL Local ID.)	LA-TA-50-19	LA-TA-50-19
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19, LA-TA-55-01, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-00-06	LA-TA-03-13, LA-TA-03-14, LA-TA-55-01, LA-TA-55-03, LA-TA-55-04, LA-TA-55-05, LA-TA-55-07, LA-TA-55-08, LA-TA-55-09, LA-TA-55-12, LA-TA-55-17B, LA-TA-55-25, LA-TA-55-50, LANHD02238, LAMHD01
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-00-07	LA-TA-03-12, LA-TA-03-13, LA-TA-03-14, LA-TA-03-15, LA-TA-50-17, LA-TA-55-05, LA-TA-55-60, LAMHD03

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-W004 is LA-M004 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-10
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-03-12	LA-TA-03-12
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-03-13	LA-TA-03-13
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-03-19	Not reported in 2006
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-03-20	Not reported in 2006
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-21-06	LA-TA-21-06
LA-W004 is LA-M004 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-02
LA-W004 is LA-M004 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-10
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-55-19	LA-TA-55-19
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-55-20	LA-TA-55-20
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-55-30	LA-TA-55-30
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-55-44	LA-TA-55-44
LA-W004 is LA-M004 (This is LANL Local ID.)	LA-TA-55-56	LA-TA-55-56
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-00-02	LA-TA-00-02
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-00-04	LA-TA-00-01
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-00-06	LA-TA-03-13, LA-TA-03-14, LA-TA-55-01, LA-TA-55-03, LA-TA-55-04, LA-TA-55-05, LA-TA-55-07, LA-TA-55-08, LA-TA-55-09, LA-TA-55-12, LA-TA-55-17B, LA-TA-55-25, LA-TA-55-50, LANHD02238, LAMHD01
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-00-07	LA-TA-03-12, LA-TA-03-13, LA-TA-03-14, LA-TA-03-15, LA-TA-50-17, LA-TA-55-05, LA-TA-55-60, LAMHD03
LA-W005 is LA-M005 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-04
LA-W005 is LA-M005 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-06
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-03-13	Not reported in 2006
LA-W005 is LA-M005 (This is LANL	LA-TA-03-19	Not reported in 2006

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
Local ID.)		
LA-W005 is LA-M005 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-21
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-03-24	Not reported in 2006
LA-W005 is LA-M005 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-06
LA-W005 is LA-M005 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-10
LA-W005 is LA-M005 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-15
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-19	LA-TA-55-19
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-21	LA-TA-55-21
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-22	LA-TA-55-22
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-23	LA-TA-55-23
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-28	LA-TA-55-28
LA-W005 is LA-M005 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-29
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-30	LA-TA-55-30
LA-W005 is LA-M005 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-31
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-32	Not reported in 2006
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-34	Not reported in 2006
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-38	Not reported in 2006
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-39	LA-TA-55-39
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-43	Not reported in 2006
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-44	LA-TA-55-44
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-53	LA-TA-55-53
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-56	Not reported in 2006
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-60	Not reported in 2006
LA-W005 is LA-M005 (This is LANL Local ID.)	LA-TA-55-61	LA-TA-55-61
LA-W006 is LA-M006	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19,

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
		LA-TA-55-01, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-W006 is LA-M006	Not reported in 2004	LA-TA-03-28
LA-W006 is LA-M006	LA-TA-03-30	Not reported in 2006
LA-W006 is LA-M006	LA-TA-21-16	LA-TA-21-16
LA-W006 is LA-M006	LA-TA-50-19	LA-TA-50-19
LA-W006 is LA-M006	LA-TA-55-30	Not reported in 2006
LA-W006 is LA-M006	LA-TA-55-32	Not reported in 2006
LA-W006 is LA-M006	Not reported in 2004	LA-TA-55-35
LA-W006 is LA-M006	LA-TA-55-38	LA-TA-55-38
LA-W006 is LA-M006	LA-TA-55-41	LA-TA-55-41
LA-W006 is LA-M006	LA-TA-55-44	LA-TA-55-44
LA-W006 is LA-M006	LA-TA-55-49	LA-TA-55-14, LA-TA-55-15, LA-TA-55-19, LA-TA-55-23, LA-TA-55-30, LA-TA-55-32, LA-TA-55-36, LA-TA-55-38, LA-TA-55-39, LAMHD01
LA-W006 is LA-M006	LA-TA-55-53	Not reported in 2006
LA-W006 is LA-M006	LA-TA-03-31	LA-TA-03-31
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-IT-00-01	LA-TA-00-01
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-00-01	LA-TA-00-01
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-00-02	LA-TA-00-02
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-00-03	LA-TA-00-01
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-00-04	LA-TA-00-01
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-10
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-12
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-03-13	Not reported in 2006
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-14
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-03-19	LA-TA-03-19
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-20
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-23
LA-W009 is LA-M009 (This is LANL	LA-TA-03-28	LA-TA-03-28

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
Local ID.)		
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-03-40	LA-TA-03-40
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-21-16	LA-TA-21-16
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-21-18
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-21-40	LA-TA-21-40
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-50-11
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-50-15	LA-TA-50-15
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-50-17	LA-TA-50-17
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-50-18	LA-TA-50-18
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-50-19	LA-TA-50-19
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-50-40	LA-TA-50-40
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-19	LA-TA-55-19
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-21
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-30	LA-TA-55-30
LA-W009 is LA-M009 (This is LANL Local ID.)	Not reported in 2004	LA-TA-55-31
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-38	LA-TA-55-38
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-44	LA-TA-55-44
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-49	LA-TA-55-14, LA-TA-55-15, LA-TA-55-19, LA-TA-55-23, LA-TA-55-30, LA-TA-55-32, LA-TA-55-36, LA-TA-55-38, LA-TA-55-39, LAMHD01
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-53	Not reported in 2006
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-56	Not reported in 2006
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-60	LA-TA-55-60
LA-W009 is LA-M009 (This is LANL Local ID.)	LA-TA-55-61	LA-TA-55-61
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-00-01	LA-TA-00-01

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-00-02	LA-TA-00-02
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-00-04	LA-TA-00-01
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-00-05	LA-TA-03-12, LA-TA-55-19, LA-TA-55-01, LA-TA-21-06, LA-TA-21-12, LA-TA-21-07, LA-TA-55-30, LA-TA-21-13, LA-TA-21-15, LA-TA-21-16, LA-TA-21-17
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-03-12	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-14
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-03-19	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-TA-03-21
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-03-24	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-03-40	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-21-12	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-21-40	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-21-42	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-49-01	LA-TA-00-01
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-50-11	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	Not reported in 2004	LA-TA-50-12
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-50-15	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-50-40	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-55-19	Not reported in 2006
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-55-30	LA-TA-55-30
LA-W066 is LA-M001 (This is LANL Local ID.)	LA-TA-55-44	LA-TA-55-44
LA-W067 is LA-T004 (This is LANL Local ID.)	See LANL LA-T004	LA-TA-00-01
LA-W068 is LA-T005 (This is LANL Local ID.)	See LANL LA-T005	LA-TA-00-01

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
LA-WR01 is LA-MR01 (This is LANL Local ID.)	LA-TA-00-01, LA-TA-03-27	Not reported in 2006
LA-WR05 is LA-MR05 (This is LANL Local ID.)	LA-TA-03-27	LA-TA-03-27
N/A	LA-TA-55-52	LA-TA-55-52
LA-Z001	Not reported in 2004	Not reported in 2006

F-2.13 Nevada Test Site (NTS)

Table F-14 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for the Nevada Test Site (NTS).

Table F-14. Nevada Test Site Laboratory Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
NT-W001	NT-W001	NT-W001
NT-W021	NT-W021	NT-W021
N/A	NT-JAS-01	NT-JAS-01

F-2.14 Oak Ridge National Laboratory (ORNL)

Table F-15 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Oak Ridge National Laboratory (ORNL).

Table F-15. Oak Ridge National Laboratory Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
OR-W041, OR-W052, OR-W053	OR-W201	OR-W201
OR-W044, OR-W045, OR-W047, OR-W048	OR-W202	OR-W202
N/A	OR-W203	OR-W203
N/A	OR-W204	OR-W204
N/A	N/A	OR-W205
OR-W054	OR-W211	OR-W211
OR-W040, OR-W043	OR-W212	OR-W212
N/A	OR-W213	OR-W213
N/A	OR-W214	OR-W214
OR-W042, OR-W046	OR-W215	OR-W215
OR-W051	N/A	N/A
OR-W049	N/A	N/A
OR-W050	N/A	N/A

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
OR-Z001	Unavailable	Unavailable

F-2.15 Paducah Gaseous Diffusion Plant (PA)

Table F-16 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Paducah.

Table F-16. Paducah Gaseous Diffusion Plant Laboratory Waste Stream Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
PA-A015	PA-A015	PA-A015
PA-B015	PA-B015	PA-B015
PA-W014	PA-W014	PA-W014

F-2.16 Sandia National Laboratories (SA)

Table F-17 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for Sandia National Laboratories (SNL).

Table F-17. Sandia National Laboratories Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
SA-T001	SA-T001	SA-T001
SA-W134	SA-W134,	SA-W134
SA-W134	SA-W134M	SA-W134M
SA-W134	SA-W135	SA-W135
N/A	N/A	SA-W136
SA-Z001	SA-Z001	Unavailable

F-2.17 Savannah River Site (SR)

Table F-18 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for the Savannah River Site (SRS).

Table F-18. Savannah River Site Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
T001-221F-MET,T001-221F-VIT, T001-221F-HET	T001-221F-HET	SR-W026-221F-HET
T001-221H-MET, T001-221H-VIT, T001-221H-HET	T001-221H-HET	SR-T001-221H-HEPA
T001-235F-MET, T001-235F-VIT, T001-235F-HET	T001-235F-HET	SR-W027-235F-HET
T001-772F-MET, T001-772F-VIT, T001-772F-HET	T001-772F-HET	SR-W026-772F-HET
T001-773A-MET, T001-773A-VIT, T001-773A-HET	T001-773A-HET	SR-W027-773A-HET
T001-773A-CLA	T001-773A-CLAS	SR-T001-773A-CLAS
T003-773A-VIT, T003-773A-HET	T003-773A-HET	SR-T003-773A-HET
W006-773A-VIT	W006-773A-VIT	SR-W027-773A-HET
W026-221F-VIT, W026-221F-HET	W026-221F-HET	SR-W026-221F-HET
W026-221H-VIT, W026-221H-HE	W026-221H-HET	SR-W027-221H-HET-A, SR-W027-221H-HET-B
W026-235F-VIT, W026-235F-HET	W026-235F-HET	SR-W027-235F-HET
W026-772F-VIT, W026-772F-HET	W026-772F-HET	SR-W026-772F-HET
W026-773A-VIT, W026-773A-HE	W026-773A-HET	SR-W027-773A-HET
W027-221F-ME, W027-221F-VIT, W027-221F-HET	W027-221F-HET	SR-W027-221F-HET
W027-221H-ME, W027-221H-VIT, W027-221H-HE	W027-221H-HET	SR-W027-221H-HET-A, SR-W027-221H-HET-B
W027-235F-ME W027-235F-VIT, W027-235F-HET	W027-235F-HET	SR-W0235F-HET
W027-772F-ME, W027-772F-VIT, W027-772F-HET	W027-772F-HET	SR-W026-772F-HET
W027-773A-ME, W027-773A-VIT, W027-773A-HE	W027-773A-HET	SR-W027-773A-HET
W027-999-VIT, W027-999-HET, MD-M001, MD-T001, MD-T003, MD-T005, MD-T006, MD-T007, MD-T008, MD-T009, MD-T010, MD-T012, MD-W002, MD-W003, MD-W017	W027-999-HET	SR-W027-999-AGNS-HET SR-W027-999-AGNS-HOM SR-W027-999-LASL-HET SR-W027-999-LASL-HOM SR-W027-999-MD-HET SR-W027-999-MD-HOM-A SR-W027-999-MD-HOM-B SR-W027-999-MD-HOM-C SR-W027-999-MD-SOIL SR-W027-SRSG-HET SR-W027-SRSG-HET-RH SR-W027-SRSG-HOMO

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
		SR-W027-SRSG-SOIL
W027-221H-HET	W027-221H-HET	SR-W027-221H-HEPA
W026-235F-VIT	W026-235F-HET	SR-W027-235-HOMO
W026-221F-HET	W026-221F-HET	SR-W026-221F-HOMO
T001-221F-HET	T001-221F-HET	SR-W026-221F-HEPA
T003-773A-VIT	T003-773A-HET	SR-T003-773A-HET
W027-221H-VIT	W027-221H-HET	SR-W027-HBL-BOX-A
W027-221H-VIT	W027-221H-HET	SR-W027-HBL-BOX-B
W053-773A-VIT	W053-773A-VIT	SR-W027-773A-HET
Not at SRS	Not at SRS	SR-BCLRH-MT01
Not at SRS	Not at SRS	SR-BCLRH-T001
Not at SRS	Not at SRS	SR-BCLRH-T002
Not at SRS	Not at SRS	SR-BCLRH-T003
Not at SRS	Not at SRS	SR-BCLRH-T004
Not at SRS	Not at SRS	SR-BCLRH-T005
Not at SRS	Not at SRS	SR-BCLRH-T006
Not at SRS	Not at SRS	SR-BCLRH-T007
Not at SRS	Not at SRS	SR-BCLRH-T008
Not at SRS	Not at SRS	SR-BCLRH-T009
Not at SRS	Not at SRS	SR-BCLRH-T010
Not at SRS	Not at SRS	SR-BCLRH-T011
N/A	SR-T001-WSB-1	SR-T001-WSB-1
N/A	SR-W026-WSB-2	SR-W026-WSB-2
N/A	SR-T001-WSB-3	SR-T001-WSB-3
N/A	SR-W026-PDCF-1	SR-W026-PDCF-1
N/A	SR-W026-MFFF-1	SR-W026-MFFF-1
SR-Z001	SR-Z001	SR-Z001

F-2.18 Separations Process Research Unit (SPRU)

Table F-19 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for the Separations Process Research Unit (SPRU).

Table F-19. Separations Process Research Unit Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
N/A	SP-T001	SP-T001

F-2.19 U.S. Army Material Command (MC)

Table F-20 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for the U.S. Army Material Command (USAMC).

Table F-20. U.S. Army Material Command Waste Streams Crosswalk

TWBIR, Revision 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
MC-W001	MC-W001	N/A
N/A	N/A	MC-W002

F-2.20 West Valley Demonstration Project (WV)

Table F-21 contains the crosswalk of waste streams beginning with the TWBIR, Revision 2, crosswalked to the TWBIR-2004 waste streams, and then crosswalked to the 2006 waste streams for the West Valley Demonstration Project (WVDP).

Table F-21. West Valley Demonstration Project Waste Streams Crosswalk

TWBIR, Rev. 2 Waste Streams	TWBIR-2004 Waste Streams	2006 Waste Streams
WV-M005	WV-M005, WV-T019	WV-M005
WV-M007	WV-M007	WV-M007
WV-M008	WV-M008	WV-M008
WV-M010	WV-M010	WV-M010
WV-M012	N/A	N/A
WV-M013	WV-M013	WV-M013
WV-M015	WV-M015	WV-M015
WV-T001	WV-T001, WV-T020, WV-T021	WV-T001, WV-T020, WV-T021
WV-T002	N/A	N/A
WV-T003	N/A	N/A
WV-T004	WV-T004	WV-T004
WV-T006	WV-T006	WV-T006
WV-T009	WV-T009	WV-T009
WV-T011	WV-T011	WV-T011
WV-T014	WV-T014	WV-T014
WV-T014	WV-T018	WV-T018a, WV-T018b
WV-T016	WV-T016,	WV-T016
WV-T016	WV-T018	WV-T018a, WV-T018b
WV-T017	WV-T017	WV-T017
WV-W041	N/A	N/A
WV-W024	WV-W024	WV-W024
WV-Z001	WV-Z001	WV-Z001