# ANNEX I to ATTACHMENT F $\label{eq:waste_stream_profiles} \textbf{WASTE STREAM PROFILES} - \textbf{NON-WIPP}$

NOTE: The TRU Waste Baseline Inventory Waste Profile forms only reflect the data as reported by the TRU Waste Sites. During the process of generating the TRU Waste Baseline Inventory Report for the CRA, priority was given to developing data or those parameters considered important to performance assessment (PA). SNL will evaluate whether any of the individual or cumulative inconsistencies identified have an impact on PA.

- 1 The following waste stream profiles contain information on waste streams that were not
- 2 compliant with the Contact-Handled Transuranic Waste Acceptance Criteria for the Waste
- 3 Isolation Pilot Plant (CH-WAC; DOE 2000) as of the inventory date, September 30, 2002.
- 4 These waste streams may, however, be considered for disposal at the WIPP pending treatment,
- repackaging, or other disposition that brings them into compliance with the CH-WAC. Annex F 5
- 6 contains a memo that lists the limiting conditions (screening criteria) that were used to screen
- 7 these waste streams out of the inventory. The TRU waste sites that have reported non-WIPP
- 8 waste streams are:

| 9  | 1.  | Argonne National Laboratory – West                      | AW |
|----|-----|---|----|
| 10 | 2.  | Babcock and Wilcox, Lynchberg                           | BL |
| 11 | 3.  | Framatome (Richland)                                    | FR |
| 12 | 4.  | General Electric Vallecitos Nuclear Center              | GE |
| 13 | 5.  | Idaho National Engineering and Environmental Laboratory | IN |
| 14 | 6.  | Knolls Atomic Power Laboratory – Nuclear Fuels Service  | KN |
| 15 | 7.  | Los Alamos National Laboratory                          | LA |
| 16 | 8.  | Lawrence Berkeley National Laboratory                   | LB |
| 17 | 9.  | Paducah Gaseous Diffusion Plant                         | PA |
| 18 | 10. | Rocky Flats Environmental Technology Site               | RF |
| 19 | 11. | Hanford (Richland Operations)                           | RL |
| 20 | 12. | Sandia National Laboratories (Albuquerque)              | SA |
| 21 | 13. | Separations Process Research Unit                       | SP |
| 22 | 14. | Savannah River Site                                     | SR |
| 23 | 15. | West Valley Demonstration Project                       | WV |

- 24 Editorial Note: The date, "Stored End of CY 2001" under the waste volume detail area of the
- 25 waste profile forms should be "Stored End of FY 2002," indicating the end of the fiscal year
- 26 (September 30, 2002) and not the end of calendar year 2001.

27 **REFERENCES** 

- 28 Department of Energy (DOE). 2002. Contact-Handled Transuranic Waste Acceptance Criteria
- 29 for the Waste Isolation Pilot Plant, Revision 0, DOE/WIPP-02-3122, May 17, 2002.

### TWBIR ID: AW-W018

Handling

Waste Type

RH

MTRU

Stream Name SODIUM - TRU

**Generator Site** 

AW

AW-W018

CH-ANL-180T

HQ ID

Local ID

# Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Waste Form Uncategorized Metal

| EPA Codes Waste Material Parameters (kg/m3) |                 |   |          |          |           |                |             | Vaste Form D   | •        | odes    | Final I   | inal Form Radionuclides |             |           |               |
|---|-----------------|---|----------|----------|-----------|----------------|-------------|----------------|----------|---------|-----------|-------------------------|-------------|-----------|---------------|
| As-Generated                                | Material P      | arameter                                    | Α        | verage   | Lower     | Upper          | Category:   | Defense TRI    | U Waste  |         | N/A       |                         |             |           | Typical       |
| D001, D003                                  | Iron-Base M     | 1etal/Alloys                                | 3        | 0.00     | 0.00      | 0.00           | Residues:   | No             |          |         |           |                         | laste       |           | ncentration   |
|   | Aluminum-Bas    | e Metal/All                                 | oys      | 0.00     | 0.00      | 0.00           | Asbestos:   |                |          |         |           |                         | Isoto       | De        | (Ci/m3)       |
|   | Other Me        | tal/Alloys                                  |          | 0.00     | 0.00      | 0.00           |             |                |          |         |           |                         | Am-2        | 11        | 3.83E+02      |
|   | Other Inorgai   | nic Materia                                 | ls       | 0.00     | 0.00      | 0.00           | PCBs:       | No             |          |         |           |                         | Ba-137      | 7m        | 1.67E+05      |
|   | Cellul          | osics                                       |          | 0.00     | 0.00      | 0.00           | Source:     | Facility/Equip |          |         |           |                         | Ce-14       | 11        | 1.45E+04      |
|   | Rub             | ber   |          | 0.00     | 0.00      | 0.00           |             | and Mainten    | ance Was | ste     |           |                         | Ce-14       | 14        | 4.50E+05      |
|   | Plas            | tics  |          | 0.00     | 0.00      | 0.00           |             |                |          |         |           |                         | Cm-2        | 12        | 1.68E+03      |
|   | Solidified, Ino | Solidified, Inorganic Matrix 0.00 0.00 0.00 |          |          |           |                |             |                |          |         |           |                         | Cs-13       | 34        | 2.65E+04      |
|   | Cement (S       | Solidified)                                 |          | 0.00     | 0.00      | 0.00           |             |                |          |         |           |                         | Cs-13       | 37        | 1.77E+05      |
|   | Vitri           | fied  |          | 0.00     | 0.00      | 0.00           |             |                |          |         |           |                         | Eu-15       | 54        | 3.66E+03      |
|   | Solidified, Or  | ganic Matr                                  | ix       | 0.00     | 0.00      | 0.00           |             |                |          |         |           |                         | Eu-15       | 55        | 1.95E+04      |
|   | So              | ils   |          | 0.00     | 0.00      | 0.00           |             |                |          |         |           |                         | Kr-8        | 5         | 9.65E+03      |
|   | Packaging M     | aterial, Ste                                | el       | 0.00     | <u> </u>  |                |             |                |          |         |           |                         | Nb-9        | 5         | 2.15E+05      |
|   | Packaging Ma    | terial, Plas                                | stic     | 0.00     |           |                |             |                |          |         |           |                         | Pm-1        | 17        | 2.56E+05      |
|   | Packaging M     | aterial, Lea                                | ad       | 0.00     |           |                |             |                |          |         |           | Pr-14                   | 4           | 4.50E+05  |               |
|   | Packaging Mate  | rial, Steel                                 | Plug     | 0.00     |           |                |             |                |          |         |           | Pr-144                  | Pr-144m 5.4 |           |               |
| <u> </u>                                    |                 |   | <u> </u> |          |           |                |             |                |          |         |           | (Ra                     | dionuclid   | es contin | ued next page |
|   |                 |   |          | Waste V  | /olume De | etail (Cubic i | meters) for | TWBIR ID : A   | W-W018   |         |           | •                       |             |           |               |
|   | As-Gen          | erated Vo                                   | umes     | 114010 1 | 0.00      | ran (Gasio i   | 1           |                |          |         | Form Volu | ımes                    |             |           |               |
|   | Stored          |   |          | ected    |           |                | ┪┝──        |                | I        | Stored  | T         |                         | ected       |           |               |
|   | End of          | 2002-                                       | 2007-    | 2017-    | 2027-     |                |             |                |          | End of  | 2002-     | 2007-                   | 2017-       | 2027-     |               |
| ContainerType                               | CY 2001         | 2006  | 2016     | 2026     | 2036      | Total          |             | ontainerTyp    | е        | CY 2001 | 2006      | 2016                    | 2026        | 2036      | Total         |
| Liner / 0.1m3                               | 14.1            | 0.0   | 0.0      |          |           |                |             | ster used to o | verpack  | 240.7   | 0.0       | 0.0                     | 0.0         | 0.0       | 240.7         |
| Liner / 0.3m3                               | 29.1            | 0.0   | 0.0      |          |           | -              | Final Fo    | .m [           | Stored   | 240.7   | Project   | ed                      | 0.0         | Total     | 240.7         |
| Liner / 0.5m3                               | 197.0           | 0.0   | 0.0      | 0.0      | 0.0       | 197.0          |             | I              | 510104   | 270.7   | 11        | <del></del>             | 0.0         | · Otal    | 2.0.7         |
| As-Generated Stor                           | red 240.2       | Projecte                                    | ed       | 0.0      | Total     | 240.2          | 2           |                |          |         |           |                         |             |           |               |

Inventory Date 9/30/2002

**Waste Matrix Code** 

X7520

#### **TWBIR ID: AW-W018**

### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

### **Final Form Radionuclides**

| (Co     | ntinued)                            |
|---------|-------------------------------------|
| Isotope | Typical<br>Concentration<br>(Ci/m3) |
| Pu-238  | 9.53E+02                            |
| Pu-239  | 1.69E+04                            |
| Pu-240  | 2.84E+03                            |
| Pu-241  | 7.05E+04                            |
| Rh-103m | 3.91E+04                            |
| Rh-106  | 5.28E+05                            |
| Ru-103  | 3.90E+04                            |
| Ru-106  | 5.28E+05                            |
| Sb-125  | 1.58E+04                            |
| Sm-151  | 6.41E+03                            |
| Sr-89   | 2.72E+04                            |
| Sr-90   | 7.24E+04                            |
|         |                                     |

Te-125m

Te-127

#### Final Form Radionuclides (Continued)

| Isotope | Typical<br>Concentration<br>(Ci/m3) |
|---------|-------------------------------------|
| Te-127m | 4.37E+03                            |
| Y-90    | 7.25E+04                            |
| Y-91    | 5.05E+04                            |
| Zr-95   | 1.07E+05                            |
|         |                                     |

#### Waste Stream Description

3.83E+03

4.28E+03

Sodium is used as a primary and was used as a 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 is 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.

#### Waste Stream Source Description

This waste stream was generated at ANL-767, EBR-II Reactor Building, and ANL-785, Hot Fuel Examination Facility: (ANL-767) Typical nuclear reactor operations including maintenance activities on control systems. (ANL-785) Hot cells operations including dismantling and examination of nuclear fuels and experiments which contain elemental sodium.. The generating process is: Some maintenance activities in Bldg. 767 involve working on and replacement of sodium wetted equipment associated with the EBR-II cooling systems. If the waste equipment cannot be cleaned of the sodium metal, it is stored in the RSSF. Also, the secondary cooling systems at EBR-II occasionally leak sodium metal. Cleanup operations generate sodium-contaminated wastes. All 767 wastes are contact-handled. Processes in Bldg. 785 more routinely generate sodium contaminated wastes because materials handled and examined in the facility (nuclear fuel rods and assemblies, and experiments) contain sodium. All 785 wastes are remote handled.

#### Current Container Comments N/A

**EPA Comments** Sodium is not dispersed uniformly throughout the waste matrix.

Management Comments Alpha Containment, THE WASTE MATERIAL PARAMETERS HAVE NOT BEEN DEVELOPED FOR THIS WASTE STREAM. THE WASTE STREAM NEEDS TO BE TREATED AND FURTHER CHARACTERIZED BECAUSE IT DOES NOT MEET THE WIPP WAC REQUIREMENTS.

# TWBIR ID: AW-W018 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

Acceptance Comments N/A

Final Form Comments THE WASTE MATERIAL PARAMETERS HAVE NOT BEEN DEVELOPED FOR THIS WASTE STREAM. THE WASTE STREAM NEEDS TO BE TREATED AND FURTHER CHARACTERIZED BECAUSE IT DOES NOT MEET THE WIPP WAC REQUIREMENTS.

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# TWBIR ID: AW-W019 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID         AW-W019           Local ID         CH-ANL-182T |                                | Name SOD   |          |                          | NaK- TRU Form Uncategorized Metal    |               |                | ory Date 9/30/200 ix Code X7520 |
|--|--------------------------------|------------|----------|--------------------------|--------------------------------------|---------------|----------------|---------------------------------|
| EPA Codes  | Waste Material Para            | meters (kg | /m3)     | Final Form Radionuclides |                                      |               |                |                                 |
| As-Generated   | Material Parameter             | Average Lo | Lower    | Upper                    | Category: Defense TRU Waste          | N/A           |                | Typical                         |
| D003   | Iron-Base Metal/Alloys         | 0.00       | 0.00     | 0.00                     | Residues: No                         | <u> </u>      | lastana        | Concentration                   |
|  | Aluminum-Base Metal/Alloys     | 0.00       | 0.00     | 0.00                     | Asbestos: No                         | <u>-</u><br>1 | Isotope        | (Ci/m3)                         |
|  | Other Metal/Alloys             | 0.00       | 0.00     | 0.00                     |                                      | <u> </u>      | Am-241         | 4.78E+02                        |
|  | Other Inorganic Materials      | 0.00       | 0.00     | 0.00                     | PCBs: No                             | ĺ             | Ba-137m        | 2.09E+05                        |
|  | Cellulosics                    | 0.00       | 0.00     | 0.00                     | Source: Facility/Equipment Operation | 7             | Ce-141         | 1.81E+04                        |
|  | Rubber                         | 0.00       | 0.00     | 0.00                     | and Maintenance Waste                |               | Ce-144         | 5.62E+05                        |
|  | Plastics                       | 0.00       | 0.00     | 0.00                     |                                      |               | Cm-242         | 2.10E+03                        |
|  | Solidified, Inorganic Matrix   | 0.00       | 0.00     | 0.00                     |                                      |               | Cs-134         | 3.31E+04                        |
|  | Cement (Solidified)            | 0.00       | 0.00     | 0.00                     |                                      |               | Cs-137         | 2.21E+05                        |
|  | Vitrified                      | 0.00       | 0.00     | 0.00                     |                                      |               | Eu-154         | 4.57E+03                        |
|  | Solidified, Organic Matrix     | 0.00       | 0.00     | 0.00                     |                                      |               | Eu-155         | 2.44E+04                        |
|  | Soils                          | 0.00       | 0.00     | 0.00                     |                                      |               | Kr-85          | 1.20E+04                        |
|  | Packaging Material, Steel      | 0.00       |          |                          |                                      |               | Nb-95          | 2.68E+05                        |
|  | Packaging Material, Plastic    | 0.00       |          |                          |                                      |               | Pm-147         | 3.19E+05                        |
|  | Packaging Material, Lead       | 0.00       |          |                          |                                      |               | Pr-144         | 5.62E+05                        |
|  | Packaging Material, Steel Plug | 0.00       |          |                          |                                      |               | Pr-144m        | 6.75E+03                        |
|  |                                |            |          |                          |                                      | (Ra           | dionuclides co | ntinued next pag                |
|  |                                | Waste '    | Volume D | etail (Cub               | ic meters) for TWBIR ID : AW-W019    |               |                |                                 |

|               |        |                   |               |               | Waste Vo      | olume Det     | ail (Cubic m | eters) for TWBI |
|---------------|--------|-------------------|---------------|---------------|---------------|---------------|--------------|-----------------|
|               |        | As-Gen            | erated Vo     | lumes         |               |               |              |                 |
|               |        | Stored            |               | Proje         | ected         |               |              |                 |
| ContainerTy   | pe     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | Contai          |
| Liner / 0.1m3 |        | 0.7               | 0.0           | 0.0           | 0.0           | 0.0           | 0.7          | RH Canister us  |
| Liner / 0.3m3 |        | 1.2               | 0.0           | 0.0           | 0.0           | 0.0           | 1.2          | Final Farm      |
| Liner / 0.5m3 |        | 2.0               | 0.0           | 0.0           | 0.0           | 0.0           | 2.0          | Final Form      |
| As-Generated  | Stored | 3.9               | Projecte      | ed            | 0.0           | Total         | 3.9          |                 |

| CIC | IS) IOI I WULL ID . F | 100-00013 |                   |               |               |               |               |       |  |  |  |  |  |  |
|-----|-----------------------|-----------|-------------------|---------------|---------------|---------------|---------------|-------|--|--|--|--|--|--|
|     | Final Form Volumes    |           |                   |               |               |               |               |       |  |  |  |  |  |  |
|     |                       |           | Stored            |               |               |               |               |       |  |  |  |  |  |  |
|     | ContainerTyp          | е         | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |  |  |  |  |
| R   | H Canister used to c  | verpack   | 4.1               | 0.0           | 0.0           | 0.0           | 0.0           | 4.1   |  |  |  |  |  |  |
| Fi  | nal Form              | Stored    | 4.1               | Projecte      | ed            | 0.0           | Total         | 4.1   |  |  |  |  |  |  |

#### **TWBIR ID: AW-W019**

### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

#### **Final Form Radionuclides** (Continued)

#### Typical Concentration (Ci/m3) Isotope 1.19E+03 Pu-238 2.11E+04 Pu-239 Pu-240 3.55E+03 Pu-241 8.80E+04 Rh-103m 4.88E+04 Rh-106 6.60E+05 4.87E+04 Ru-103 Ru-106 6.60E+05 1.97E+04 Sb-125 Sm-151 8.01E+03 Sr-89 3.40E+04 Sr-90 9.04E+04 Te-125m 4.78E+03

Te-127

#### **Final Form Radionuclides** (Continued)

| Isotope | Typical<br>Concentration<br>(Ci/m3) |
|---------|-------------------------------------|
| Te-127m | 5.46E+03                            |
| Y-90    | 9.06E+04                            |
| Y-91    | 6.30E+04                            |
| Zr-95   | 1.34E+05                            |

5.34E+03

Waste Stream Description Sodium potassium alloy (NaK) is 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 is 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.

Waste Stream Source Description This waste stream was generated at ANL-767, EBR-II REactor Building: Typical nuclear reactor operations including maintenance activities on control systems.. The generating process is: The remote-handled NaK waste currently stored at RSWF is contained in stainless steel capsules or tubing as part of nuclear experiments. The waste is in canisters with TRU waste metal pieces and rods from reactor experiments.

#### **Current Container Comments**

N/A

**EPA Comments** Waste is stored at RSWF in various liners with varying amounts of NaK contamination.

Management Comments THE WASTE MATERIAL PARAMETERS HAVE NOT BEEN DEVELOPED FOR THIS WASTE STREAM. THE WASTE STREAM NEEDS TO BE TREATED AND FURTHER CHARACTERIZED BECAUSE IT DOES NOT MEET THE WIPP WAC REQUIREMENTS.

#### Acceptance Comments

N/A

TWBIR ID: AW-W019 Annex I

#### TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Comments THE WASTE MATERIAL PARAMETERS HAVE NOT BEEN DEVELOPED FOR THIS WASTE STREAM. THE WASTE STREAM NEEDS TO BE TREATED AND FURTHER CHARACTERIZED BECAUSE IT DOES NOT MEET THE WIPP WAC REQUIREMENTS.

DOE/WIPP 2004-3231 Appendix DATA, Attachment F, Annex I I - AW - 6 March, 2004

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TWBIR ID: AW-W029

| IQ ID     | N/A           | Hand    | Handling RH Stream Name RSWF TRANSURANIC WASTE |               |               |               |               |              |             |            |                 |                   |               |               | Inventory Date 9/30/2003 |               |                         |  |
|-----------|---------------|---------|--|---------------|---------------|---------------|---------------|--------------|-------------|------------|-----------------|-------------------|---------------|---------------|--------------------------|---------------|-------------------------|--|
| ocal ID   | CH-ANL-538    | Waste 1 | Гуре ⊤   | RU <b>G</b>   | enerator (    | Site AV       | √ Fin         | al Waste Fo  | rm Uncateg  | orized Me  | etal            |                   |               |               | Waste                    | Matrix C      | <b>Sode</b> S5111       |  |
| EP        | A Codes       |         | Wa   | ste Materi    | ial Parame    | eters (kg     | /m3)          |              |             |            | orm Descripto   |                   | RUCON C       | odes          | Final                    | Form Ra       | dionuclides             |  |
| As-C      | Generated     | IV      | laterial F                                     | Parameter     | A             | verage        | Lower         | Upper        | Category    | : Defense  | e TRU Waste     |                   | N/A           |               |                          |               | Typical                 |  |
|           | N/A           |         |  | /letal/Alloy: |               | 126.90        | 90.30         | 223.50       | Residues    | s: No      |                 |                   |               |               | Isoto                    |               | oncentration<br>(Ci/m3) |  |
|           |               |         |  | se Metal/Al   | loys          | 2.40          | 1.70          | 6.90         | Asbestos    | . No       |                 |                   |               |               |                          |               | ` ,                     |  |
|           |               |         |  | tal/Alloys    |               | 266.50        | 214.20        | 406.90       |             |            |                 |                   |               |               | Am-2                     |               | 1.79E+02                |  |
|           |               | Oth     |  | nic Materia   | als           | 14.60         | 10.20         | 21.40        | PCBs        |            |                 |                   |               |               | Ba-13                    |               | 7.84E+04                |  |
|           |               |         | Cellul   |               |               | 8.30          | 6.70          | 12.70        | Source      | e: Other/M | Iultiple Source | es .              |               |               | Ce-1                     |               | 6.80E+03                |  |
|           |               |         |  | ber           |               | 0.50          | 0.30          | 1.50         |             |            |                 |                   |               |               | Ce-1                     | 44            | 2.11E+05                |  |
|           |               |         | Plas   |               |               | 5.40          | 1.80          | 11.40        |             |            |                 |                   |               |               | Cm-2                     |               | 7.86E+02                |  |
|           |               |         |  | organic Ma    | trix          | 0.00          | 0.00          | 0.00         |             |            |                 |                   |               |               | Cs-13                    | 34            | 1.24E+04                |  |
|           |               |         | Cement (                                       | Solidified)   |               | 0.00          | 0.00          | 0.00         |             |            |                 |                   |               |               | Cs-13                    | 37            | 8.28E+04                |  |
|           |               |         | Vitri  | fied          |               | 0.00          | 0.00          | 0.00         |             |            |                 |                   |               |               | Eu-1                     | 54            | 1.71E+03                |  |
|           |               | Soli    | dified, Oı                                     | rganic Mat    | rix           | 0.00          | 0.00          | 0.00         |             |            |                 |                   |               |               | Eu-1                     | 55            | 9.13E+03                |  |
|           |               |         | So   | oils          |               | 0.00          | 0.00          | 0.00         |             |            |                 |                   |               |               | Kr-8                     | 5             | 4.52E+03                |  |
|           |               | Pac     | kaging M                                       | laterial, Ste | eel           | 526.00        |               |              |             |            |                 |                   |               |               | Nb-9                     | 5             | 1.00E+05                |  |
|           |               | Pack    | aging Ma                                       | aterial, Pla  | stic          | 26.00         |               |              |             |            |                 |                   |               |               | Pm-1                     | 47            | 1.20E+05                |  |
|           |               | Pac     | kaging M                                       | laterial, Le  | ad            | 464.70        |               |              |             |            |                 |                   |               |               | Pr-14                    | 14            | 2.11E+05                |  |
|           |               | Packa   | ging Mate                                      | erial, Steel  | Plug          | 0.00          |               |              |             |            |                 |                   |               |               | Pr-14                    | 4m            | 2.53E+03                |  |
|           |               |         |  |               |               |               |               |              |             |            |                 |                   |               | (Ra           | dionuclid                | es conti      | nued next pa            |  |
|           |               |         |  |               |               | Waste \       | Volume D      | etail (Cubic | meters) for | TWBIR I    | D : AW-W029     |                   |               |               |                          |               |                         |  |
|           |               |         | As-Gen   | erated Vo     | lumes         |               |               |              |             |            |                 | Final             | orm Volu      | ımes          |                          |               |                         |  |
|           |               |         | Stored   |               | Proj          | ected         |               |              |             |            |                 | Stored            |               | Proje         | ected                    |               | T                       |  |
|           | ContainerType |         | End of<br>Y 2001                               | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        |             | Containe   | rТуре           | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026            | 2027-<br>2036 | Total                   |  |
| Liner / ( | 0.1m3         |         | 2.6  | 0.0           | 0.0           | 0.            | .0 0.         | .0 2         | 6 RH Car    | ister used | to overpack     | 44.2              | 0.0           | 0.0           | 0.0                      | 0.0           | 44.2                    |  |
| Liner / ( |               |         | 4.5  |               |               |               |               |              | Final F     | orm        | Stored          | 44.2              | Projecte      | ed l          | 0.0                      | Total         | 44.2                    |  |
| Liner / ( | 0.5m3         |         | 37.0   | 0.0           | 0.0           | 0.            | .0 0.         | .0 37        | 0           | J. 111     | Otoreu          | 77.2              | 11 10,000     | <u> </u>      | 0.0                      | Total         | 7-7.2                   |  |
| As-Gen    | nerated St    | tored   | 44.1   | Project       | ed            | 0.0           | Total         | 44.          | 1           |            |                 |                   |               |               |                          |               |                         |  |
|           |               |         |  |               |               |               |               |              |             |            |                 |                   |               |               |                          |               |                         |  |

#### TWBIR ID: AW-W029

## Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

### Final Form Radionuclides (Continued)

| (Continued) |                                     |  |  |  |  |  |  |  |  |
|-------------|-------------------------------------|--|--|--|--|--|--|--|--|
| Isotope     | Typical<br>Concentration<br>(Ci/m3) |  |  |  |  |  |  |  |  |
| Pu-238      | 4.46E+02                            |  |  |  |  |  |  |  |  |
| Pu-239      | 7.92E+03                            |  |  |  |  |  |  |  |  |
| Pu-240      | 1.33E+03                            |  |  |  |  |  |  |  |  |
| Pu-241      | 3.30E+04                            |  |  |  |  |  |  |  |  |
| Rh-103m     | 1.83E+04                            |  |  |  |  |  |  |  |  |
| Rh-106      | 2.47E+05                            |  |  |  |  |  |  |  |  |
| Ru-103      | 1.83E+04                            |  |  |  |  |  |  |  |  |
| Ru-106      | 2.47E+05                            |  |  |  |  |  |  |  |  |
| Sb-125      | 7.39E+03                            |  |  |  |  |  |  |  |  |
| Sm-151      | 3.00E+03                            |  |  |  |  |  |  |  |  |
| Sr-89       | 1.28E+04                            |  |  |  |  |  |  |  |  |
| Sr-90       | 3.39E+04                            |  |  |  |  |  |  |  |  |
| Te-125m     | 1.79E+03                            |  |  |  |  |  |  |  |  |

2.00E+03

Te-127

## Final Form Radionuclides (Continued)

| Isotope | Typical<br>Concentration<br>(Ci/m3) |
|---------|-------------------------------------|
| Te-127m | 2.05E+03                            |
| Y-90    | 3.40E+04                            |
| Y-91    | 2.36E+04                            |
| Zr-95   | 5.01E+04                            |

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.

N/A

Current Container Comments N/A

Management Comments N/A

Acceptance Comments N/A

Final Form Comments N/A

Annex I TWBIR ID: **BL-001** 

0.00

0.00

0.00

0.00

0.00

0.00

0.00

## TRU WASTE BASELINE INVENTORY WASTE PROFILE

N/A Handling CH Stream Name Reactor Fuel Test Specimens Inventory Date 9/30/2002 HQ ID N/A TRU Local ID Waste Type **Generator Site** Final Waste Form N/A **Waste Matrix Code** N/A **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste\* N/A **As-Generated Material Parameter** Average Lower Upper N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: N/A Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 0.00 0.00 0.00 PCBs: N/A 0.00 Other Inorganic Materials 0.00 0.00 0.00 0.00 Source: N/A Cellulosics 0.00 0.00 0.00 0.00 Rubber Plastics 0.00 0.00 0.00 Solidified, Inorganic Matrix 0.00 0.00 0.00 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00

|                  |      |                   |               |               | Waste \       | Volume De     | eters) for TWBIR ID : BL-001 |                    |                   |                   |               |               |               |               |       |  |
|------------------|------|-------------------|---------------|---------------|---------------|---------------|------------------------------|--------------------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                  |      | As-Gene           | erated Vo     | lumes         |               |               |                              | Final Form Volumes |                   |                   |               |               |               |               |       |  |
|                  |      | Stored            |               | Proje         | ected         |               |                              |                    |                   | Stored            |               | Proje         | ected         |               |       |  |
| ContainerType    |      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total                        |                    | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| Drum / 55 gallon |      | 45.1              | 0.0           | 0.0           | 0.0           | 0.0           | 45.1                         |                    | 55 Gallon Drum    | 45.1              | 0.0           | 0.0           | 0.0           | 0.0           | 45.1  |  |
| As-Generated Sto | ored | 45.1              | Projecte      | ed            | 0.0           | Total         | 45.1                         |                    | Final Form Stored | 45.1              | Project       | ed            | 0.0           | Total         | 45.1  |  |

Soils

Packaging Material, Steel

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

TWBIR ID: BL-001

| Waste Stream Description          | This waste consists mostly of cellulostics, rubber, and lead-lined gloves. |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | N/A  |
| Management Comments               | N/A  |
| Acceptance Comments               | * Defense Determination Needed   |
| Final Form Comments               | N/A  |

### TWBIR ID: FM-MOX-MT02

| HQ ID  | N/A<br>N/A                            | Handling CH Stream Waste Type MTRU Generate |                     |      |       | lant D&D Mixed TRU Waste  Form Heterogeneous Debris |              | Invento<br>Waste Matr | ory Date 9/30/2002 |
|--------|---------------------------------------|---|---------------------|------|-------|---|--------------|-----------------------|--------------------|
|        | Codes                                 | Waste Material Para                         |                     |      |       | Final Waste Form Descriptors                        | TRUCON Codes | _                     | Radionuclides      |
| As-Ger | nerated                               | Material Parameter                          | Average Lower Upper |      | Upper | Category: Non-defense TRU Waste                     | N/A          |                       | Typical            |
| D0     | 800                                   | Iron-Base Metal/Alloys                      | 305.00              | 0.00 | 0.00  | Residues: No  |              | Icotono               | Concentration      |
|        |                                       | Aluminum-Base Metal/Alloys                  | 0.00                | 0.00 | 0.00  |   | =            | Isotope               | (Ci/m3)            |
|        |                                       | Other Metal/Alloys                          | 0.00                | 0.00 | 0.00  | Asbestos: No  |              | Am-241                | 2.43E-06           |
|        | Other Inorganic Materials Cellulosics |   | 0.00                | 0.00 | 0.00  | PCBs: No  |              | Pu-238<br>Pu-239      | 1.48E-06           |
|        |                                       |   | 56.00               | 0.00 | 0.00  | Source: Remediation/D&D Waste,                      |              |                       | 7.20E-07           |
|        |                                       | Rubber                                      | 21.00               | 0.00 | 0.00  | Discarding Excess/Expired                           | d            | Pu-240                | 4.30E-07           |
|        |                                       | Plastics                                    | 4.00                | 0.00 | 0.00  | Materials   |              | Pu-241                | 6.07E-05           |
|        |                                       | Solidified, Inorganic Matrix                | 0.00                | 0.00 | 0.00  |   |              | Pu-242                | 1.00E-08           |
|        |                                       | Cement (Solidified)                         | 143.00              | 0.00 | 0.00  |   |              |                       |                    |
|        |                                       | Vitrified                                   | 0.00                | 0.00 | 0.00  |   |              |                       |                    |
|        |                                       | Solidified, Organic Matrix                  | 0.00                | 0.00 | 0.00  |   |              |                       |                    |
|        |                                       | Soils                                       | 0.00                | 0.00 | 0.00  |   |              |                       |                    |
|        |                                       | Packaging Material, Steel                   | 131.00              |      |       |   |              |                       |                    |
|        |                                       | Packaging Material, Plastic                 | 37.00               |      |       |   |              |                       |                    |
|        |                                       | Packaging Material, Lead                    | 0.00                |      |       |   |              |                       |                    |
|        |                                       | Packaging Material, Steel Plug              | 0.00                |      |       |   |              |                       |                    |

|                              |                   |               | W             | aste Volu     | me Detail     | (Cubic mete | ers) for TWBIR ID : FM-MOX-MT | 02                |               |               |               |               |       |
|------------------------------|-------------------|---------------|---------------|---------------|---------------|-------------|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                              | As-Gen            | erated Vol    | lumes         |               |               |             | Final Form Volumes            |                   |               |               |               |               |       |
|                              | Stored End of     |               |               | Projected     |               |             |                               | Stored            |               | Proje         | ected         |               |       |
| ContainerType                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total       | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon in overpack | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4         | 55 Gallon Drum                | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4   |
| As-Generated Stored          | 0.4               | Projecte      | ed            | 0.0           | Total         | 0.4         | Final Form Stored             | 0.4               | Projecte      | ed            | 0.0           | Total         | 0.4   |

TWBIR ID: FM-MOX-MT02

| 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.  |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | 2 55-gallon drums are overpacked in 85-gallon drums. All container are in excellent condition.   |
| EPA Comments                      | The source of the lead listed in 2 drums is probably lead contained as shielding material in some of the gloves in the facility. The Mixed Oxide process involved the dry blending of PuO2 and UO2 powders, palletizing, sintering, and rod loading. It did not involve chemical conversion or wet chemical processes; therefore, equipment from the facility is not expected to contain chemical contamination. All oil referred to on the inventory list is limited to hydraulic/lubricating oil from process equipment. There is no reason to believe that the oil contained PCBs, solvents, or toxic metals. Organic solvents were not utilized in the decontamination work. |
| Management Comments               | Waste will be accepted into the Hanford TRU Program and characterized to meet all certification requirements for shipment to WIPP.   |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

### TWBIR ID: FM-MOX-T01

| HQ ID N/A    |                                | Name Fran  |       |       | ant D&D TRU Wast |                        |              | Invento<br>Waste Matr | ry Date 9/30/2002<br>ix Code \$5400 |
|--------------|--------------------------------|------------|-------|-------|------------------|------------------------|--------------|-----------------------|-------------------------------------|
| EPA Codes    | Waste Material Para            | meters (kg | /m3)  |       | Final Wast       | e Form Descriptors     | TRUCON Codes | Final Form            | Radionuclides                       |
| As-Generated | Material Parameter             | Average    | Lower | Upper | Category: Non    | -defense TRU Waste     | N/A          |                       | Typical                             |
| N/A          | Iron-Base Metal/Alloys         | 305.00     | 0.00  | 0.00  | Residues: No     |                        |              | Isotope               | Concentration                       |
|              | <br>Aluminum-Base Metal/Alloys | 0.00       | 0.00  | 0.00  | <u></u>          |                        |              |                       | (Ci/m3)                             |
|              | Other Metal/Alloys             | 0.00       | 0.00  | 0.00  | Asbestos: No     |                        |              | Am-241                | 2.43E-06                            |
|              | Other Inorganic Materials      | 0.00       | 0.00  | 0.00  | PCBs: No         |                        |              | Pu-238                | 1.48E-06                            |
|              | Cellulosics                    | 56.00      | 0.00  | 0.00  | Source: Ren      | nediation/D&D Waste,   | 1            | Pu-239                | 7.20E-07                            |
|              | Rubber                         | 21.00      | 0.00  | 0.00  |                  | carding Excess/Expired |              | Pu-240                | 4.30E-07                            |
|              | Plastics                       | 4.00       | 0.00  | 0.00  | Mat              | Materials              | _            | Pu-241                | 6.07E-05                            |
|              | Solidified, Inorganic Matrix   | 0.00       | 0.00  | 0.00  |                  |                        |              | Pu-242                | 1.00E-08                            |
|              | Cement (Solidified)            | 143.00     | 0.00  | 0.00  |                  |                        | !            |                       |                                     |
|              | Vitrified                      | 0.00       | 0.00  | 0.00  |                  |                        |              |                       |                                     |
|              | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00  |                  |                        |              |                       |                                     |
|              | Soils                          | 0.00       | 0.00  | 0.00  |                  |                        |              |                       |                                     |
|              | Packaging Material, Steel      | 59.00      | •     |       |                  |                        |              |                       |                                     |
|              | Packaging Material, Plastic    | 0.00       |       |       |                  |                        |              |                       |                                     |
|              | Packaging Material, Lead       | 0.00       |       |       |                  |                        |              |                       |                                     |
|              | Packaging Material, Steel Plug | 0.00       |       |       |                  |                        |              |                       |                                     |

|                        | Waste Volume Detail (Cubic meters) for TWBIR ID : FM-MOX-T01 |                   |               |                    |               |               |       |     |                  |     |                   |               |               |               |               |       |
|------------------------|--|-------------------|---------------|--------------------|---------------|---------------|-------|-----|------------------|-----|-------------------|---------------|---------------|---------------|---------------|-------|
|                        |  |                   | П             | Final Form Volumes |               |               |       |     |                  |     |                   |               |               |               |               |       |
|                        | Stored   |                   |               | Projected          |               |               |       | 1 [ |                  |     | Stored            |               | Proje         | ected         |               |       |
| ContainerTyp           | oe .   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016      | 2017-<br>2026 | 2027-<br>2036 | Total |     | ContainerType    |     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon in ov | erpack   | 6.9               | 0.0           | 0.0                | 0.0           | 0.0           | 6.9   |     | 55 Gallon Drum   |     | 6.9               | 0.0           | 0.0           | 0.0           | 0.0           | 6.9   |
| As-Generated           | Stored   | 6.9               | Projecte      | ed                 | 0.0           | Total         | 6.9   | 1   | Final Form Store | red | 6.9               | Projecte      | ed            | 0.0           | Total         | 6.9   |

TWBIR ID: FM-MOX-T01

| 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 6M container includes 85 mixed oxide pellets. |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | 32 55-gallon drums are overpacked in 85-gallon drums. One 6-M container is overpacked into an 85-gallon drum. All container are in excellent condition.   |
| EPA Comments                      | N/A   |
| Management Comments               | Waste will be accepted into the Hanford TRU Program and characterized to meet all certification requirements for shipment to WIPP.  |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

# TWBIR ID: VN-CHT001 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

N/A Handling CH Stream Name N/A Inventory Date 9/30/2002 HQ ID N/A TRU Local ID Waste Type **Generator Site** Final Waste Form N/A **Waste Matrix Code EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Non-defense TRU Waste N/A **As-Generated Material Parameter** Average Lower Upper N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: N/A Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 0.00 0.00 0.00 PCBs: N/A 0.00 Other Inorganic Materials 0.00 0.00 0.00 0.00 Source: N/A Cellulosics 0.00 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 Solidified, Inorganic Matrix 0.00 0.00 0.00 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 0.00 Packaging Material, Plastic 0.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                    |                   |               |               | Waste Vo      | lume Deta     | il (Cubic me | ete | ers) for TWBIR ID : VN-CHT | 001              |                   |               |               |               |               |       |
|--------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-----|----------------------------|------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                    | As-Ger            | erated Vo     | lumes         |               |               |              |     | Final Form Volumes         |                  |                   |               |               |               |               |       |
|                    | Stored            | Projected     |               |               |               | ן ו          |     |                            | Stored Projected |                   |               |               |               |               |       |
| ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        |     | ContainerType              |                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon   | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 20.2         | 5   | 55 Gallon Drum             |                  | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 20.2  |
| As-Generated Store | <b>d</b> 0.0      | Projecte      | ed            | 20.2          | Total         | 20.2         | F   | Final Form Store           | d                | 0.0               | Project       | ed            | 20.2          | Total         | 20.2  |

TWBIR ID: VN-CHT001

| Waste Stream Description          | This waste will be generated from refurbishment of an alpha high-level hot cell. |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | waste not generated yet - not funded   |
| EPA Comments                      | N/A  |
| Management Comments               | N/A  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

# TWBIR ID: VN-RHT001 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID N/A<br>Local ID N/A | Handling RH Stream Waste Type TRU Generat | Name N/A<br>or Site GE |       | al Waste F | Form N/A                        |              | Inventory Date 9/30/200 Waste Matrix Code N/A |
|---------------------------|---|------------------------|-------|------------|---------------------------------|--------------|---|
| EPA Codes                 | Waste Material Para                       | ameters (kg            | /m3)  |            | Final Waste Form Descriptors    | TRUCON Codes | No Final Form                                 |
| As-Generated              | Material Parameter                        | Average                | Lower | Upper      | Category: Non-defense TRU Waste | N/A          | Radionuclides Provided                        |
| N/A                       | Iron-Base Metal/Alloys                    | 0.00                   | 0.00  | 0.00       | Residues: N/A                   | <u> </u>     |   |
|                           | Aluminum-Base Metal/Alloys                | 0.00                   | 0.00  | 0.00       |                                 | ╡            |   |
|                           | Other Metal/Alloys                        | 0.00                   | 0.00  | 0.00       | Asbestos: N/A                   | ╛            |   |
|                           | Other Inorganic Materials                 | 0.00                   | 0.00  | 0.00       | PCBs: N/A                       |              |   |
|                           | Cellulosics                               | 0.00                   | 0.00  | 0.00       | Source: N/A                     | $\neg$       |   |
|                           | Rubber                                    | 0.00                   | 0.00  | 0.00       |                                 | <b>_</b>     |   |
|                           | Plastics                                  | 0.00                   | 0.00  | 0.00       |                                 |              |   |
|                           | Solidified, Inorganic Matrix              | 0.00                   | 0.00  | 0.00       |                                 |              |   |
|                           | Cement (Solidified)                       | 0.00                   | 0.00  | 0.00       |                                 |              |   |
|                           | Vitrified                                 | 0.00                   | 0.00  | 0.00       |                                 |              |   |
|                           | Solidified, Organic Matrix                | 0.00                   | 0.00  | 0.00       |                                 |              |   |
|                           | Soils                                     | 0.00                   | 0.00  | 0.00       |                                 |              |   |
|                           | Packaging Material, Steel                 | 0.00                   |       |            |                                 |              |   |
|                           | Packaging Material, Plastic               | 0.00                   |       |            |                                 |              |   |
|                           | Packaging Material, Lead                  | 0.00                   |       |            |                                 |              |   |
|                           | Packaging Material, Steel Plug            | 0.00                   |       |            |                                 |              |   |

|              | Waste Volume Detail (Cubic meters) for TWBIR ID : VN-RHT001 |                   |               |               |               |               |       |     |                    |        |                   |               |               |               |               |       |
|--------------|---|-------------------|---------------|---------------|---------------|---------------|-------|-----|--------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|              |   | As-Gen            | erated Vo     | lumes         |               |               |       |     | Final Form Volumes |        |                   |               |               |               |               |       |
|              | Stored<br>End o   |                   | Projected     |               |               |               | 1 [   |     |                    | Stored |                   | Proje         |               |               |               |       |
| ContainerTy  | ре  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |     | ContainerType      |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| RH Canister  |   | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 12.5  | 5   | RH Canister        |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 12.5  |
| As-Generated | Stored  | 0.0               | Projecte      | ed            | 12.5          | Total         | 12.5  | j 1 | Final Form         | Stored | 0.0               | Projecte      | ed            | 12.5          | Total         | 12.5  |

TWBIR ID: VN-RHT001

| Waste Stream Description          | The waste will be generated from the refurbishment of an alpha high-level hot cell. |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | waste not yet generated.  |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

## TWBIR ID: IN-SBW-01A Annex I

0.00

0.00

|                   |                               |  | TRU WA                                | STE BA    | SELINE       | INVENTORY WASTE PROFILE                                |                          |                       |                                      |
|-------------------|-------------------------------|--|---------------------------------------|-----------|--------------|--|--------------------------|-----------------------|--------------------------------------|
| HQ ID<br>Local ID | N/A<br>N/A                    | Handling RH Stream Waste Type MTRU Generat |                                       |           |              | - Calcine Process - Calcine Form Solidified Inorganics |                          | Invento<br>Waste Matr | ory Date 9/30/2002<br>ix Code \$3000 |
| EP                | A Codes                       | Waste Material Para                        | meters (kg                            | /m3)      |              | Final Waste Form Descriptors                           | Final Form Radionuclides |                       |                                      |
| As-G              | Generated                     | Material Parameter                         | Average Lower Upper                   |           |              | Category: Defense TRU Waste                            | N/A                      |                       | Typical                              |
|                   | 0005, D006,                   | Iron-Base Metal/Alloys                     | Iron-Base Metal/Alloys 0.00 0.00 0.00 |           | Residues: No | lastana  | Concentration            |                       |                                      |
|                   | 0008, D009,                   | Aluminum-Base Metal/Alloys                 | 0.00                                  | 0.00      | 0.00         |  |                          | Isotope               | (Ci/m3)                              |
|                   | D011, F001,<br>005, N/A, U134 | Other Metal/Alloys                         | 0.00                                  | 0.00      | 0.00         | Asbestos: No   |                          | Am-241                | 3.11E-01                             |
|                   |                               | Other Inorganic Materials                  | 0.00                                  | 0.00      | 0.00         | PCBs: No   |                          | Am-242                | 5.66E-05                             |
|                   |                               | Cellulosics                                | 0.00                                  | 0.00 0.00 |              | Source: Materials                                      |                          | Am-242m               | 4.51E-05                             |
|                   |                               | Rubber                                     | 0.00                                  | 0.00      | 0.00         | Production/Recovery Effluents                          |                          | Am-243                | 8.04E-05                             |
|                   |                               | Plastics                                   | 0.00                                  | 0.00      | 0.00         |  |                          | Ba-137m               | 1.91E+02                             |
|                   |                               | Solidified, Inorganic Matrix               | 1200.00                               | 0.00      | 0.00         |  |                          | C-14                  | 3.83E-03                             |
|                   |                               | Cement (Solidified)                        | 0.00                                  | 0.00      | 0.00         |  |                          | Cd-113m               | 1.16E-02                             |
|                   |                               | Vitrified                                  | 0.00                                  | 0.00      | 0.00         |  |                          | Ce-144                | 1.09E-02                             |
|                   |                               | Solidified, Organic Matrix                 | 0.00                                  | 0.00      | 0.00         |  |                          | Cf-249                | 1.33E-14                             |
|                   |                               | Soils                                      | 0.00                                  | 0.00      | 0.00         |  |                          | Cf-250                | 1.27E-14                             |
|                   |                               | Packaging Material, Steel                  | 499.00                                | -         |              |  |                          | Cf-251                | 2.06E-16                             |
|                   |                               | Packaging Material, Plastic                | 0.00                                  |           |              |  |                          | Cm-242                | 7.36E-05                             |

(Radionuclides continued next page)

Cm-243

Cm-244

1.13E-04

1.16E-02

|                |       |                   |               | ١             | Vaste Vol     | ume Detai     | il (Cubic me | ete                                     | ers) for TWBIR ID : IN-SBW-01 | Α                 |               |               |               |               |        |
|----------------|-------|-------------------|---------------|---------------|---------------|---------------|--------------|---|-------------------------------|-------------------|---------------|---------------|---------------|---------------|--------|
|                |       | As-Gene           | erated Vo     | lumes         |               |               |              | Final Form Volumes                      |                               |                   |               |               |               |               |        |
|                | Store |                   |               | Proje         | cted          |               |              | ĺĺ                                      |                               | Stored Pro        |               |               | ected         |               |        |
| ContainerType  |       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        |   | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  |
| Other          |       | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0          | ֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֡֓֡֓֓֡֓ | RH Canister                   | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 1100.0 |
| As-Generated S | tored | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0          | ]                                       | Final Form Stored             | 0.0               | Project       | ed 1          | 100.0         | Total         | 1100.0 |

Packaging Material, Lead

Packaging Material, Steel Plug

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### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|         | n Radionuclides<br>ontinued)        |         | Radionuclides ntinued)              |         | Radionuclides ntinued)              | Final Form Radionuclides (Continued) |                                     |  |
|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|--------------------------------------|-------------------------------------|--|
| Isotope | Typical<br>Concentration<br>(Ci/m3) | Isotope | Typical<br>Concentration<br>(Ci/m3) | Isotope | Typical<br>Concentration<br>(Ci/m3) | Isotope                              | Typical<br>Concentration<br>(Ci/m3) |  |
| Cm-245  | 2.24E-07                            | Ni-63   | 1.66E-01                            | Pu-242  | 5.96E-05                            | Th-234                               | 6.17E-05                            |  |
| Cm-246  | 1.45E-08                            | Np-237  | 6.28E-03                            | Pu-244  | 5.10E-13                            | U-232                                | 2.17E-05                            |  |
| Cm-247  | 1.63E-14                            | Np-239  | 6.41E-05                            | Sb-125  | 4.04E+00                            | U-233                                | 3.62E-07                            |  |
| Cm-248  | 1.76E-14                            | Pa-233  | 8.54E-03                            | Sb-126  | 1.68E-04                            | U-234                                | 3.92E-03                            |  |
| Co-60   | 2.17E-01                            | Pa-234m | 6.17E-05                            | Sb-126m | 1.21E-03                            | U-235                                | 1.07E-04                            |  |
| Cs-134  | 8.29E-01                            | Pd-107  | 4.74E-05                            | Se-79   | 1.61E-03                            | U-236                                | 1.73E-04                            |  |
| Cs-135  | 3.28E-03                            | Pm-146  | 2.33E-04                            | Sm-151  | 1.28E+00                            | U-237                                | 8.51E-05                            |  |
| Cs-137  | 2.00E+02                            | Pm-147  | 1.58E+00                            | Sn-121m | 2.06E-04                            | U-238                                | 1.03E-04                            |  |
| Eu-152  | 1.11E-02                            | Pr-144  | 1.09E-02                            | Sn-126  | 1.52E-03                            | Y-90                                 | 1.60E+02                            |  |
| Eu-154  | 7.42E-01                            | Pu-236  | 2.35E-05                            | Sr-90   | 1.61E+02                            | Zr-93                                | 6.41E-03                            |  |
| Eu-155  | 7.12E-01                            | Pu-238  | 3.79E+00                            | Tc-99   | 1.78E-01                            |                                      | •                                   |  |
| Nb-93m  | 4.74E-03                            | Pu-239  | 4.51E-01                            | Te-125m | 2.21E-02                            |                                      |                                     |  |
| Nb-94   | 2.47E-01                            | Pu-240  | 3.73E-02                            | Th-230  | 6.00E-07                            |                                      |                                     |  |
| Ni-59   | 2.87E-03                            | Pu-241  | 2.00E+00                            | Th-231  | 7.74E-05                            |                                      |                                     |  |

Waste Stream Description The liquid SBW would be transferred from the storage tanks to the calcine process over a 2.5-year period. The calciner 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 550 and 600 degrees centigrade. The SBW feed to the calcine process would be mixed with aluminum nitrate and calcium nitrate, to tie up sodium and potassium and fluoride in the fluidized bed. The calcine would be removed pneumatically from the fluidized bed and transferred to the canning facility and placed in to 72-B canisters. The calciner off-gas is scrubbed with nitric acid to cool and remove fine calcine, mercury and chlorides from the off-gas. The off-gas would then pass through HEPA filters. The calcine would be RH-TRU waste, dried to 1% moisture, and would generate approximately 1375 canisters with a surface dose rate <100 Rem/hr.

> This treatment option was selected to be input into the 2002 update to the TWBIR, since only one option can be input. This is the bounding case for RH-TRU. Inventory will be adjusted accordingly when final option is determined.

Waste Stream Source Description N/A

Current Container Comments N/A

EPA Comments The EPA codes listed above are based on process knowledge and sampling of the liquid SBW stored in tanks. This is a potential newly generated waste stream and not analysis of the final waste form has been performed. Process research and development results have been used to estimate the volume and concentration of the constituents in the final waste form.

**Management Comments** 

The total inventory figures as to the waste volume and number of containers is based on preliminary process design calculation and could changes as the waste is retrieved and treated to a final waste form. Retrieval of the waste from the storage tanks, treatment, and shipping is planned to start in 2009 and be completed in 2012.

#### Annex I TWBIR ID: IN-SBW-01A TRU WASTE BASELINE INVENTORY WASTE PROFILE

| Acceptance Comments | N/A   |
|---------------------|---|
| Final Form Comments | The calcine generated by the SBW Calcine/MACT Treatment Process would generate approximately 1375 72-B canisters with a surface dose rate of 50 Rem/hr. Calcine is a dry granular product |

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### TWBIR ID: IN-SBW-01B

| HQ ID<br>Local ID                     | N/A<br>N/A                 | Handling Maste Type M |                 | ream Nai<br>nerator S |               |               | Option 1 - C Waste Forr |             | ess - Grouted Scrub<br>Inorganics |                   |               |               | -4            | Inventory Date 9/30/200 Waste Matrix Code S3000 |                        |  |  |  |
|---------------------------------------|----------------------------|-----------------------|-----------------|-----------------------|---------------|---------------|-------------------------|-------------|-----------------------------------|-------------------|---------------|---------------|---------------|---|------------------------|--|--|--|
| EP                                    | A Codes                    | Wa                    | ste Material    | Parame                | ters (kg/n    | n3)           |                         | Final V     | Vaste Form Descripto              | ors T             | RUCON Co      | odes          | Final F       | orm Ra  | dionuclides            |  |  |  |
| As-0                                  | Generated                  | Material I            | Parameter       | A                     | verage        | Lower         | Upper                   | Category:   | Defense TRU Waste                 |                   | N/A           |               |               |   | Typical                |  |  |  |
| · · · · · · · · · · · · · · · · · · · | D005, D006,                | Iron-Base I           | Metal/Alloys    |                       | 0.00          | 0.00          | 0.00                    | Residues:   | No                                |                   |               | <u></u>       | lootor        | _   | ncentration<br>(Ci/m3) |  |  |  |
|                                       | D008, D009,<br>D011, F001, | Aluminum-Bas          |                 | ys                    | 0.00          | 0.00          | 0.00                    | Asbestos:   |                                   |                   |               |               | Isotop        | Эе  | (Ci/iii3)              |  |  |  |
|                                       | F005, U134                 | Other Me              | etal/Alloys     |                       | 0.00          | 0.00          | 0.00                    |             |                                   |                   |               |               | Am-24         | 11  | 1.22E-02               |  |  |  |
|                                       |                            | Other Inorga          | ınic Materials  | 3                     | 0.00          | 0.00          | 0.00                    | PCBs:       | No                                |                   |               |               | Am-24         | 12  | 2.22E-06               |  |  |  |
|                                       |                            | Cellu                 | losics          |                       | 0.00          | 0.00          | 0.00                    | Source:     | Materials                         |                   |               |               | Am-242        | 2m  | 1.78E-06               |  |  |  |
|                                       |                            | Ruk                   | ober            |                       | 0.00          | 0.00          | 0.00                    |             | Production/Recovery               | Effluents         |               |               | Am-24         | 13  | 3.15E-06               |  |  |  |
|                                       |                            | Plas                  | stics           |                       | 0.00          | 0.00          | 0.00                    |             |                                   |                   |               |               | Ba-137        | 'm  | 7.49E+00               |  |  |  |
|                                       |                            | Solidified, Inc       | organic Matri   | х                     | 0.00          | 0.00          | 0.00                    |             |                                   |                   |               |               | C-14          |   | 1.50E-04               |  |  |  |
|                                       |                            | Cement (              | Solidified)     | 1                     | 600.00        | 0.00          | 0.00                    |             |                                   |                   |               |               | Cd-113        | 3m  | 4.56E-04               |  |  |  |
|                                       |                            | Vitr                  | ified           |                       | 0.00          | 0.00          | 0.00                    |             |                                   |                   |               |               | Ce-14         | 4   | 4.29E-04               |  |  |  |
|                                       |                            | Solidified, O         | rganic Matrix   | (                     | 0.00          | 0.00          | 0.00                    |             |                                   |                   |               |               | Cf-24         | 9   | 5.23E-16               |  |  |  |
|                                       |                            | Sc                    | oils            |                       | 0.00          | 0.00          | 0.00                    |             |                                   |                   |               |               | Cf-25         | 0   | 4.99E-16               |  |  |  |
|                                       |                            | Packaging M           | laterial, Stee  | ı                     | 499.00        |               |                         |             |                                   |                   |               |               | Cf-25         | 1   | 8.10E-18               |  |  |  |
|                                       |                            | Packaging M           | aterial, Plasti | ic                    | 0.00          |               |                         |             |                                   |                   |               |               | Cm-24         | 12  | 2.90E-06               |  |  |  |
|                                       |                            | Packaging M           | faterial, Lead  | t                     | 0.00          |               |                         |             |                                   |                   |               |               | Cm-24         | 13  | 4.45E-06               |  |  |  |
|                                       |                            | Packaging Mat         | erial, Steel P  | lug                   | 0.00          |               |                         |             |                                   |                   |               |               | Cm-24         | 14  | 4.53E-04               |  |  |  |
|                                       |                            |                       |                 |                       |               |               |                         |             |                                   |                   |               | (Rad          | dionuclide    | es contir                                       | ued next page          |  |  |  |
|                                       |                            |                       |                 | V                     | Vaste Vo      | lume Deta     | il (Cubic me            | ters) for T | WBIR ID : IN-SBW-01               | В                 |               |               |               |   |                        |  |  |  |
|                                       |                            | As-Ger                | nerated Volu    | ımes                  |               |               |                         |             |                                   | Final             | Form Volu     | mes           |               |   |                        |  |  |  |
|                                       | Stored                     |                       |                 |                       | cted          |               |                         |             |                                   | Stored            |               | Proje         | cted          |   |                        |  |  |  |
|                                       | ContainerType              | End of<br>CY 2001     | 2002-<br>2006   | 2007-<br>2016         | 2017-<br>2026 | 2027-<br>2036 | Total                   | c           | ContainerType                     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036                                   | Total                  |  |  |  |
| Other                                 |                            | 0.0                   | 0.0             | 0.0                   | 0.0           | 0.0           | 0.0                     | RH Cani     | ster                              | 0.0               | 0.0           | 0.0           | 0.0           | 0.0   | 30.4                   |  |  |  |
| As-Ger                                | nerated St                 | ored 0.0              | Projected       | d l                   | 0.0           | Total         | 0.0                     | Final Fo    | rm Stored                         | 0.0               | Projecte      | d             | 30.4          | Total   | 30.4                   |  |  |  |

TWBIR ID: IN-SBW-01B

#### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|         | n Radionuclides<br>ontinued)        |         | n Radionuclides<br>ontinued)        |         | Radionuclides ntinued)              | Final Form Radionuclides (Continued) |                                     |  |
|---------|-------------------------------------|---------|-------------------------------------|---------|-------------------------------------|--------------------------------------|-------------------------------------|--|
| Isotope | Typical<br>Concentration<br>(Ci/m3) | Isotope | Typical<br>Concentration<br>(Ci/m3) | Isotope | Typical<br>Concentration<br>(Ci/m3) | Isotope                              | Typical<br>Concentration<br>(Ci/m3) |  |
| Cm-245  | 8.82E-09                            | Ni-59   | 1.13E-04                            | Pu-241  | 7.86E-02                            | Tc-99                                | 6.96E-03                            |  |
| Cm-246  | 5.71E-10                            | Ni-63   | 6.51E-03                            | Pu-242  | 2.34E-06                            | Te-125m                              | 8.66E-04                            |  |
| Cm-247  | 6.43E-16                            | Np-237  | 2.46E-04                            | Pu-244  | 2.00E-14                            | Th-230                               | 2.35E-08                            |  |
| Cm-248  | 6.90E-16                            | Np-239  | 2.51E-06                            | Rh-102  | 3.42E-06                            | Th-231                               | 3.04E-06                            |  |
| Co-60   | 8.51E-03                            | Pa-233  | 3.36E-04                            | Rh-106  | 2.02E-02                            | Th-234                               | 2.42E-06                            |  |
| Cs-134  | 3.26E-02                            | Pa-234m | 2.42E-06                            | Ru-106  | 2.02E-02                            | U-232                                | 8.53E-07                            |  |
| Cs-135  | 1.29E-04                            | Pd-107  | 1.86E-06                            | Sb-125  | 1.59E-01                            | U-233                                | 1.42E-08                            |  |
| Cs-137  | 7.84E+00                            | Pm-146  | 9.12E-06                            | Sb-126  | 6.61E-06                            | U-234                                | 1.54E-04                            |  |
| Eu-152  | 4.34E-04                            | Pm-147  | 6.19E-02                            | Sb-126m | 4.75E-05                            | U-235                                | 4.19E-06                            |  |
| Eu-154  | 2.91E-02                            | Pr-144  | 4.29E-04                            | Se-79   | 6.32E-05                            | U-236                                | 6.77E-06                            |  |
| Eu-155  | 2.78E-02                            | Pu-236  | 9.23E-07                            | Sm-151  | 5.02E-02                            | U-237                                | 3.34E-06                            |  |
| I-129   | 4.21E-06                            | Pu-238  | 1.49E-01                            | Sn-121m | 8.10E-06                            | U-238                                | 4.05E-06                            |  |
| Nb-93m  | 1.86E-04                            | Pu-239  | 1.78E-02                            | Sn-126  | 5.97E-05                            | Y-90                                 | 6.29E+00                            |  |
| Nb-94   | 9.73E-03                            | Pu-240  | 1.47E-03                            | Sr-90   | 6.30E+00                            | Zr-93                                | 2.51E-04                            |  |

the metals dissolved in the nitric acid into a dry granular powder. The fluidized bed operates at temperature between 550 and 600 degrees centigrade. The SBW feed to the calcine process would be mixed with aluminum nitrate and calcium nitrate, to tie up sodium and potassium and fluoride in the fluidized bed. The calcine would be removed pneumatically from the fluidized bed and transferred to the canning facility and placed in to 72-B canisters. The calciner off-gas is scrubbed with nitric acid to cool and remove fine calcine, mercury and chlorides from the off-gas. The scrubber blowdown would be grouted with 14 wt % Ca(OH)2, 9 wt % blast furnace slag and 7 wt % Portland cement. The grout would contain 30% moisture and packaged in RH-canister and generate approximately 38 canisters with a surface dose rate <100 Rem/hr.

#### Waste Stream Source Description N/A

#### Current Container Comments N/A

EPA Comments The EPA codes listed above are based on process knowledge and sampling of the liquid SBW stored in tanks. This is a potential newly generated waste stream and not analysis of the final waste form has been performed. Process research and development results have been used to estimate the volume and concentration of the constituents in the final waste form.

#### Management Comments

The total inventory figures as to the waste volume and number of containers is based on preliminary process design calculation and could changes as the waste is retrieved and treated to a final waste form. Retrieval of the waste from the storage tanks, treatment, and shipping is planned to start in 2009 and be completed in 2012.

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Acceptance Comments N/A

Final Form Comments Grouted Scrub waste stream will generate approximately 38 canisters with a surface dose rate <100 Rem/hr.

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### TWBIR ID: IN-TRA-BE-01

| IQ ID   | N/A              | Handling RH Stream Name TRA Beryllium Blocks |                             |                    |            |               |              |                      |                   |               | Inv           | Inventory Date 9/30/200 |                         |                        |  |  |
|---------|------------------|--|-----------------------------|--------------------|------------|---------------|--------------|----------------------|-------------------|---------------|---------------|-------------------------|-------------------------|------------------------|--|--|
| ocal ID | N/A              | Waste Type TR                                | U Gene                      | erator Site        | √ Fina     | al Waste Forr | m Uncatego   | rized Metal          |                   |               |               | Waste                   | Waste Matrix Code S5000 |                        |  |  |
| EP      | A Codes          | Wast   | te Material P               | Parameters (k      | g/m3)      |               | Final V      | Vaste Form Descripto | ors T             | RUCON C       | odes          | Final F                 | orm Rac                 | dionuclides            |  |  |
| As-G    | enerated         | Material Pa                                  | rameter                     | Average            | Lower      | Upper         | Category:    | Defense TRU Waste    | )                 | NA            |               |                         |                         | Typical                |  |  |
|         | N/A              | Iron-Base Me                                 | -                           | 0.00               | 0.00       | 0.00          | Residues:    | No                   |                   |               |               | Isoto                   |                         | ncentration<br>(Ci/m3) |  |  |
|         |                  | Aluminum-Base                                | ,                           |                    | 0.00       | 0.00          | Asbestos:    | No                   | <u> </u>          |               |               | 13010                   | <i>.</i>                | ` ,                    |  |  |
|         |                  | Other Meta                                   | ,                           | 337.00             | 0.00       | 0.00          |              |                      | <del></del>       |               |               | Am-24                   |                         | 4.89E-02               |  |  |
|         |                  | Other Inorgani                               | c Materials                 | 0.00               | 0.00       | 0.00          | PCBs:        |                      |                   |               |               | Be-1                    | 0                       | 9.87E-01               |  |  |
|         |                  | Cellulo                                      | sics                        | 0.00               | 0.00       | 0.00          | Source:      | N/A                  |                   |               |               | C-14                    | ļ                       | 7.81E+00               |  |  |
|         |                  | Rubb   | er                          | 0.00               | 0.00       | 0.00          |              |                      |                   |               |               | Co-6                    | 0                       | 4.87E+02               |  |  |
|         |                  | Plasti                                       | CS                          | 0.00               | 0.00       | 0.00          |              |                      |                   |               |               | Cs-13                   | 37                      | 6.11E+00               |  |  |
|         |                  | Solidified, Inorg                            | ganic Matrix                | 0.00               | 0.00       | 0.00          |              |                      |                   |               |               | H-3                     |                         | 8.11E+04               |  |  |
|         |                  | Cement (So                                   | olidified)                  | 0.00               | 0.00       | 0.00          |              |                      |                   |               |               | I-129                   | )                       | 5.86E-06               |  |  |
|         |                  | Vitrifie                                     | ed                          | 0.00               | 0.00       | 0.00          |              |                      |                   |               |               | Ni-59                   | 9                       | 1.01E-01               |  |  |
|         |                  | Solidified, Organic Matrix                   | 0.00                        | 0.00               | .00 0.00   |               |              |                      |                   |               | Ni-63         | 3                       | 2.35E+01                |                        |  |  |
|         |                  | Soils  | S                           | 0.00               | 0.00       | 0.00          |              |                      |                   |               |               | Pu-23                   | 88                      | 2.95E-02               |  |  |
|         |                  | Packaging Ma                                 | terial, Steel               | 454.00             |            |               |              |                      |                   |               |               | Pu-23                   | 39                      | 5.90E-03               |  |  |
|         |                  | Packaging Mate                               | Packaging Material, Plastic |                    |            |               |              |                      |                   |               |               | Pu-24                   | 10                      | 1.54E-02               |  |  |
|         |                  | Packaging Ma                                 | terial, Lead                | 0.00               |            |               |              |                      |                   |               |               | Pu-241                  | 11                      | 1.97E+00               |  |  |
|         |                  | Packaging Mater                              | ial, Steel Plu              | ig 0.00            |            |               |              |                      |                   |               |               | Pu-24                   | 12                      | 3.23E-04               |  |  |
|         |                  |  |                             | •                  |            |               |              |                      |                   |               | (Ra           | dionuclide              | es contin               | ued next pag           |  |  |
|         |                  |  |                             | Waste V            | olume Deta | ail (Cubic me | ters) for TV | VBIR ID : IN-TRA-BE- | -01               |               |               |                         |                         |                        |  |  |
|         |                  | As-Gene                                      | rated Volum                 | nes                |            |               |              |                      | Final I           | Form Volu     | ımes          |                         |                         |                        |  |  |
|         | Stored Projected |  |                             |                    |            |               |              |                      | Stored            |               | Proje         | ected                   |                         |                        |  |  |
|         | ContainerType    | End of<br>CY 2001                            |                             | 2017-<br>2016 2026 | _          | Total         |              |                      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026           | 2027-<br>2036           | Total                  |  |  |
| Other   |                  | 4.0  | 0.9                         | 2.2 1              | .3 0.0     | 0 9.0         | RH Canis     | ster                 | 11.6              | 0.0           | 0.0           | 0.0                     | 0.0                     | 24.0                   |  |  |
| As-Gen  | erated St        | ored 4.0                                     | Projected                   | 5.0                | Total      | 9.0           | Final For    | rm Stored            | 11.6              | Project       | ed            | 12.5                    | Total                   | 24.0                   |  |  |

#### TWBIR ID: IN-TRA-BE-01

# Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

## Final Form Radionuclides (Continued)

| Isotope | Typical<br>Concentration<br>(Ci/m3) |
|---------|-------------------------------------|
| Sr-90   | 1.80E+00                            |
| U-233   | 2.15E-05                            |
| U-234   | 5.50E-06                            |
| U-238   | 1.88E-06                            |

| 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 INEEL.                       |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | These blocks and OSCCs are not in containers. This waste stream will be put into canisters for disposition (2 blocks/canister, 8 OSCCs/canister). The canister volume is 1 m3. |
| EPA Comments                      | N/A  |
| Management Comments               | This is a new waste stream and was not included in the previous Transuranic Waste Baseline Inventory Report submittal.   |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

### TWBIR ID: **IN-W146.699**

| HQ ID IN-W14 Local ID ID-TRA-2 |                                | Name TRU   |               |        | UDGE Form Solidified Inorganics |              | Invento<br>Waste Matr    | ory Date 4/30/199 |  |
|--------------------------------|--------------------------------|------------|---------------|--------|---------------------------------|--------------|--------------------------|-------------------|--|
| EPA Codes                      | Waste Material Para            | meters (kg | /m3)          |        | Final Waste Form Descriptors    | TRUCON Codes | Final Form Radionuclides |                   |  |
| As-Generated                   | Material Parameter             | Average    | e Lower Upper |        | Category: Defense TRU Waste     | N/A          |                          | Typical           |  |
| D006, D007, D008               | , Iron-Base Metal/Alloys       | 0.00       | 0.00          | 0.00   | Residues: No                    | <del></del>  | lastana                  | Concentration     |  |
| D009, D011                     | Aluminum-Base Metal/Alloys     | 0.00       | 0.00          | 0.00   |                                 | ╡            | Isotope                  | (Ci/m3)           |  |
|                                | Other Metal/Alloys             | 0.00       | 0.00          | 0.00   | Asbestos: No                    | <u> </u>     | Am-241                   | 3.24E-01          |  |
|                                | Other Inorganic Materials      | 394.20     | 173.10        | 528.80 | PCBs: No                        |              | Ce-144                   | 1.38E+00          |  |
|                                | Cellulosics                    | 0.00       | 0.00          | 0.00   | Source: Remediation/D&D Waste   |              | Cm-244                   | 4.06E-01          |  |
|                                | Rubber                         | 0.00       | 0.00          | 0.00   |                                 | <del>_</del> | Co-60                    | 7.20E-01          |  |
|                                | Plastics                       | 0.00       | 0.00          | 0.00   |                                 |              | Cs-134                   | 2.79E+00          |  |
|                                | Solidified, Inorganic Matrix   | 399.00     | 173.10        | 528.80 |                                 |              | Cs-137                   | 3.07E+01          |  |
|                                | Cement (Solidified)            | 0.00       | 0.00          | 0.00   |                                 |              | Eu-154                   | 3.55E-01          |  |
|                                | Vitrified                      | 0.00       | 0.00          | 0.00   |                                 |              | Eu-155                   | 2.01E+05          |  |
|                                | Solidified, Organic Matrix     | 0.00       | 0.00          | 0.00   |                                 |              | Pu-238                   | 3.70E-01          |  |
|                                | Soils                          | 0.00       | 0.00          | 0.00   |                                 |              | Pu-239                   | 3.03E-01          |  |
|                                | Packaging Material, Steel      | 131.00     |               |        |                                 |              | Sb-125                   | 1.34E-01          |  |
|                                | Packaging Material, Plastic    | 37.00      |               |        |                                 |              | Sr-90                    | 4.18E+01          |  |
|                                | Packaging Material, Lead       | 0.00       |               |        |                                 |              |                          |                   |  |
|                                | Packaging Material, Steel Plug | 0.00       |               |        |                                 |              |                          |                   |  |

|                     | 699               |               |               |               |               |        |                   |                   |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |        |                   | Final I           | orm Volu      | mes           |               |               |       |
|                     | Stored Projected  |               |               |               |               | Stored | Projected         |                   |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum                | 2.1               | 0.0           | 0.0           | 0.0           | 0.0           | 2.1    | 55 Gallon Drum    | 2.3               | 0.0           | 0.0           | 0.0           | 0.0           | 2.3   |
| As-Generated Stored | 2.1               | Projecte      | ed            | 0.0           | Total         | 2.1    | Final Form Stored | 2.3               | Projecte      | ed            | 0.0           | Total         | 2.3   |

TWBIR ID: **IN-W146.699** 

| 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." |
|-----------------------------------|---|
| Waste Stream Source Description   | This waste stream was generated at TRA, TRA-730 MTR Catch Tanks: Tanks collect waste from laboratories and the TRA Hot Cells The generating process is: Laboratory and Hot Cell operations.                                     |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | High uncertainty.   |
| Management Comments               | Contact radiation readings range from 800 mR/hr to 5000 mR/hr.  |
| Acceptance Comments               | N/A   |
| Final Form Comments               | All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.  |

### TWBIR ID: **IN-W325.1076**

|              | N-W325<br>MDO-815T | Handling CH Stream Waste Type TRU Generate | Name CLASSIFIED PARTS:Cert-repack or Site MD Final Waste Form Heterogeneous Debris |              |          |                                |              |                          | Inventory Date 4/30/199 Waste Matrix Code S9000 |  |  |  |
|--------------|--------------------|--|--|--------------|----------|--------------------------------|--------------|--------------------------|---|--|--|--|
| EPA Codes    |                    | Waste Material Para                        | meters (kg   | /m3)         |          | Final Waste Form Descriptors   | TRUCON Codes | Final Form Radionuclides |   |  |  |  |
| As-Generated |                    | Material Parameter                         | Average  | Lower        | Upper    | Category: Defense TRU Waste    | N/A          |                          | Typical   |  |  |  |
| N/A          |                    | Iron-Base Metal/Alloys                     | 0.00   | 0.00         | 0.00     | Residues: No                   |              | lootono                  | Concentration                                   |  |  |  |
|              |                    | Aluminum-Base Metal/Alloys                 | 0.00   | 0.00         | 0.00     | Asbestos: Unknown              |              | Isotope                  | (Ci/m3)   |  |  |  |
|              |                    | Other Metal/Alloys                         | 0.30   | 0.00         | 17.90    |                                |              | Pu-238                   | 3.23E+01  |  |  |  |
|              |                    | Other Inorganic Materials                  | 11.10  | 0.00         | 17.30    | PCBs: No                       |              |                          |   |  |  |  |
|              |                    | Cellulosics                                | 63.00  | 63.00        | 706.70   | Source: Source Information Not |              |                          |   |  |  |  |
|              |                    | Rubber                                     | 19.30  | 19.30 194.40 | Compiled |                                |              |                          |   |  |  |  |
|              |                    | Plastics                                   | 191.80   | 158.70       | 706.70   |                                |              |                          |   |  |  |  |
|              |                    | Solidified, Inorganic Matrix               | 0.00   | 0.00         | 0.00     |                                |              |                          |   |  |  |  |
|              |                    | Cement (Solidified)                        | 0.00   | 0.00         | 0.00     |                                |              |                          |   |  |  |  |
|              |                    | Vitrified                                  | 0.00   | 0.00         | 0.00     |                                |              |                          |   |  |  |  |
|              |                    | Solidified, Organic Matrix                 | 0.00   | 0.00         | 0.00     |                                |              |                          |   |  |  |  |
|              |                    | Soils                                      | 0.00   | 0.00         | 0.00     |                                |              |                          |   |  |  |  |
|              |                    | Packaging Material, Steel                  | 131.00   |              |          |                                |              |                          |   |  |  |  |
|              |                    | Packaging Material, Plastic                | 37.00  |              |          |                                |              |                          |   |  |  |  |
|              |                    | Packaging Material, Lead                   | 0.00   |              |          |                                |              |                          |   |  |  |  |
|              |                    | Packaging Material, Steel Plug             | 0.00   |              |          |                                |              |                          |   |  |  |  |

| Waste Volume Detail (Cubic meters) for TWBIR ID : IN-W325.1076 |        |                   |               |               |               |               |                    |                |        |              |               |               |               |               |       |
|--|--------|-------------------|---------------|---------------|---------------|---------------|--------------------|----------------|--------|--------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes   |        |                   |               |               |               |               | Final Form Volumes |                |        |              |               |               |               |               |       |
| ContainerType  |        | Stored            | Projected     |               |               |               |                    |                | Stored |              | Projected     |               |               |               |       |
|  |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total              | ContainerType  |        | d of<br>2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum   |        | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2                | 55 Gallon Drum |        | 0.4          | 0.0           | 0.0           | 0.0           | 0.0           | 0.4   |
| As-Generated   | Stored | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2                | Final Form Sto | ored   | 0.4          | Projecte      | ed            | 0.0           | Total         | 0.4   |

TWBIR ID: **IN-W325.1076** 

| Waste Stream Description          | There is no content information for this waste stream, which was generated at Mound Laboratory. It is thought that there may be classified parts in this waste. Classified parts will be removed prior to shipment to WIPP and the stream will be declassified in final form.                               |
|-----------------------------------|---|
| Waste Stream Source Description   | This waste stream was generated at UNK: UNK. The generating process is: UNK   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.  |
| Management Comments               | Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.  |

TWBIR ID: **IN-W325.679** 

### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | IN-W325<br>ID-MDO-815T | <u> </u>                       | Name CLA<br>or Site MI |       |        | ect Ship<br>Form Heterogeneous Debris |               | Invento<br>Waste Matr | ory Date 4/30/1999<br>Fix Code \$9000 |
|-------------------|------------------------|--------------------------------|------------------------|-------|--------|---------------------------------------|---------------|-----------------------|---------------------------------------|
| EF                | PA Codes               | Waste Material Para            | meters (kg             | /m3)  |        | Final Waste Form Descriptors          | TRUCON Codes  | Final Form            | Radionuclides                         |
| As-               | Generated              | Material Parameter             | Average                | Lower | Upper  | Category: Defense TRU Waste           | N/A           |                       | Typical                               |
|                   | N/A                    | Iron-Base Metal/Alloys         | 0.00                   | 0.00  | 0.00   | Residues: No                          | <u> </u>      | lastana               | Concentration                         |
|                   |                        | Aluminum-Base Metal/Alloys     | 0.00                   | 0.00  | 0.00   |                                       | <del>- </del> | Isotope               | (Ci/m3)                               |
|                   |                        | Other Metal/Alloys             | 0.17                   | 0.00  | 17.90  | Asbestos: Unknown                     | ╛             | Pu-238                | 3.23E+01                              |
|                   |                        | Other Inorganic Materials      | 6.44                   | 0.00  | 17.30  | PCBs: No                              |               |                       |                                       |
|                   |                        | Cellulosics                    | 36.55                  | 27.73 | 706.70 | Source: Source Information Not        | 7             |                       |                                       |
|                   |                        | Rubber                         | 11.20                  | 8.50  | 194.40 | Compiled                              |               |                       |                                       |
|                   |                        | Plastics                       | 111.27                 | 69.86 | 706.70 |                                       |               |                       |                                       |
|                   |                        | Solidified, Inorganic Matrix   | 0.00                   | 0.00  | 0.00   |                                       |               |                       |                                       |
|                   |                        | Cement (Solidified)            | 0.00                   | 0.00  | 0.00   |                                       |               |                       |                                       |
|                   |                        | Vitrified                      | 0.00                   | 0.00  | 0.00   |                                       |               |                       |                                       |
|                   |                        | Solidified, Organic Matrix     | 0.00                   | 0.00  | 0.00   |                                       |               |                       |                                       |
|                   |                        | Soils                          | 0.00                   | 0.00  | 0.00   |                                       |               |                       |                                       |
|                   |                        | Packaging Material, Steel      | 191.75                 |       |        |                                       |               |                       |                                       |
|                   |                        | Packaging Material, Plastic    | 22.38                  |       |        |                                       |               |                       |                                       |
|                   |                        | Packaging Material, Lead       | 0.00                   |       |        |                                       |               |                       |                                       |
|                   |                        | Packaging Material, Steel Plug | 0.00                   |       |        |                                       |               |                       |                                       |

|   |        |                   |               | 1             | Naste Vol     | ume Deta      | il (Cubic me |  |  |  |  |  |
|---|--------|-------------------|---------------|---------------|---------------|---------------|--------------|--|--|--|--|--|
| As-Generated Volumes  Stored Projected End of 2002- 2007- 2017- 2027- |        |                   |               |               |               |               |              |  |  |  |  |  |
|   |        |                   |               | Proje         | ected         |               |              |  |  |  |  |  |
| ContainerType   | )      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        |  |  |  |  |  |
| Drum  |        | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2          |  |  |  |  |  |
| As-Generated  | Stored | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2          |  |  |  |  |  |

| net | ers) for TWBIR ID : IN-W325.679 |                 |                   |               |               |               |               |       |  |  |  |  |  |
|-----|---------------------------------|-----------------|-------------------|---------------|---------------|---------------|---------------|-------|--|--|--|--|--|
|     | Final Form Volumes              |                 |                   |               |               |               |               |       |  |  |  |  |  |
|     | Stored Projected                |                 |                   |               |               |               |               |       |  |  |  |  |  |
|     | ContainerTyp                    | e               | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |  |  |  |
| .2  | 55 Gallon Drum                  | Sallon Drum 0.2 |                   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |  |  |  |  |  |
| .2  | SWB used to overpace            | k 55 gall       | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6   |  |  |  |  |  |
|     | Final Form                      | 0.8             | Projecte          | ed            | 0.0           | Total         | 0.8           |       |  |  |  |  |  |

TWBIR ID: **IN-W325.679** 

| Waste Stream Description          | There is no content information for this waste stream, which was generated at Mound Laboratory. It is thought that there may be classified parts in this waste. Classified parts will be removed prior to shipment to WIPP and the stream will be declassified in final form.  |
|-----------------------------------|--|
| Waste Stream Source Description   | This waste stream was generated at UNK: UNK. The generating process is: UNK  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.   |
| Management Comments               | Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.                |
| Acceptance Comments               | N/A  |
| Final Form Comments               | All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.  Original data showed 1 SWB. Int. volume and # stored changed to more accurately reflect the waste volume of 0.5 m3 as follows:  .5 m3 / .208 m3 / drum = 2.404 drums, rounded to 3 drums.  Tb 3/27/03. |

TWBIR ID: **IN-W350.650** 

### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID IN-W350<br>Local ID ID-AEO-106T |                                | Name SPE<br>or Site AE |       |       | FORM Heterogeneous Debris      |              | Invento<br>Waste Matr | ory Date 4/30/1995<br>ix Code \$9000 |
|---------------------------------------|--------------------------------|------------------------|-------|-------|--------------------------------|--------------|-----------------------|--------------------------------------|
| EPA Codes                             | Waste Material Para            | meters (kg             | ı/m3) |       | Final Waste Form Descriptors   | TRUCON Codes | Final Form            | Radionuclides                        |
| As-Generated                          | Material Parameter             | Average                | Lower | Upper | Category: Defense TRU Waste    | N/A          |                       | Typical                              |
| N/A                                   | Iron-Base Metal/Alloys         | 0.00                   | 0.00  | 0.00  | Residues: No                   | <u> </u>     | Isotope               | Concentration                        |
|                                       | Aluminum-Base Metal/Alloys     | 0.00                   | 0.00  | 0.00  |                                | <u></u><br>7 |                       | (Ci/m3)                              |
|                                       | Other Metal/Alloys             | 0.00                   | 0.00  | 0.00  | Asbestos: Unknown              | <u> </u>     | Pu-239                | 5.74E+01                             |
|                                       | Other Inorganic Materials      | 0.00                   | 0.00  | 0.00  | PCBs: No                       |              | Pu-240                | 1.76E+02                             |
|                                       | Cellulosics                    | 0.00                   | 0.00  | 0.00  | Source: Source Information Not |              |                       |                                      |
|                                       | Rubber                         | 0.00                   | 0.00  | 0.00  | Compiled                       |              |                       |                                      |
|                                       | Plastics                       | 0.00                   | 0.00  | 0.00  |                                |              |                       |                                      |
|                                       | Solidified, Inorganic Matrix   | 0.00                   | 0.00  | 0.00  |                                |              |                       |                                      |
|                                       | Cement (Solidified)            | 0.00                   | 0.00  | 0.00  |                                |              |                       |                                      |
|                                       | Vitrified                      | 0.00                   | 0.00  | 0.00  |                                |              |                       |                                      |
|                                       | Solidified, Organic Matrix     | 0.00                   | 0.00  | 0.00  |                                |              |                       |                                      |
|                                       | Soils                          | 0.00                   | 0.00  | 0.00  |                                |              |                       |                                      |
|                                       | Packaging Material, Steel      | 191.75                 | I     |       |                                |              |                       |                                      |
|                                       | Packaging Material, Plastic    | 22.38                  |       |       |                                |              |                       |                                      |
|                                       | Packaging Material, Lead       | 0.00                   |       |       |                                |              |                       |                                      |
|                                       | Packaging Material, Steel Plug | 0.00                   |       |       |                                |              |                       |                                      |

|              |        |                   |               | '             | Waste Vol     | ume Deta      | il (Cubic me | eters) |
|--------------|--------|-------------------|---------------|---------------|---------------|---------------|--------------|--------|
|              |        | As-Gene           | erated Vol    | lumes         |               |               |              |        |
|              |        | Stored            |               | Proje         | ected         |               |              |        |
| ContainerT   | /pe    | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        |        |
| Drum         |        | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2          | 55     |
| As-Generated | Stored | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2          | SV     |

| t | ers) for TWBIR ID : IN-W350.650                  |                   |               |               |               |               |       |  |  |  |  |  |  |
|---|--|-------------------|---------------|---------------|---------------|---------------|-------|--|--|--|--|--|--|
|   | Final Form Volumes                               |                   |               |               |               |               |       |  |  |  |  |  |  |
|   | Stored Projected                                 |                   |               |               |               |               |       |  |  |  |  |  |  |
|   | ContainerType                                    | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |  |  |  |  |
|   | 55 Gallon Drum                                   | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |  |  |  |  |  |  |
|   | SWB used to overpack 55 gall 0.6 0.0 0.0 0.0 0.0 |                   |               |               |               |               |       |  |  |  |  |  |  |
|   | er te Ctarrel 0.0 Projected 0.0 Tatal 0.0        |                   |               |               |               |               |       |  |  |  |  |  |  |

 Final Form
 Stored
 0.8
 Projected
 0.0
 Total
 0.8

#### TWBIR ID: **IN-W350.650**

| Waste Stream Description          | There is no descriptive or constituent information available for this waste, which was generated at ANL-E.   |
|-----------------------------------|--|
| Waste Stream Source Description   | This waste stream was generated at UNK: UNK. The generating process is: UNK  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.   |
| Management Comments               | Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.                |
| Acceptance Comments               | N/A  |
| Final Form Comments               | All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.  Original data showed 1 SWB. Int. volume and # stored changed to more accurately reflect the waste volume of 0.5 m3 as follows:  .5 m3 / .208 m3 / drum = 2.404 drums, rounded to 3 drums.  Tb 3/27/03. |

### TWBIR ID: IN-W350.923

| HQ ID IN-W350 Local ID ID-AEO-106T | <u> </u>                       | Name SPE<br>or Site AE |       |       | ERIAL: Cert-re Form Heteroge | •                      |              | Invento<br>Waste Mati | ory Date 4/30/1995<br>rix Code S9000 |
|------------------------------------|--------------------------------|------------------------|-------|-------|------------------------------|------------------------|--------------|-----------------------|--------------------------------------|
| EPA Codes                          | Waste Material Para            | meters (kg             | /m3)  |       | Final V                      | Vaste Form Descriptors | TRUCON Codes | Final Form            | Radionuclides                        |
| As-Generated                       | Material Parameter             | Average                | Lower | Upper | Category:                    | Defense TRU Waste      | N/A          |                       | Typical                              |
| N/A                                | Iron-Base Metal/Alloys         | 0.00                   | 0.00  | 0.00  | Residues:                    | No                     |              | lastana               | Concentration                        |
|                                    | Aluminum-Base Metal/Alloys     | 0.00                   | 0.00  | 0.00  | Asbestos:                    |                        | =            | Isotope               | (Ci/m3)                              |
|                                    | Other Metal/Alloys             | 0.00                   | 0.00  | 0.00  |                              |                        |              | Pu-239                | 5.74E+01                             |
|                                    | Other Inorganic Materials      | 0.00                   | 0.00  | 0.00  | PCBs:                        | No                     |              | Pu-240                | 1.76E+02                             |
|                                    | Cellulosics                    | 0.00                   | 0.00  | 0.00  | Source:                      | Source Information Not |              |                       | -                                    |
|                                    | Rubber                         | 0.00                   | 0.00  | 0.00  |                              | Compiled               |              |                       |                                      |
|                                    | Plastics                       | 0.00                   | 0.00  | 0.00  |                              |                        |              |                       |                                      |
|                                    | Solidified, Inorganic Matrix   | 0.00                   | 0.00  | 0.00  |                              |                        |              |                       |                                      |
|                                    | Cement (Solidified)            | 0.00                   | 0.00  | 0.00  |                              |                        |              |                       |                                      |
|                                    | Vitrified                      | 0.00                   | 0.00  | 0.00  |                              |                        |              |                       |                                      |
|                                    | Solidified, Organic Matrix     | 0.00                   | 0.00  | 0.00  |                              |                        |              |                       |                                      |
|                                    | Soils                          | 0.00                   | 0.00  | 0.00  |                              |                        |              |                       |                                      |
|                                    | Packaging Material, Steel      | 131.00                 | •     | -     |                              |                        |              |                       |                                      |
|                                    | Packaging Material, Plastic    | 37.00                  |       |       |                              |                        |              |                       |                                      |
|                                    | Packaging Material, Lead       | 0.00                   |       |       |                              |                        |              |                       |                                      |
|                                    | Packaging Material, Steel Plug | 0.00                   |       |       |                              |                        |              |                       |                                      |

|              |                  |                   |               | 1             | <b>Vaste Vol</b> | ume Detai     | il (Cubic me | ters) for TWBIR ID : IN-W350.9 | 23                |               |               |               |               |       |
|--------------|------------------|-------------------|---------------|---------------|------------------|---------------|--------------|--------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|              |                  | As-Gene           | erated Vol    | lumes         |                  |               |              | Final Form Volumes             |                   |               |               |               |               |       |
|              | Stored Projected |                   |               |               |                  |               |              |                                | Stored            |               | Proje         | ected         |               |       |
| ContainerTyp | е                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026    | 2027-<br>2036 | Total        | ContainerType                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum         |                  | 0.2               | 0.0           | 0.0           | 0.0              | 0.0           | 0.2          | 55 Gallon Drum                 | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated | Stored           | 0.2               | Projecte      | ed            | 0.0              | Total         | 0.2          | Final Form Stored              | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: **IN-W350.923** 

| Waste Stream Description          | There is no descriptive or constituent information available for this waste, which was generated at ANL-E.  |
|-----------------------------------|---|
| Waste Stream Source Description   | This waste stream was generated at UNK: UNK. The generating process is: UNK   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.  |
| Management Comments               | Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.  |

## TWBIR ID: IN-W359.853 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

IN-W359 CH Stream Name NEUTRON SOURCES Inventory Date 4/30/1995 Handling HQ ID Local ID ID-BTO-015TN Final Waste Form Uncategorized Metal **Waste Type** TRU **Generator Site** BT **Waste Matrix Code** S9000 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Category: Defense TRU Waste **As-Generated Material Parameter** Average Lower Upper N/A Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: Unknown Other Metal/Alloys 0.00 0.00 0.00 Pu-238 1.41E+02 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 0.00 0.00 Source: Source Information Not Cellulosics 0.00 Compiled 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 0.00 0.00 0.00 Solidified, Inorganic Matrix Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 37.00

|                     |                   |               | ١             | Vaste Vol     | ume Detai     | il (Cubic me | ters) for TWBIR ID : IN-W359.85 | i3                |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------|---------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |              | Final Form Volumes              |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               |              | Stored                          |                   | Proje         | ected         |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum                | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6          | 55 Gallon Drum                  | 0.8               | 0.0           | 0.0           | 0.0           | 0.0           | 0.8   |
| As-Generated Stored | 0.6               | Project       | ed            | 0.0           | Total         | 0.6          | Final Form Stored               | 0.8               | Projecte      | ed            | 0.0           | Total         | 0.8   |

Packaging Material, Lead

Packaging Material, Steel Plug

0.00

0.00

TWBIR ID: **IN-W359.853** 

| Waste Stream Description          | There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.   |
|-----------------------------------|---|
| Waste Stream Source Description   | This waste stream was generated at UNK: UNK. The generating process is: UNK   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.  |
| Management Comments               | Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.  |

# TWBIR ID: IN-W360.852 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

IN-W360 CH Stream Name MISCELLANEOUS SOURCES:RH Direct Ship Inventory Date 4/30/1995 Handling HQ ID ID-BTO-012TN Local ID **Waste Type** TRU Generator Site BT Final Waste Form Uncategorized Metal **Waste Matrix Code** S9000 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste Upper As-Generated **Material Parameter** Average Lower N/A N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: Unknown Other Metal/Alloys 0.00 0.00 0.00 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 0.00 0.00 Source: Source Information Not Cellulosics 0.00 Compiled 0.00 0.00 Rubber 0.00 **Plastics** 0.00 0.00 0.00 0.00 0.00 0.00 Solidified, Inorganic Matrix Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 191.75 Packaging Material, Plastic 22.38 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|              |        |                   |               | 1             | Waste Vol     | ume Deta      | il (Cubic me | ters) for TWBIR ID : IN-W360.85 | <u>i2</u> |
|--------------|--------|-------------------|---------------|---------------|---------------|---------------|--------------|---------------------------------|-----------|
|              |        | As-Gen            | erated Vol    | umes          |               |               |              |                                 |           |
|              |        | Stored            |               | Proje         | ected         |               |              |                                 | ;         |
| ContainerT   | уре    | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                   | C         |
| Drum         |        | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2          | 55 Gallon Drum                  |           |
| As-Generated | Stored | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2          | SWB used to overpack 55 gall    |           |

|                   | Final Form Volumes |                   |               |               |               |               |       |  |  |  |  |  |  |
|-------------------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|--|--|--|--|--|
|                   |                    | Stored            |               |               |               |               |       |  |  |  |  |  |  |
| Container         | уре                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |  |  |  |  |
| 55 Gallon Drum    | 55 Gallon Drum     |                   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |  |  |  |  |  |  |
| SWB used to overp | ack 55 gall        | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6   |  |  |  |  |  |  |
| Final Form        | Stored             | 0.8               | Projecte      | ed            | 0.0           | Total         | 0.8   |  |  |  |  |  |  |

TWBIR ID: **IN-W360.852** 

| Waste Stream Description          | There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.   |
|-----------------------------------|---|
| Waste Stream Source Description   | This waste stream was generated at UNK: UNK. The generating process is: UNK   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.  |
| Management Comments               | Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | Original data showed 1 SWB. Int. volume and # stored changed to more accurately reflect the waste volume of 0.5 m3 as follows: .5 m3 / .208 m3 / drum = 2.404 drums, rounded to 3 drums. Tb 3/27/03.  |

TWBIR ID: **IN-W360.912** 

| HQ ID IN-W360 Local ID ID-BTO-012TN | <u> </u>                       | Name MISO<br>or Site BT |       |       | RCES:Cert-repart<br>Form Uncatego |                        |              | Inventory Date 4/30/199 Waste Matrix Code S9000 |
|-------------------------------------|--------------------------------|-------------------------|-------|-------|-----------------------------------|------------------------|--------------|---|
| EPA Codes                           | Waste Material Para            | meters (kg              | /m3)  |       | Final V                           | Vaste Form Descriptors | TRUCON Codes | No Final Form                                   |
| As-Generated                        | Material Parameter             | Average                 | Lower | Upper | Category:                         | Defense TRU Waste      | N/A          | Radionuclides Provided                          |
| N/A                                 | Iron-Base Metal/Alloys         | 0.00                    | 0.00  | 0.00  | Residues:                         | No                     | <u> </u>     |   |
|                                     | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00  | 0.00  | Asbestos:                         |                        | <del>-</del> |   |
|                                     | Other Metal/Alloys             | 0.00                    | 0.00  | 0.00  |                                   |                        | <u> </u>     |   |
|                                     | Other Inorganic Materials      | 0.00                    | 0.00  | 0.00  | PCBs:                             | No                     | <u> </u>     |   |
|                                     | Cellulosics                    | 0.00                    | 0.00  | 0.00  | Source:                           | Source Information Not |              |   |
|                                     | Rubber                         | 0.00                    | 0.00  | 0.00  |                                   | Compiled               |              |   |
|                                     | Plastics                       | 0.00                    | 0.00  | 0.00  |                                   |                        |              |   |
|                                     | Solidified, Inorganic Matrix   | 0.00                    | 0.00  | 0.00  |                                   |                        |              |   |
|                                     | Cement (Solidified)            | 0.00                    | 0.00  | 0.00  |                                   |                        |              |   |
|                                     | Vitrified                      | 0.00                    | 0.00  | 0.00  |                                   |                        |              |   |
|                                     | Solidified, Organic Matrix     | 0.00                    | 0.00  | 0.00  |                                   |                        |              |   |
|                                     | Soils                          | 0.00                    | 0.00  | 0.00  |                                   |                        |              |   |
|                                     | Packaging Material, Steel      | 131.00                  | •     | '•    |                                   |                        |              |   |
|                                     | Packaging Material, Plastic    | 37.00                   |       |       |                                   |                        |              |   |
|                                     | Packaging Material, Lead       | 0.00                    |       |       |                                   |                        |              |   |
|                                     | Packaging Material, Steel Plug | 0.00                    |       |       |                                   |                        |              |   |
|                                     | 1                              |                         |       |       |                                   |                        |              |   |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : IN-W360.912 |               |               |               |               |                    |                   |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|--------------------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               | Final Form Volumes |                   |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               | ected         |               |                    |                   | Stored            |               | Proje         | ected         |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total              | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum                | 0.2   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2                | 55 Gallon Drum    | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored | 0.2   | Project       | ed            | 0.0           | Total         | 0.2                | Final Form Stored | 0.2               | Projecto      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: **IN-W360.912** 

| Waste Stream Description          | There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.   |
|-----------------------------------|---|
| Waste Stream Source Description   | This waste stream was generated at UNK: UNK. The generating process is: UNK   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.  |
| Management Comments               | Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.  |

# TWBIR ID: IN-Z001 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

0.00

| HQ ID<br>Local ID | IN-Z001<br>N/A |                              | Name RFP  |       | RU Waste a | at INEEL (Pre-1970)         |          | Invento | ory Date 9/30/200     |
|-------------------|----------------|------------------------------|---|-------|------------|-----------------------------|----------|---------|-----------------------|
| I.                | A Codes        |                              | Waste Material Parameters (kg/m3) Final Waste Form Descriptors TRUCON Codes |       |            |                             |          |         |                       |
| As-0              | Generated      | Material Parameter           | Average   | Lower | Upper      | Category: Defense TRU Waste | N/A      |         | Typical               |
|                   | N/A            | Iron-Base Metal/Alloys       | 0.00  | 0.00  | 0.00       | Residues: No                | 7        | Isotope | Concentration (Ci/m3) |
|                   |                | Aluminum-Base Metal/Alloys   | 0.00  | 0.00  | 0.00       | Asbestos: Unknown           | ╡        | isotope | (6//113)              |
|                   |                | Other Metal/Alloys           | 0.00  | 0.00  | 0.00       |                             | <b>≓</b> | Am-241  | 3.28E+00              |
|                   |                | Other Inorganic Materials    | 0.00  | 0.00  | 0.00       | PCBs: Unknown               |          | Am-243  | 2.40E-03              |
|                   |                | Cellulosics                  | 0.00  | 0.00  | 0.00       | Source: N/A                 |          | Np-237  | 4.73E-05              |
|                   |                | Rubber                       | 0.00  | 0.00  | 0.00       |                             |          | Pu-238  | 3.06E-01              |
|                   |                | Plastics                     | 0.00  | 0.00  | 0.00       |                             |          | Pu-239  | 1.16E+00              |
|                   |                | Solidified, Inorganic Matrix | 0.00  | 0.00  | 0.00       |                             |          | Pu-240  | 3.06E-01              |
|                   |                | Cement (Solidified)          | 0.00  | 0.00  | 0.00       |                             |          | Pu-241  |                       |
|                   |                | Vitrified                    | 0.00  | 0.00  | 0.00       |                             |          | Pu-242  |                       |
|                   |                | Solidified, Organic Matrix   | 0.00  | 0.00  | 0.00       |                             |          | U-233   | 2.71E-05              |
|                   |                | Soils                        | 0.00  | 0.00  | 0.00       |                             |          | U-234   | 1.21E-03              |
|                   |                | Packaging Material, Steel    | 0.00  |       |            |                             |          | U-235   | 9.93E-05              |
|                   |                | Packaging Material, Plastic  | 0.00  |       |            |                             |          | U-236   | 5.13E-05              |
|                   |                | Packaging Material, Lead     | 0.00  |       |            |                             |          | U-238   | 2.10E-03              |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : IN-Z001 |               |               |               |       |         |                    |        |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|-------|---------|--------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |       |         | Final Form Volumes |        |                   |               |               |               |               |       |
|                     | Stored  |               | Proje         | cted          |       |         |                    |        | Stored            |               | Proje         | ected         |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 |       |         | ContainerType      |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Not contained       | 55800.0   | 0.0           | 0.0           | 0.0           | 0.0   | 55800.0 |                    |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated Stored | 55800.0   | Projecte      | ed            | 0.0           | Total | 55800.0 | Final Form         | Stored | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   |

Packaging Material, Steel Plug

TWBIR ID: IN-Z001

### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

### Waste Stream Description The INEEL will retrieve approximately 28,600 m3 of TRU waste that was buried in the Radioactive Waste Management Complex (RWMC) Subsurface Disposal Area (SDA) up until 1970. Most or all of this TRU waste originated from the Rocky Flats Plant (RFP). It is anticipated that the buried waste will have contaminated a significant quantity of interstitial and underburden soil, approximately 27,200 m3 of which is assumed to qualify as TRU waste itself. This totals up to 55,800 m3 of TRU waste and soil. All of this TRU waste and soil will be retrieved and some of it will be treated, in accordance with the Settlement Agreement of 1995, the Record of Decision in 1998, and the U.S. District Court ruling of April 1, 2003. The treatment methods and the final form of the waste are yet to be determined. For planning purposes, it is assumed that all of this TRU waste and TRU soil (55,800 m3) will have an activity of at least 100 nCi/g and will, therefore, be eligible for disposal/storage at WIPP. For performance assessment purposes, it is suggested that decay be initiated on January 1, 1970. Sr-90 and Cs-137 are present in some of the SDA-buried waste, having come from INEEL on-site facilities. It is not known how much of these radionuclides might be commingled with the RFP TRU waste after retrieval. Based on burial locations, however, which seem to be distinct from RFP burial locations, for the most part, it is assumed that there will be very little commingling and that these radionuclides will not be present in the waste stream in significant quantities. The As-Generated EPA Codes are assumed to be the same as those predicted for the Glovebox Excavator Method Project Heterogeneous Debris. Sources for Profile Data: Holdren, K. Jean, et al. 2002, Ancillary Basis for Risk Analysis (ABRA) of the Subsurface Disposal Area, INEEL/EXT-02-01125, Idaho National Engineering and Environmental Laboratory (INEEL), Idaho, (Table 4-1) Zitnik, James F. et al. 2002, Preliminary Evaluation of Remedial Alternatives for the Subsurface Disposal Area, INEEL/EXT-02-01258, Idaho National Engineering and Environmental Laboratory (INEEL), Idaho Falls, ID. (Figure 3-3) N/A Waste Stream Source Description Current Container Comments N/A EPA Comments N/A Management Comments N/A Acceptance Comments N/A Final Form Comments N/A

#### Annex I TWBIR ID: IN-Z001A TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | N/A<br>New    |                   |               | Stream Na<br>enerator |               | •             | d Irradiated B | •           |            |            |                   |               |               |               | ventory D<br>Matrix C | 9/30/2002<br>ode \$5000 |
|-------------------|---------------|-------------------|---------------|-----------------------|---------------|---------------|----------------|-------------|------------|------------|-------------------|---------------|---------------|---------------|-----------------------|-------------------------|
| EP.               | A Codes       | Wa                | ste Materi    | al Param              | eters (kg/    | m3)           |                | Final V     | Vaste Form | Descripto  | ors Ti            | RUCON Co      | des           | Final F       | Form Rac              | lionuclides             |
| As-G              | Generated     | Material F        | Parameter     | 1                     | Average       | Lower         | Upper          | Category:   | N/A        |            |                   | N/A           |               |               |                       | Typical                 |
|                   | N/A           | Iron-Base N       | /letal/Alloys | 3                     | 0.00          | 0.00          | 0.00           | Residues:   | N/A        |            |                   |               |               | lootor        |                       | ncentration<br>(Ci/m3)  |
|                   |               | Aluminum-Bas      | e Metal/All   | oys                   | 0.00          | 0.00          | 0.00           | Asbestos:   |            |            |                   |               |               | Isotop        | be                    | (Ci/iis)                |
|                   |               | Other Me          | tal/Alloys    |                       | 0.00          | 0.00          | 0.00           |             |            |            |                   |               |               | Ac-22         | 27                    | 7.56E-08                |
|                   |               | Other Inorga      | nic Materia   | ıls                   | 0.00          | 0.00          | 0.00           | PCBs:       | No         |            |                   |               |               | Am-24         | 11                    | 1.38E-01                |
|                   |               | Cellul            | osics         |                       | 0.00          | 0.00          | 0.00           | Source:     | N/A        |            |                   |               |               | Am-24         | 43                    | 7.63E-02                |
|                   |               | Rub               | ber           |                       | 0.00          | 0.00          | 0.00           |             |            |            |                   |               |               | Ве            |                       | 4.52E+00                |
|                   |               | Plas              | stics         |                       | 0.00          | 0.00          | 0.00           |             |            |            |                   |               |               | C-14          | ļ.                    | 3.61E+01                |
|                   |               | Solidified, Inc   | rganic Mat    | rix                   | 0.00          | 0.00          | 0.00           |             |            |            |                   |               |               | CI-36         | 6                     | 3.44E-01                |
|                   |               | Cement (          | Solidified)   |                       | 0.00          | 0.00          | 0.00           |             |            |            |                   |               |               | Cm-24         | 43                    | 3.69E-03                |
|                   |               | Vitri             | fied          |                       | 0.00          | 0.00          | 0.00           |             |            |            |                   |               |               | Cm-24         | 14                    | 1.26E+01                |
|                   |               | Solidified, Or    | ganic Matı    | ix                    | 0.00          | 0.00          | 0.00           |             |            |            |                   |               |               | Cm-24         | 45                    | 3.85E-03                |
|                   |               | So                | ils           |                       | 0.00          | 0.00          | 0.00           |             |            |            |                   |               |               | Cm-24         | 46                    | 6.47E-03                |
|                   |               | Packaging M       | aterial, Ste  | el                    | 0.00          |               |                |             |            |            |                   |               |               | Cm-24         | 17                    | 4.67E-05                |
|                   |               | Packaging Ma      | aterial, Plas | stic                  | 0.00          |               |                |             |            |            |                   |               |               | Cm-24         | 18                    | 9.09E-06                |
|                   |               | Packaging M       | laterial, Lea | ad                    | 0.00          |               |                |             |            |            |                   |               |               | Co-6          | 0                     | 2.23E+03                |
|                   |               | Packaging Mate    | erial, Steel  | Plug                  | 0.00          |               |                |             |            |            |                   |               |               | Cs-13         | 37                    | 2.74E+01                |
|                   |               |                   |               |                       |               |               |                |             |            |            |                   |               | (Ra           | dionuclide    | es contin             | ued next page           |
|                   |               |                   |               |                       | Waste \       | Volume D      | etail (Cubic n | neters) for | TWBIR ID : | : IN-Z001A |                   |               |               |               |                       |                         |
|                   |               | As-Gen            | erated Vo     | lumes                 |               |               |                |             |            |            | Final F           | orm Volur     | nes           |               |                       |                         |
|                   |               | Stored            |               | Proj                  | jected        |               |                |             |            |            | Stored            |               | Proje         | cted          |                       |                         |
|                   | ContainerType | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016         | 2017-<br>2026 | 2027-<br>2036 | Total          | c           | ontainerTy | /pe        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036         | Total                   |
| Not con           | ntained       | 2.6               | 0.0           | 0.0                   | 0.0           | 0.0           | 2.6            |             |            |            | 0.0               | 0.0           | 0.0           | 0.0           | 0.0                   | 0.0                     |
| As-Gen            | erated Sto    | ored 2.6          | Projecte      | ed                    | 0.0           | Total         | 2.6            | Final Fo    | m          | Stored     | 0.0               | Projecte      | d l           | 0.0           | Total                 | 0.0                     |

#### Annex I TWBIR ID: IN-Z001A TRU WASTE BASELINE INVENTORY WASTE PROFILE

#### **Final Form Radionuclides** (Continued)

#### Typical Concentration (Ci/m3) Isotope 2.34E-01 Eu-152 2.31E+01 Eu-154 H-3 1.04E+06 I-129 3.80E-02 Nb-94 8.16E-02 Ni-59 5.64E-01 Ni-63 1.17E+02 Np-237 4.57E-03 Pa-231 1.24E-05 Pb-210 2.97E-10 Pu-238 1.49E-01

Pu-239

Pu-240

Pu-241

#### **Final Form Radionuclides** (Continued)

| •       | •                                   |
|---------|-------------------------------------|
| Isotope | Typical<br>Concentration<br>(Ci/m3) |
| Pu-242  | 2.60E-01                            |
| Pu-244  | 3.78E-05                            |
| Ra-226  | 5.55E-11                            |
| Ra-228  | 2.82E-08                            |
| Sr-90   | 7.55E+00                            |
| Tc-99   | 1.17E-01                            |
| Th-228  | 2.01E-04                            |
| Th-229  | 7.60E-07                            |
| Th-230  | 3.68E-07                            |
| U-232   | 2.98E-04                            |
| U-233   | 8.61E-03                            |
| U-234   | 5.06E-03                            |
| U-235   | 1.50E-03                            |
| U-236   | 1.97E-02                            |

#### **Final Form Radionuclides** (Continued)

| Isotope | Typical<br>Concentration<br>(Ci/m3) |
|---------|-------------------------------------|
| U-238   | 1.67E+01                            |

5.06E-01

2.45E-01

1.09E+01

Waste Stream Description The INEEL disposed of 2.562 m3 of highly active irradiated beryllium reflector waste in the Radioactive Waste Management Complex (RWMC) Subsurface Disposal Area (SDA) between 1970 and 1993. It originated from the Advanced Test Reactor, the Engineering Test Reactor, and the Materials Test Reactor at INEEL and was buried in trenches and soil vault rows at the SDA. This TRU waste will be retrieved in accordance with the Settlement Agreement of 1995, the Record of Decision in 1998, and the U.S. District Court ruling of April 1, 2003. The treatment methods, if any, and the final form of the waste are yet to be determined. For planning purposes, it is assumed that the final form of this TRU waste (2.562 m3) will have an activity of at least 100 nCi/g and will, therefore, be eligible for disposal/storage at WIPP, from a minimum concentration requirement. (In fact, the activity is high enough that it is expected to require remote handling.) The volume of material shown in this profile represents only the waste. It does not include any contaminated soil that may meet the 100 nCi/g criterion, making it eligible for disposal/storage at WIPP also. Since no soil is included in the volume, there is also no dilution of high activity concentrations. For performance assessment purposes, it is suggested that decay be initiated on January 1, 1994.

Source for Profile Data:

Mullen, Carlan K. et al, 2003, Beryllium Waste Transuranic Inventory in the Subsurface Disposal Area, Operable Unit 7-13/14, INEEL/EXT-01-01678, Rev 2, Idaho National Engineering and Environmental Laboratory (INEEL), Idaho, (Tables 1-1, 7-15, 7-23, and 7-24.)

Waste Stream Source Description N/A

Current Container Comments N/A

EPA Comments N/A

# TWBIR ID: IN-Z001A Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| Management Comments | N/A |
|---------------------|-----|
| Acceptance Comments | N/A |
| Final Form Comments | N/A |

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004 THIS PAGE INTENTIONALLY LEFT BLANK

#### TWBIR ID: KN-B234PCBTRU

| HQ ID<br>Local ID       | N/A<br>B234PCBTRU          | · ——                           | Name Build<br>or Site KN |       |         | /aste<br>Form Heteroge | neous Debris           |              | Invente<br>Waste Mat | ory Date 9/30/2003<br>rix Code \$5400 |
|-------------------------|----------------------------|--------------------------------|--------------------------|-------|---------|------------------------|------------------------|--------------|----------------------|---------------------------------------|
| EF                      | A Codes                    | Waste Material Para            |                          |       |         | Final V                | Vaste Form Descriptors | TRUCON Codes |                      | n Radionuclides                       |
| As-                     | Generated                  | Material Parameter             | Average                  | Lower | Upper   | Category:              | Defense TRU Waste      | N/A          |                      | Typical                               |
|                         | N/A                        | Iron-Base Metal/Alloys         | 10.70                    | 0.00  | 0.00    | Residues:              | No                     | <u>=</u>     | lastana              | Concentration                         |
|                         |                            | Aluminum-Base Metal/Alloys     | 0.00                     | 0.00  | 0.00    |                        |                        | =            | Isotope              | (Ci/m3)                               |
|                         |                            | Other Metal/Alloys             | 0.00                     | 0.00  | 0.00    | Asbestos:              |                        | <b>⊒</b>     | Am-241               | 1.58E-02                              |
|                         |                            | Other Inorganic Materials      | 0.00                     | 0.00  | 0.00    | PCBs:                  | Yes                    |              | Pu-238               | 2.68E-03                              |
| EPA Codes  As-Generated | Cellulosics                | 2.10                           | 0.00                     | 0.00  | Source: | Remediation/D&D Waste  | $\neg$                 | Pu-239       | 3.18E-02             |                                       |
|                         |                            | Rubber                         | 21.50                    | 0.00  | 0.00    |                        |                        | <b>_</b>     | Pu-240               | 1.07E-02                              |
|                         |                            | Plastics                       | 2.20                     | 0.00  | 0.00    |                        |                        |              | Pu-241               | 5.63E-02                              |
|                         |                            | Solidified, Inorganic Matrix   | 0.00                     | 0.00  | 0.00    |                        |                        |              | Pu-242               | 1.15E-06                              |
|                         |                            | Cement (Solidified)            | 0.00                     | 0.00  | 0.00    |                        |                        |              | Tc-99                | 7.48E-05                              |
|                         |                            | Vitrified                      | 0.00                     | 0.00  | 0.00    |                        |                        |              | Th-228               | 5.05E-07                              |
|                         | Solidified, Organic Matrix | 0.00                           | 0.00                     | 0.00  |         |                        |                        | Th-232       | 8.29E-08             |                                       |
|                         |                            | Soils                          | 0.00                     | 0.00  | 0.00    |                        |                        |              | U-232                | 5.05E-07                              |
|                         |                            | Packaging Material, Steel      | 0.00                     | •     |         |                        |                        |              | U-233                | 4.55E-05                              |
|                         |                            | Packaging Material, Plastic    | 0.00                     |       |         |                        |                        |              | U-234                | 3.04E-06                              |
|                         |                            | Packaging Material, Lead       | 0.00                     |       |         |                        |                        |              | U-235                | 1.45E-07                              |
|                         |                            | Packaging Material, Steel Plug | 0.00                     |       |         |                        |                        |              | U-238                | 1.66E-06                              |

|                    |                   |               | Wa            | ste Volun     | ne Detail (0  | Cubic meter | s) for TWBIR ID : KN-B234PCB | TRU               |               |               |               |               |       |
|--------------------|-------------------|---------------|---------------|---------------|---------------|-------------|------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                    | As-Gen            | erated Vo     | lumes         |               |               |             |                              | Final F           | orm Volu      | mes           |               |               |       |
|                    | Stored            | Projected     |               |               |               |             |                              | Stored            |               | Proje         | ected         |               |       |
| ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total       | ContainerType                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon   | 0.4               | 0.2           | 0.0           | 0.0           | 0.0           | 0.6         | 55 Gallon Drum               | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6   |
| As-Generated Store | 0.4               | Projecte      | ed            | 0.2           | Total         | 0.6         | Final Form Stored            | 0.4               | Projecte      | ed            | 0.2           | Total         | 0.6   |

TWBIR ID: KN-B234PCBTRU

| Waste Stream Description          | This waste is non-hazardous debris and soil 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. |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | All containerized waste requires repackaging for certificaton & shipment to WIPP.  |
| EPA Comments                      | PCBs - TSCA regulated waste stream   |
| Management Comments               | N/A  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

### TWBIR ID: **LA-OS-00-02**

| HQ ID<br>Local ID | N/A<br>OS-00-02 | Handling CH Stream Waste Type TRU Generate |            |       |       | determination of eligibility for WIPP disposal.  Form Uncategorized Metal |              | Invento<br>Waste Matr | ory Date 9/30/2002 |
|-------------------|-----------------|--|------------|-------|-------|---|--------------|-----------------------|--------------------|
| EPA (             | Codes           | Waste Material Para                        | meters (kg | /m3)  |       | Final Waste Form Descriptors  | TRUCON Codes | Final Form            | Radionuclides      |
| As-Gei            | nerated         | Material Parameter                         | Average    | Lower | Upper | Category: Non-defense TRU Waste   | N/A          |                       | Typical            |
| N                 | I/A             | Iron-Base Metal/Alloys                     | 0.00       | 0.00  | 0.00  | Residues: No  |              | lastana               | Concentration      |
|                   | _               | Aluminum-Base Metal/Alloys                 | 0.00       | 0.00  | 0.00  |   | ╡            | Isotope               | (Ci/m3)            |
|                   |                 | Other Metal/Alloys                         | 0.00       | 0.00  | 0.00  | Asbestos: Yes   | <b>_</b>     | Pu-238                | 2.97E+00           |
|                   |                 | Other Inorganic Materials                  | 0.00       | 0.00  | 0.00  | PCBs: No  |              |                       |                    |
|                   |                 | Cellulosics                                | 0.00       | 0.00  | 0.00  | Source: N/A   |              |                       |                    |
|                   |                 | Rubber                                     | 0.00       | 0.00  | 0.00  | <u> </u>  | _            |                       |                    |
|                   |                 | Plastics                                   | 0.00       | 0.00  | 0.00  |   |              |                       |                    |
|                   |                 | Solidified, Inorganic Matrix               | 0.00       | 0.00  | 0.00  |   |              |                       |                    |
|                   |                 | Cement (Solidified)                        | 0.00       | 0.00  | 0.00  |   |              |                       |                    |
|                   |                 | Vitrified                                  | 0.00       | 0.00  | 0.00  |   |              |                       |                    |
|                   |                 | Solidified, Organic Matrix                 | 0.00       | 0.00  | 0.00  |   |              |                       |                    |
|                   |                 | Soils                                      | 0.00       | 0.00  | 0.00  |   |              |                       |                    |
|                   |                 | Packaging Material, Steel                  | 0.00       |       |       |   |              |                       |                    |
|                   |                 | Packaging Material, Plastic                | 0.00       |       |       |   |              |                       |                    |
|                   |                 | Packaging Material, Lead                   | 0.00       |       |       |   |              |                       |                    |
|                   |                 | Packaging Material, Steel Plug             | 0.00       |       |       |   |              |                       |                    |

|               | Waste Volume Detail (Cubic meters) for TWBIR ID : LA-OS-00-02 |                   |               |               |               |               |       |                   |                   |               |               |               |               |       |
|---------------|---|-------------------|---------------|---------------|---------------|---------------|-------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|               |   | As-Gen            | erated Vo     | lumes         |               |               |       |                   | Final F           | orm Volu      | ımes          |               |               |       |
|               | Stored Projected  |                   |               |               |               |               |       | Stored            |                   | Proje         | ected         |               |               |       |
| ContainerType |   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| POC           |   | 0.0               | 67.4          | 89.9          | 0.0           | 0.0           | 157.2 | POC               | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 157.2 |
| As-Generated  | Stored  | 0.0               | Projecte      | ed            | 157.2         | Total         | 157.2 | Final Form Stored | 0.0               | Projecte      | ed            | 157.2         | Total         | 157.2 |

TWBIR ID: **LA-OS-00-02** 

| Waste Stream Description          | Not provided   |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | N/A  |
| Management Comments               | Former WS IDs: LAT009, also containes containers not previously associated with an identified BIR WS |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

| HQ ID<br>Local ID | N/A<br>TA-00-01 | Handling CH Stream Waste Type MTRU Generate | -          |               | iting assign | nment to waste streams  Form N/A |     | Invento<br>Waste Matr | ory Date 9/30/200<br>rix Code \$9000 |
|-------------------|-----------------|---|------------|---------------|--------------|----------------------------------|-----|-----------------------|--------------------------------------|
| EP.               | A Codes         | Waste Material Para                         | Final Form | Radionuclides |              |                                  |     |                       |                                      |
| As-G              | Senerated       | Material Parameter                          | Average    | Lower         | Upper        | Category: Defense TRU Waste      | N/A |                       | Typical                              |
|                   | N/A             | Iron-Base Metal/Alloys                      | 20.51      | 0.18          | 188.42       | Residues: No                     |     | lastana               | Concentration                        |
|                   | _               | Aluminum-Base Metal/Alloys                  | 2.80       | 0.18          | 33.06        | Asbestos: Yes                    | =   | Isotope               | (Ci/m3)                              |
|                   |                 | Other Metal/Alloys                          | 2.28       | 0.18          | 27.86        |                                  |     | Am-241                | 1.88E-04                             |
|                   |                 | Other Inorganic Materials                   | 102.54     | 0.18          | 226.84       | PCBs: No                         |     | Cm-244                | 2.88E-02                             |
|                   |                 | Cellulosics                                 | 2.22       | 0.18          | 10.08        | Source: N/A                      |     | Co-60                 | 5.33E-03                             |
|                   |                 | Rubber                                      | 1.16       | 0.18          | 5.18         |                                  |     | Pu-238                | 3.38E-02                             |
|                   |                 | Plastics                                    | 4.59       | 0.18          | 67.45        |                                  |     | Pu-239                | 3.98E-03                             |
|                   |                 | Solidified, Inorganic Matrix                | 0.18       | 0.18          | 0.18         |                                  |     | Pu-240                | 1.20E-04                             |
|                   |                 | Cement (Solidified)                         | 0.00       | 0.00          | 0.00         |                                  |     | Pu-241                | 2.44E-03                             |
|                   |                 | Vitrified                                   | 0.00       | 0.00          | 0.00         |                                  |     | Pu-242                | 1.46E-08                             |
|                   |                 | Solidified, Organic Matrix                  | 1.09       | 0.18          | 16.02        |                                  |     | Ra-226                | 1.61E-04                             |
|                   |                 | Soils                                       | 0.18       | 0.18          | 0.18         |                                  |     | U-235                 | 2.12E-10                             |
|                   |                 | Packaging Material, Steel                   | 131.00     | <u>u</u> .    | <u>.</u>     |                                  |     | 1                     | •                                    |
|                   |                 | Packaging Material, Plastic                 | 37.00      |               |              |                                  |     |                       |                                      |
|                   |                 | Packaging Material, Lead                    | 0.00       |               |              |                                  |     |                       |                                      |
|                   |                 | Packaging Material, Steel Plug              | 0.00       |               |              |                                  |     |                       |                                      |

|                     |                                  |               | \             | Naste Vol     | ume Deta      | il (Cubic me  | ters) for TWBIR ID : LA-TA-00- | 01                |               |               |               |               |       |
|---------------------|----------------------------------|---------------|---------------|---------------|---------------|---------------|--------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen                           | erated Vo     | lumes         |               |               |               | Final Form Volumes             |                   |               |               |               |               |       |
|                     | Stored                           |               | Proje         | ected         |               |               |                                | Stored            |               | Proje         | ected         |               |       |
| ContainerType       | End of<br>CY 2001                | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total         | ContainerType                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 8.9                              | 0.0           | 0.0           | 0.0           | 0.0           | 8.9           | 55 Gallon Drum                 | 8.9               | 0.0           | 0.0           | 0.0           | 0.0           | 8.9   |
| 85 gal              | 1.0                              | 0.0           | 0.0           | 0.0           | 0.0           | 1.0           | 85 gal                         | 1.0               | 0.0           | 0.0           | 0.0           | 0.0           | 1.0   |
| Other (large)       | 63.0                             | 0.0           | 0.0           | 0.0           | 0.0           | 63.0          | Other (large)                  | 63.0              | 0.0           | 0.0           | 0.0           | 0.0           | 63.0  |
| Other (medium)      | 4.0                              | 0.0           | 0.0           | 0.0           | 0.0           | 4.0           | Other (medium)                 | 4.0               | 0.0           | 0.0           | 0.0           | 0.0           | 4.0   |
| Other (small)       | ther (small) 0.0 0.0 0.0 0.0 0.0 |               |               |               | 0.0           | Other (small) | 0.0                            | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           |       |
| As-Generated Stored | 76.9                             | Projecte      | ed            | 0.0           | Total         | 76.9          | Final Form Stored              | 76.9              | Projecte      | ed            | 0.0           | Total         | 76.9  |

TWBIR ID: **LA-TA-00-01** 

| Waste Stream Description          | Containers waiting assignment to waste streams                            |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | assumed mixed but codes unknown   |
| Management Comments               | Former WS IDs: LAM003, LAM009, LAMR01, LAT001, LAT005, LAT008, and LAT009 |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | N/A<br>TA-00-02      | Handling (Waste Type M |               | Stream Na<br>enerator S |               |               | ng assignme |              | streams              |                   |               |               | _             | ventory [<br>Matrix C | Oate 9/30/2000<br>ode \$9000 |
|-------------------|----------------------|------------------------|---------------|-------------------------|---------------|---------------|-------------|--------------|----------------------|-------------------|---------------|---------------|---------------|-----------------------|------------------------------|
| EP                | A Codes              | Wa                     | ste Materi    | al Parame               | eters (kg/ı   | m3)           |             | Final        | Waste Form Descripto | ors T             | RUCON C       | odes          | Final         | Form Ra               | dionuclides                  |
| As-0              | Generated            | Material F             | Parameter     | Α                       | verage        | Lower         | Upper       | Category     | Defense TRU Waste    |                   | N/A           |               |               |                       | Typical                      |
|                   | N/A                  | Iron-Base N            | /letal/Alloys | 3                       | 34.38         | 0.18          | 102.79      | Residues     | No                   |                   |               |               | 1             |                       | ncentration                  |
|                   |                      | Aluminum-Bas           | e Metal/All   | oys                     | 0.18          | 0.18          | 0.18        |              |                      |                   |               |               | Isoto         | pe                    | (Ci/m3)                      |
|                   |                      | Other Metal/Alloys     |               |                         | 0.18          | 0.18          | 0.18        | Asbestos     |                      |                   |               |               | Am-2          | 41                    | 2.16E-04                     |
|                   |                      | Other Inorga           | nic Materia   | ıls                     | 8.85          | 0.18          | 26.20       | PCBs         | : No                 |                   |               |               | Am-2          | 43                    | 8.40E-09                     |
|                   |                      | Cellul                 | osics         |                         | 13.01         | 0.18          | 31.70       | Source       | N/A                  |                   |               |               | Cf-2          | 51                    | 1.39E-07                     |
|                   |                      | Rub                    | ber           |                         | 0.18          | 0.18          | 0.18        |              | L                    |                   |               |               | Cs-1          | 37                    | 1.45E-09                     |
|                   |                      | Plas                   | stics         |                         | 14.49         | 0.18          | 43.11       |              |                      |                   |               |               | Np-2          | 37                    | 2.39E-08                     |
|                   |                      | Solidified, Inc        | rganic Mat    | rix                     | 4.06          | 0.18          | 11.81       |              |                      |                   |               |               | Pb-2          | 10                    | 1.54E-08                     |
|                   |                      | Cement (               | Solidified)   |                         | 0.00          | 0.00          | 0.00        |              |                      |                   |               |               | Pu-2          | 38                    | 1.89E-02                     |
|                   |                      | Vitri                  |               |                         | 0.00          | 0.00          | 0.00        |              |                      |                   |               |               | Pu-2          | 39                    | 3.05E-03                     |
|                   |                      | Solidified, Or         | ganic Matr    | ix                      | 0.18          | 0.18          | 0.18        |              |                      |                   |               |               | Pu-2          | 40                    | 5.09E-04                     |
|                   |                      | So                     | oils          |                         | 17.62         | 0.18          | 52.51       |              |                      |                   |               |               | Pu-2          | 41                    | 8.15E-03                     |
|                   |                      | Packaging M            | aterial, Ste  | eel                     | 0.78          | ı             |             |              |                      |                   |               |               | Pu-2          | 42                    | 3.87E-08                     |
|                   |                      | Packaging Ma           | aterial, Plas | stic                    | 1.68          |               |             |              |                      |                   |               |               | Pu-2          | 44                    | 1.51E-08                     |
|                   |                      | Packaging M            | laterial, Lea | ad                      | 0.00          |               |             |              |                      |                   |               |               | Ra-2          | 26                    | 1.20E-10                     |
|                   |                      | Packaging Mate         | erial, Steel  | Plug                    | 0.00          |               |             |              |                      |                   |               |               | U-23          | 33                    | 4.52E-10                     |
|                   |                      |                        |               |                         |               |               |             |              |                      |                   |               | (Ra           | dionuclid     | es contir             | ued next pag                 |
|                   |                      |                        |               | 1                       | Waste Vo      | lume Deta     | il (Cubic m | eters) for T | WBIR ID : LA-TA-00-0 | )2                |               |               |               |                       |                              |
|                   | As-Generated Volumes |                        |               |                         |               |               | ,           |              |                      |                   | Form Volu     | ımes          |               |                       |                              |
|                   |                      | Stored                 |               | Proje                   | ected         |               |             |              |                      | Stored            |               | Proie         | ected         |                       |                              |
| 30 gal            | ContainerType        | End of CY 2001         | 2002-<br>2006 | 2007-<br>2016           | 2017-<br>2026 | 2027-<br>2036 | Total       | (            | ContainerType        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036         | Total                        |

0.0 55 Gallon Drum 8.1 0.0 0.0 0.0 8.1 0.0 0.0 0.0 FRP Box 65.2 0.0 65.2 26.0 0.0 0.0 0.0 0.0 26.0 Other (large) Other (small) 0.1 0.0 0.0 0.0 0.0 0.1 RH Can (2 gal) 0.0 0.0 0.0 0.0 0.0 0.0 5.7 0.0 5.7 Standard Waste Box 0.0 0.0 0.0 0.0 Stored 105.2 Projected Total 105.2 **As-Generated** 

|                   |        | Stored            |               | Proje         | ected         |               |       |
|-------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
| ContainerType     |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
|                   |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| 30 gal            |        | 0.1               | 0.0           | 0.0           | 0.0           | 0.0           | 0.1   |
| 55 Gallon Drum    |        | 8.1               | 0.0           | 0.0           | 0.0           | 0.0           | 8.1   |
| FRP Box           |        | 65.2              | 0.0           | 0.0           | 0.0           | 0.0           | 65.2  |
| Other (large)     |        | 26.0              | 0.0           | 0.0           | 0.0           | 0.0           | 26.0  |
| Other (small)     |        | 0.1               | 0.0           | 0.0           | 0.0           | 0.0           | 0.1   |
| RH Can (2 gal)    |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| tandard Waste Box |        | 5.7               | 0.0           | 0.0           | 0.0           | 0.0           | 5.7   |
| Final Form        | Stored | 105.2             | Projecte      | d             | 0.0           | Total         | 105.2 |

### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

### Final Form Radionuclides (Continued)

| Isotope | Typical<br>Concentration<br>(Ci/m3) |
|---------|-------------------------------------|
| U-234   | 1.17E-08                            |
| U-235   | 1.07E-08                            |
| U-236   | 4.60E-11                            |
| U-238   | 3.86E-08                            |

| Waste Stream Description          | Containers waiting assignment to waste streams   |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | assumed mixed but codes unknown  |
| Management Comments               | Former WS IDs: LAM001, LAM005, LAM009, LAT004, LAT005, LAT006, LAT009, and LATR07; also containers not previously associated with an identified BIR WS |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

| HQ ID<br>Local ID | N/A<br>TA-00-03 |                                | aste Type MTRU Generator Site LA Final Waste Form N/A |       |        |           |                       |              |            |                 |  |
|-------------------|-----------------|--------------------------------|---|-------|--------|-----------|-----------------------|--------------|------------|-----------------|--|
| EP.               | A Codes         | Waste Material Para            | meters (kg  | /m3)  |        | Final W   | aste Form Descriptors | TRUCON Codes | Final Form | n Radionuclides |  |
| As-G              | Senerated       | Material Parameter             | Average   | Lower | Upper  | Category: | Defense TRU Waste     | N/A          |            | Typical         |  |
|                   | N/A             | Iron-Base Metal/Alloys         | 38.00   | 0.67  | 159.23 | Residues: | No                    |              | lastana    | Concentration   |  |
|                   |                 | Aluminum-Base Metal/Alloys     | 7.00  | 0.18  | 28.73  | Asbestos: |                       | ╡            | Isotope    | (Ci/m3)         |  |
|                   |                 | Other Metal/Alloys             | 5.42  | 0.18  | 21.59  |           |                       |              | Am-241     | 4.66E-03        |  |
|                   |                 | Other Inorganic Materials      | 4.47  | 0.67  | 20.22  | PCBs:     | No                    |              | Cm-244     | 2.75E-01        |  |
|                   |                 | Cellulosics                    |   | 0.18  | 23.20  | Source:   | N/A                   |              | Pu-238     | 2.55E-01        |  |
|                   |                 | Rubber                         | 4.69  | 0.18  | 10.71  | -         |                       | _            | Pu-239     | 5.61E-02        |  |
|                   |                 | Plastics                       | 15.92   | 0.18  | 37.98  |           |                       |              | Pu-240     | 1.21E-02        |  |
|                   |                 | Solidified, Inorganic Matrix   | 11.41   | 0.18  | 94.78  |           |                       |              | Pu-241     | 3.17E-01        |  |
|                   |                 | Cement (Solidified)            | 0.00  | 0.00  | 0.00   |           |                       |              | Pu-242     | 2.78E-06        |  |
|                   |                 | Vitrified                      | 0.00  | 0.00  | 0.00   |           |                       |              |            |                 |  |
|                   |                 | Solidified, Organic Matrix     | 56.75   | 0.18  | 459.68 |           |                       |              |            |                 |  |
|                   |                 | Soils                          | 7.85  | 0.18  | 67.75  |           |                       |              |            |                 |  |
|                   |                 | Packaging Material, Steel      | 4.83  |       | •      |           |                       |              |            |                 |  |
|                   |                 | Packaging Material, Plastic    | 2.92  |       |        |           |                       |              |            |                 |  |
|                   |                 | Packaging Material, Lead       | 0.00  |       |        |           |                       |              |            |                 |  |
|                   |                 | Packaging Material, Steel Plug | 0.00  |       |        |           |                       |              |            |                 |  |

|                |        | As-Gon            | erated Vo     |               | Waste Vol     | ume Deta      | il (Cubic me | ters) for TWBIR ID : LA-TA-0 | 00-03 |
|----------------|--------|-------------------|---------------|---------------|---------------|---------------|--------------|------------------------------|-------|
|                |        | Stored            | erated voi    | Proje         | ected         |               |              |                              |       |
| ContainerType  |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                |       |
| 55 Gallon Drum |        | 7.1               | 0.0           | 0.0           | 0.0           | 0.0           | 7.1          |                              |       |
| 85 Gal         |        | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6          | 55 Gallon Drum               |       |
| As-Generated   | Stored | 7.7               | Projecte      | ed            | 0.0           | Total         | 7.7          | 85 Gal                       |       |

|                | Final Form Volumes |                   |               |               |               |               |       |  |  |  |
|----------------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|--|--|
|                |                    | Stored            |               | Projected     |               |               |       |  |  |  |
| ContainerType  |                    | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |  |
|                |                    | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |  |  |  |
| 55 Gallon Drum |                    | 7.1               | 0.0           | 0.0           | 0.0           | 0.0           | 7.1   |  |  |  |
| 85 Gal         | 0.6                | 0.0               | 0.0           | 0.0           | 0.0           | 0.6           |       |  |  |  |
| Final Form     | Stored             | 7.7               | Projecte      | ed            | 0.0           | Total         | 7.7   |  |  |  |

TWBIR ID: **LA-TA-00-03** 

| Waste Stream Description          | Containers waiting assignment to waste streams |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | assumed mixed but codes unknown                |
| Management Comments               | Former WS ID: LAM009                           |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

| HQ ID<br>Local ID | N/A<br>TA-00-04       | <u> </u>                       | Name Cont<br>or Site LA |       |       | nment to waste streams  Form N/A |              | Invento Waste Matr       | ory Date 9/30/200<br>rix Code S9000 |  |
|-------------------|-----------------------|--------------------------------|-------------------------|-------|-------|----------------------------------|--------------|--------------------------|-------------------------------------|--|
| EP                | A Codes               | Waste Material Para            | meters (kg              | /m3)  |       | Final Waste Form Descriptors     | TRUCON Codes | Final Form Radionuclides |                                     |  |
| As-C              | Generated             | Material Parameter             | Average                 | Lower | Upper | Category: Defense TRU Waste      | N/A          |                          | Typical                             |  |
|                   | N/A                   | Iron-Base Metal/Alloys         | 0.00                    | 0.00  | 0.00  | Residues: No                     |              | lastone                  | Concentration                       |  |
|                   | _                     | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00  | 0.00  | Asbestos: Yes                    | =            | Isotope                  | (Ci/m3)                             |  |
|                   |                       | Other Metal/Alloys             | 0.00                    | 0.00  | 0.00  |                                  | <u>_</u>     | Am-241                   | 1.48E-06                            |  |
|                   |                       | Other Inorganic Materials      | 0.00                    | 0.00  | 0.00  | PCBs: No                         |              | Pu-238                   | 1.01E-02                            |  |
|                   | Cellulosics<br>Rubber |                                | 0.00                    | 0.00  | 0.00  | Source: N/A                      |              | Pu-239                   | 1.88E-03                            |  |
|                   |                       |                                | 0.00                    | 0.00  | 0.00  |                                  | <del></del>  | Pu-240                   | 4.12E-04                            |  |
|                   |                       | Plastics                       | 0.00                    | 0.00  | 0.00  |                                  |              | Pu-241                   | 8.64E-03                            |  |
|                   |                       | Solidified, Inorganic Matrix   | 0.00                    | 0.00  | 0.00  |                                  |              | Pu-242                   | 6.31E-08                            |  |
|                   |                       | Cement (Solidified)            | 0.00                    | 0.00  | 0.00  |                                  |              | U-235                    | 5.79E-11                            |  |
|                   |                       | Vitrified                      | 0.00                    | 0.00  | 0.00  |                                  |              |                          |                                     |  |
|                   |                       | Solidified, Organic Matrix     | 0.00                    | 0.00  | 0.00  |                                  |              |                          |                                     |  |
|                   |                       | Soils                          | 0.00                    | 0.00  | 0.00  |                                  |              |                          |                                     |  |
|                   |                       | Packaging Material, Steel      | 0.00                    | · •   | •     |                                  |              |                          |                                     |  |
|                   |                       | Packaging Material, Plastic    | 0.00                    |       |       |                                  |              |                          |                                     |  |
|                   |                       | Packaging Material, Lead       | 0.00                    |       |       |                                  |              |                          |                                     |  |
|                   |                       | Packaging Material, Steel Plug | 0.00                    |       |       |                                  |              |                          |                                     |  |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-00-04 |           |               |               |               |       |               |                    |                   |                         |       |               |               |       |  |
|---------------------|---|-----------|---------------|---------------|---------------|-------|---------------|--------------------|-------------------|-------------------------|-------|---------------|---------------|-------|--|
|                     | As-Gen  | erated Vo | lumes         |               |               |       |               | Final Form Volumes |                   |                         |       |               |               |       |  |
|                     | Stored  | Projected |               |               |               |       |               |                    | Stored            |                         | Proje | ected         |               |       |  |
| ContainerType       | ContainerType End of CY 2001 200                              |           | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType |                    | End of<br>CY 2001 | 2002- 2007<br>2006 2016 |       | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| Crate               | 36.1  | 0.0       | 0.0           | 0.0           | 0.0           | 36.1  | Crate         |                    | 36.1              | 0.0                     | 0.0   | 0.0           | 0.0           | 36.1  |  |
| FRP Box             | 154.0   | 0.0       | 0.0           | 0.0           | 0.0           | 154.0 | FRP Box       |                    | 154.0             | 0.0                     | 0.0   | 0.0           | 0.0           | 154.0 |  |
| Other (large)       | 22.9  | 0.0       | 0.0           | 0.0           | 0.0           | 22.9  | Other (large) |                    | 22.9              | 0.0                     | 0.0   | 0.0           | 0.0           | 22.9  |  |
| As-Generated Stored | 213.0   | Projecte  | ed            | 0.0           | Total         | 213.0 | Final Form    | Stored             | 213.0             | Projecte                | ed    | 0.0           | Total         | 213.0 |  |

TWBIR ID: **LA-TA-00-04** 

| Waste Stream Description          | Containers waiting assignment to waste streams             |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | assumed mixed but codes unknown                            |
| Management Comments               | Former WS IDs: LAM001, LAM005, LAM009, LAT005, and LAT009. |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

## Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID N/A Local ID TA-00-05 |                                | Name Cont   |        | iting assigr | ment to waste streams  orm N/A |              | Invento<br>Waste Matr | ory Date 9/30/200 S9000 |  |  |
|-----------------------------|--------------------------------|-------------|--------|--------------|--------------------------------|--------------|-----------------------|-------------------------|--|--|
| EPA Codes                   | Waste Material Para            | ameters (kg | /m3)   |              | Final Waste Form Descriptors   | TRUCON Codes | Final Form Radionucli |                         |  |  |
| As-Generated                | Material Parameter             | Average     | Lower  | Upper        | Category: Defense TRU Waste    | N/A          |                       | Typical                 |  |  |
| N/A                         | Iron-Base Metal/Alloys         | 0.18        | 0.18   | 0.18         | Residues: No                   | =            | lastana               | Concentration           |  |  |
|                             | Aluminum-Base Metal/Alloys     | 0.18        | 0.18   | 0.18         |                                | =            | Isotope               | (Ci/m3)                 |  |  |
|                             | Other Metal/Alloys             | 0.18        | 0.18   | 0.18         | Asbestos: Yes                  | <u> </u>     | Am-241                | 3.18E-03                |  |  |
|                             | Other Inorganic Materials      | 0.18        | 0.18   | 0.18         | PCBs: No                       |              | Pu-238                | 2.72E-03                |  |  |
|                             | Cellulosics                    | 0.18        | 0.18   | 0.18         | Source: N/A                    |              | Pu-239                | 7.35E-04                |  |  |
|                             | Rubber                         |             | 0.18   | 0.18         |                                |              | Pu-240                | 1.57E-04                |  |  |
|                             | Plastics                       | 0.78        | 0.72   | 0.84         |                                |              | Pu-241                | 2.41E-03                |  |  |
|                             | Solidified, Inorganic Matrix   | 77.74       | 69.92  | 85.56        |                                |              | Pu-242                | 9.87E-09                |  |  |
|                             | Cement (Solidified)            | 0.00        | 0.00   | 0.00         |                                |              | U-234                 | 1.85E-08                |  |  |
|                             | Vitrified                      | 0.00        | 0.00   | 0.00         |                                |              | U-235                 | 9.11E-10                |  |  |
|                             | Solidified, Organic Matrix     | 377.46      | 333.95 | 420.96       |                                |              | U-238                 | 1.73E-08                |  |  |
|                             | Soils                          | 53.09       | 45.01  | 61.16        |                                |              |                       | •                       |  |  |
|                             | Packaging Material, Steel      | 0.18        | •      | <u> </u>     |                                |              |                       |                         |  |  |
|                             | Packaging Material, Plastic    | 1.47        |        |              |                                |              |                       |                         |  |  |
|                             | Packaging Material, Lead       | 0.00        |        |              |                                |              |                       |                         |  |  |
|                             | Packaging Material, Steel Plug | 0.00        |        |              |                                |              |                       |                         |  |  |

|                                       |  | As-Gone           | orated Vo     |               | waste voi     | ume Deta      | ii (Cubic me | ters) for TWBIR ID : LA-TA-0<br>T |                   | Form Volu                            | mas           |               |               |
|---------------------------------------|--|-------------------|---------------|---------------|---------------|---------------|--------------|-----------------------------------|-------------------|--------------------------------------|---------------|---------------|---------------|
| As-Generated Volumes Stored Projected |  |                   |               |               |               |               |              |                                   | Stored            | Final Form Volumes  Stored Projected |               |               | ed            |
| ContainerType                         |  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                     | End of<br>CY 2001 | 2002-<br>2006                        | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 |
| 30 gal drum                           |  | 5.5               | 0.0           | 0.0           | 0.0           | 0.0           | 5.5          |                                   | 0.0               | 0.0                                  | 0.0           | 0.0           | 0.0           |
| 55 Gallon Drum                        |  | 21.6              | 0.0           | 0.0           | 0.0           | 0.0           | 21.6         | 30 gal drum                       | 5.5               | 0.0                                  | 0.0           | 0.0           | 0.0           |
| Other (large)                         |  | 390.6             | 0.0           | 0.0           | 0.0           | 0.0           | 390.6        | 55 Gallon Drum                    | 21.6              | 0.0                                  | 0.0           | 0.0           | 0.0           |
|                                       |  |                   |               |               |               |               | 417.8        | Other (large)                     | 390.6             | 0.0                                  | 0.0           | 0.0           | 0.0           |
|                                       |  |                   |               |               |               |               |              | Final Form Store                  | ed 417.8          | Projecte                             | ed            | 0.0           | Total         |

Total

0.0 5.5 21.6 390.6 417.8

TWBIR ID: **LA-TA-00-05** 

| Waste Stream Description          | Containers waiting assignment to waste streams                                     |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | assumed mixed but codes unknown  |
| Management Comments               | Former WS IDs: LAM001, LAM002, LAM003, LAM004, LAM006, LAT004, LAT005, and LAT006. |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

### Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | N/A<br>TA-00-06                  | Handling CH Stream Waste Type MTRU Generate | -       |       |        |           | Inventory Date 9/30/20 Waste Matrix Code S900 |              |                          |               |
|-------------------|----------------------------------|---|---------|-------|--------|-----------|---|--------------|--------------------------|---------------|
| EPA Codes         |                                  | Waste Material Parameters (kg/m3)           |         |       |        |           | laste Form Descriptors                        | TRUCON Codes | Final Form Radionuclides |               |
| As-G              | enerated                         | Material Parameter                          | Average | Lower | Upper  | Category: | Category: Non-defense TRU Waste               | N/A          |                          | Typical       |
| ,                 | 0006, D007,                      | Iron-Base Metal/Alloys                      | 77.88   | 0.18  | 230.19 | Residues: | No  | <u> </u>     | Isotopo                  | Concentration |
|                   | 0009, D011,                      | Aluminum-Base Metal/Alloys                  | 0.18    | 0.18  | 0.18   | Asbestos: | Vac   | ╡            | Isotope                  | (Ci/m3)       |
|                   | , D021, D022,<br>040, F002, F003 | Other Metal/Alloys                          | 0.18    | 0.18  | 0.18   |           |   | <u> </u>     | Am-241                   | 1.61E-03      |
| ,                 |                                  | Other Inorganic Materials                   | 12.90   | 0.18  | 88.05  |           | No  |              | Pu-238                   | 2.40E+00      |
|                   |                                  | Cellulosics                                 | 2.08    | 0.18  | 13.90  | Source:   | N/A   | 7            | Pu-239                   | 3.28E-03      |
|                   |                                  | Rubber                                      | 0.18    | 0.18  | 0.18   |           |   | <del></del>  | Pu-240                   | 1.52E-03      |
|                   |                                  | Plastics                                    | 6.40    | 0.18  | 41.11  |           |   |              | Pu-241                   | 7.86E-02      |
|                   |                                  | Solidified, Inorganic Matrix                | 0.18    | 0.18  | 0.18   |           |   |              | Pu-242                   | 8.08E-07      |
|                   |                                  | Cement (Solidified)                         | 0.00    | 0.00  | 0.00   |           |   |              | U-235                    | 2.84E-07      |
|                   |                                  | Vitrified                                   | 0.00    | 0.00  | 0.00   |           |   |              | U-238                    | 1.10E-08      |
|                   |                                  | Solidified, Organic Matrix                  | 0.18    | 0.18  | 0.18   |           |   |              | ·                        |               |
|                   |                                  | Soils                                       | 0.57    | 0.18  | 5.29   |           |   |              |                          |               |
|                   |                                  | Packaging Material, Steel                   | 9.82    | •     |        |           |   |              |                          |               |
|                   |                                  | Packaging Material, Plastic                 | 2.27    |       |        |           |   |              |                          |               |
|                   |                                  | Packaging Material, Lead                    | 0.00    |       |        |           |   |              |                          |               |
|                   |                                  | Packaging Material, Steel Plug              | 0.00    |       |        |           |   |              |                          |               |

| Waste Volume Detail (Cubic me |                   |               |               |               |               |       |
|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                               | As-Gene           | erated Vol    | lumes         |               |               |       |
|                               | Stored            |               | Proje         | ected         |               |       |
| ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum                | 33.3              | 0.0           | 0.0           | 0.0           | 0.0           | 33.3  |
| Standard Waste Box            | 11.4              | 0.0           | 0.0           | 0.0           | 0.0           | 11.4  |
| As-Generated Stored           | 44.7              | Projecte      | ed            | 0.0           | Total         | 44.7  |

| et | eters) for TWBIR ID : LA-TA-00-06 |                   |               |               |               |               |       |  |
|----|-----------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|    | Final Form Volumes                |                   |               |               |               |               |       |  |
| 1  |                                   | Stored            | Stored Pro    |               |               | Projected     |       |  |
|    | ContainerType                     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| 3  |                                   | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |  |
| 4  | 55 Gallon Drum                    | 33.3              | 0.0           | 0.0           | 0.0           | 0.0           | 33.3  |  |
| 7  | Standard Waste Box                | 11.4              | 0.0           | 0.0           | 0.0           | 0.0           | 11.4  |  |

Final Form Stored 44.7 Projected 0.0 Total 44.7

TWBIR ID: **LA-TA-00-06** 

| Waste Stream Description          | Containers waiting assignment to waste streams  |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | Former WS IDs: LAM004, LAM005, LAT004, LAT005, also contains containers not previously associated with an identified BIR WS |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

## Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | N/A<br>TA-00-07 | <u> </u>                          | Name Cont<br>or Site LA |       | iting assign | nment to waste streams  Form N/A    |              | Invento<br>Waste Mate    | ory Date 9/30/200<br>rix Code S9000 |
|-------------------|-----------------|-----------------------------------|-------------------------|-------|--------------|-------------------------------------|--------------|--------------------------|-------------------------------------|
| EPA Codes         |                 | Waste Material Parameters (kg/m3) |                         |       |              | <b>Final Waste Form Descriptors</b> | TRUCON Codes | Final Form Radionuclides |                                     |
| As-0              | Generated       | Material Parameter                | Average                 | Lower | Upper        | Category: Defense TRU Waste         | N/A          |                          | Typical                             |
|                   | D040            | Iron-Base Metal/Alloys            | 11.32                   | 0.18  | 125.69       | Residues: No                        |              | Isotope                  | Concentration (Ci/m3)               |
|                   |                 | Aluminum-Base Metal/Alloys        | 1.08                    | 0.18  | 17.07        | Asbestos: Yes                       | ╡            | isotope                  | (Ci/ilis)                           |
|                   |                 | Other Metal/Alloys                | 1.01                    | 0.18  | 12.85        |                                     | <u> </u>     | Am-241                   | 2.18E-02                            |
|                   |                 | Other Inorganic Materials         | 18.74                   | 0.18  | 94.00        | PCBs: No                            |              | Co-60                    | 7.18E-08                            |
|                   |                 | Cellulosics                       | 12.16                   | 0.18  | 27.42        | Source: N/A                         |              | Cs-137                   | 6.78E-05                            |
|                   |                 | Rubber                            | 5.61                    | 0.18  | 12.44        |                                     | _            | Pu-238                   | 2.88E-01                            |
|                   |                 | Plastics                          | 30.40                   | 4.05  | 68.40        |                                     |              | Pu-239                   | 3.57E-02                            |
|                   |                 | Solidified, Inorganic Matrix      | 0.18                    | 0.18  | 0.18         |                                     |              | Pu-240                   | 4.69E-03                            |
|                   |                 | Cement (Solidified)               | 0.00                    | 0.00  | 0.00         |                                     |              | Pu-241                   | 8.45E-02                            |
|                   |                 | Vitrified                         | 0.00                    | 0.00  | 0.00         |                                     |              | Pu-242                   | 4.62E-07                            |
|                   |                 | Solidified, Organic Matrix        | 0.18                    | 0.18  | 0.18         |                                     |              | U-234                    | 6.58E-05                            |
|                   |                 | Soils                             | 0.56                    | 0.18  | 9.41         |                                     |              | U-235                    | 1.63E-06                            |
|                   |                 | Packaging Material, Steel         | 3.48                    |       |              |                                     |              | U-238                    | 6.94E-08                            |
|                   |                 | Packaging Material, Plastic       | 2.04                    |       |              |                                     |              | ı                        | •                                   |
|                   |                 | Packaging Material, Lead          | 0.00                    |       |              |                                     |              |                          |                                     |
|                   |                 | Packaging Material, Steel Plug    | 0.00                    |       |              |                                     |              |                          |                                     |

| Waste Volume Detail (Cubic me |                   |               |               |               |               |       |      |
|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|------|
| As-Generated Volumes          |                   |               |               |               |               |       |      |
|                               |                   | Stored        |               | Proje         | ected         |       |      |
| ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |      |
| Drum / 55 gallon              |                   | 14.1          | 0.0           | 0.0           | 0.0           | 0.0   | 14.1 |
| Other (large)                 |                   | 3.7           | 0.0           | 0.0           | 0.0           | 0.0   | 3.7  |
| As-Generated                  | Stored            | 17.8          | Projecte      | ed            | 0.0           | Total | 17.8 |

| et | ters) for TWBIR ID : LA-TA-00-07 |                   |               |               |               |               |       |  |
|----|----------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|    | Final Form Volumes               |                   |               |               |               |               |       |  |
| 7  |                                  | Stored            |               | Projected     |               |               |       |  |
|    | ContainerType                    | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| 1  |                                  | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |  |
| 7  | 55 Gallon Drum                   | 14.1              | 0.0           | 0.0           | 0.0           | 0.0           | 14.1  |  |
| ٦  | Other (large)                    | 3.7               | 0.0           | 0.0           | 0.0           | 0.0           | 3.7   |  |
| 1  |                                  |                   |               |               |               |               |       |  |

Final Form Stored 17.8 Projected 0.0 Total 17.8

TWBIR ID: **LA-TA-00-07** 

| Waste Stream Description          | Containers waiting assignment to waste streams  |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | Former WS IDs: LAM004, LAM005, LAT004, LAT005, LAT009, also contains containers not previously associated with an identified BIR WS |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

### TWBIR ID: LA-TA-03-29

|                   |                            |  | 1110 117   | OIL D | TOLLINE     | INVENTORT WASTET ROTTLE        |              |                       |                                      |
|-------------------|----------------------------|--|------------|-------|-------------|--------------------------------|--------------|-----------------------|--------------------------------------|
| HQ ID<br>Local ID | N/A<br>TA-03-29            | Handling CH Stream Waste Type TRU Generate | -          |       | taminated s | soil (non-mixed)<br>Form Soils |              | Invento<br>Waste Matr | ory Date 9/30/2002<br>rix Code S4100 |
| EP                | A Codes                    | Waste Material Para                        | meters (kg | /m3)  |             | Final Waste Form Descriptors   | TRUCON Codes | Final Form            | Radionuclides                        |
| As-C              | Generated                  | Material Parameter                         | Average    | Lower | Upper       | Category: Defense TRU Waste    | N/A          |                       | Typical                              |
|                   | N/A                        | Iron-Base Metal/Alloys                     | 1.15       | 1.15  | 1.15        | Residues: No                   | <u> </u>     | la atama              | Concentration                        |
|                   | Aluminum-Base Metal/Alloys |  | 0.45       | 0.45  | 0.45        | Asbestos: No                   |              | Isotope               | (Ci/m3)                              |
|                   |                            | Other Metal/Alloys                         | 0.50       | 0.50  | 0.50        |                                |              | Am-241                | 6.87E-01                             |
|                   |                            | Other Inorganic Materials                  | 0.18       | 0.18  | 1.15        | PCBs: No                       |              | Pu-238                | 2.73E+04                             |
|                   |                            | Cellulosics                                | 2.43       | 2.43  | 2.43        | Source: N/A                    |              | Pu-239                | 1.12E+01                             |
|                   |                            | Rubber                                     | 1.27       | 1.27  | 1.27        |                                |              | Pu-240                | 2.57E+00                             |
|                   |                            | Plastics                                   | 3.56       | 3.56  | 3.56        |                                |              | Pu-241                | 3.86E+01                             |
|                   |                            | Solidified, Inorganic Matrix               | 14.47      | 14.47 | 14.47       |                                |              | Pu-242                | 1.05E-03                             |
|                   |                            | Cement (Solidified)                        | 0.00       | 0.00  | 0.00        |                                |              |                       |                                      |
|                   |                            | Vitrified                                  | 0.00       | 0.00  | 0.00        |                                |              |                       |                                      |
|                   |                            | Solidified, Organic Matrix                 | 76.26      | 76.26 | 76.26       |                                |              |                       |                                      |
|                   |                            | Soils                                      | 10.55      | 10.55 | 10.55       |                                |              |                       |                                      |
|                   |                            | Packaging Material, Steel                  | 131.00     |       |             |                                |              |                       |                                      |
|                   |                            | Packaging Material, Plastic                | 37.00      |       |             |                                |              |                       |                                      |
|                   |                            | Packaging Material, Lead                   | 0.00       |       |             |                                |              |                       |                                      |
|                   |                            | Packaging Material, Steel Plug             | 0.00       |       |             |                                |              |                       |                                      |

|                | Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-03-29 |                   |               |               |               |               |       |                   |                   |                  |               |               |               |       |  |
|----------------|---|-------------------|---------------|---------------|---------------|---------------|-------|-------------------|-------------------|------------------|---------------|---------------|---------------|-------|--|
|                |   | As-Gen            | erated Vo     | lumes         |               |               |       |                   | Final F           | orm Volu         | mes           |               |               |       |  |
|                | Stored Projected  |                   |               |               |               |               |       |                   | Stored            | Stored Projected |               |               |               |       |  |
| ContainerTyp   | e   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001 | 2002-<br>2006    | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| 55 Gallon Drum |   | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4   | 55 Gallon Drum    | 0.4               | 0.0              | 0.0           | 0.0           | 0.0           | 0.4   |  |
| As-Generated   | Stored  | 0.4               | Projecte      | ed            | 0.0           | Total         | 0.4   | Final Form Stored | 0.4               | Projecte         | ed            | 0.0           | Total         | 0.4   |  |

TWBIR ID: **LA-TA-03-29** 

| Waste Stream Description          | Soils contaminated with transuranic material. |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | Former WS IDs: LAT008                         |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

#### TWBIR ID: **LA-TA-55-52**

| HQ ID N/A Local ID TA-55-52 | Handling CH Stream Waste Type MTRU Generate | Inventory Date 9/30/200 Waste Matrix Code S3200 |           |              |                              |              |                        |
|-----------------------------|---|---|-----------|--------------|------------------------------|--------------|------------------------|
| <b>EPA Codes</b>            | Waste Material Para                         | meters (kg                                      | /m3)      |              | Final Waste Form Descriptors | TRUCON Codes | No Final Form          |
| As-Generated                | Material Parameter                          | Average   | Lower     | Upper        | Category: Unknown            | N/A          | Radionuclides Provided |
| N/A                         | Iron-Base Metal/Alloys                      | 0.18  | 0.18      | 0.18         | Residues: No                 | <u> </u>     |                        |
|                             | Aluminum-Base Metal/Alloys                  | 0.18  | 0.18      | 0.18         |                              | ╡            |                        |
|                             | Other Metal/Alloys                          | 0.18  | 0.18 0.18 | Asbestos: No | <b>=</b>                     |              |                        |
|                             | Other Inorganic Materials                   | 0.18  | 0.18      | 0.18         | PCBs: No                     |              |                        |
|                             | Cellulosics                                 | 0.18  | 0.18      | 0.18         | Source: N/A                  |              |                        |
|                             | Rubber                                      | 0.18  | 0.18      | 0.18         |                              | _            |                        |
|                             | Plastics                                    | 0.18  | 0.18      | 0.18         |                              |              |                        |
|                             | Solidified, Inorganic Matrix                | 165.82  | 165.82    | 165.82       |                              |              |                        |
|                             | Cement (Solidified)                         | 0.00  | 0.00      | 0.00         |                              |              |                        |
|                             | Vitrified                                   | 0.00  | 0.00      | 0.00         |                              |              |                        |
|                             | Solidified, Organic Matrix                  | 828.39  | 828.39    | 828.39       |                              |              |                        |
|                             | Soils                                       | 110.61  | 110.61    | 110.61       |                              |              |                        |
|                             | Packaging Material, Steel                   | 131.00  | •         | •            |                              |              |                        |
|                             | Packaging Material, Plastic                 | 37.00   |           |              |                              |              |                        |
|                             | Packaging Material, Lead                    | 0.00  |           |              |                              |              |                        |
|                             | Packaging Material, Steel Plug              | 0.00  |           |              |                              |              |                        |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-55-52 |               |               |               |               |       |                   |                   |               |               |               |               |       |  |
|---------------------|---|---------------|---------------|---------------|---------------|-------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       |                   | Final F           | orm Volu      | mes           |               |               |       |  |
|                     | Stored  |               | Proje         | ected         |               |       |                   | Stored            |               | Proje         | ected         |               |       |  |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| 55 Gallon Drum      | 0.6   | 0.0           | 0.0           | 0.0           | 0.0           | 0.6   | 55 Gallon Drum    | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6   |  |
| As-Generated Stored | 0.6   | Projecto      | ed            | 0.0           | Total         | 0.6   | Final Form Stored | 0.6               | Projecto      | ed            | 0.0           | Total         | 0.6   |  |

TWBIR ID: **LA-TA-55-52** 

| Waste Stream Description          | Oil on vermiculite, corrosive waste not for disposal at WIPP (mixed).    |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | assumed mixed but codes unknown  |
| Management Comments               | Containes containers not previously associated with an identified BIR WS |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

# TWBIR ID: LB-T001 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

#### LB-T001 CH Stream Name LBL - Waste Inventory Date 5/31/1995 Handling HQ ID Local ID N/A Waste Type TRU Generator Site N/A Final Waste Form Heterogeneous Debris **Waste Matrix Code EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Category: Non-Defense TRU Waste UNK As-Generated **Material Parameter** Average Lower Upper Typical Concentration N/A Iron-Base Metal/Alloys 390.00 40.00 800.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 425.00 50.00 850.00 Am-241 9.32E-02 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 Am-243 3.85E-02 150.00 60.00 200.00 Source: R&D/R&D Laboratory Waste Cf-249 3.16E-03 Cellulosics Cf-250 Rubber 0.00 0.00 0.00 4.81E-05 **Plastics** 450.00 150.00 600.00 Cm-244 1.19E-01 0.00 0.00 Es-253 4.81E-04 Solidified, Inorganic Matrix 0.00 Cement (Solidified) 0.00 0.00 0.00 Es-254 5.29E-03 0.00 0.00 0.00 Vitrified Pu-238 2.54E-04 Solidified, Organic Matrix 150.00 250.00 5.05E-03 50.00 Pu-240 Soils 0.00 0.00 0.00 Pu-242 1.01E-02

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : LB-T001 |               |               |               |               |       |     |                |        |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|-----|----------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Generated Volumes                                      |               |               |               |               |       |     |                |        | Final F           | orm Volu      | mes           |               |               |       |
| Stored Projected    |   |               |               |               |               |       |     |                |        | Stored            |               | Proje         | ected         |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |     | ContainerType  | е      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55-gallon    | 0.6   | 0.2           | 0.4           | 0.2           | 0.0           | 1.7   | 5   | 55 Gallon Drum |        | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 1.7   |
| As-Generated Stored | 0.6   | Projecto      | ed            | 1.0           | Total         | 1.7   | ] F | Final Form     | Stored | 0.6               | Projecte      | ed            | 1.0           | Total         | 1.7   |

Packaging Material, Steel

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

131.00

37.00

0.00

0.00

Ra-226

U-233

3.38E-02

4.81E-03

TWBIR ID: LB-T001

| Waste Stream Description          | Transuranic wastes with isotopes only   |
|-----------------------------------|---|
| Waste Stream Source Description   | The LBL is operated by UC for DOE and performs multi-disciplinary research in the energy sciences, life sciences, and general sciences. During the research a small amount of TRU waste is generated. |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | Data of regulated contaminant characteristics is solely provided by generators. No laboratory chemical analysis has been performed to verify these data.  |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

### TWBIR ID: PA-B015 Annex I TPU WASTE BASELINE INVENTORY

0.00

0.00

|                   |                    |                              | TRU WA    | STEBA          | ASELINE     | INVENTORY WASTE PROFILE        |              |            |                       |
|-------------------|--------------------|------------------------------|-----------|----------------|-------------|--------------------------------|--------------|------------|-----------------------|
| HQ ID<br>Local ID | PA-B015<br>PA-B015 | <u> </u>                     | Name Tran |                | nd Technet  | ium Wastes - Liquid            |              | Invento    | ory Date 9/30/2002    |
| ļ                 |                    |                              | <u> </u>  |                | iai Wasic i |                                | TRUCON Codes |            |                       |
|                   | A Codes            | Waste Material Par           | <u> </u>  | <del>' '</del> |             | Final Waste Form Descriptors   | TRUCON Codes | Final Form | Radionuclides         |
| As-C              | Generated          | Material Parameter           | Average   | Lower          | Upper       | Category: Defense TRU Waste    | N/A          |            | Typical               |
| D002, D007        |                    | Iron-Base Metal/Alloys       | 59.00     | 0.00           | 0.00        | Residues: No                   |              | Isotope    | Concentration (Ci/m3) |
|                   | _                  | Aluminum-Base Metal/Alloys   | 0.00      | 0.00           | 0.00        | A street see No.               | <del>_</del> | isotope    | (Ci/ilis)             |
|                   |                    | Other Metal/Alloys           | 0.00      | 0.00           | 0.00        | Asbestos: No                   | <u> </u>     | Np-237     | 4.56E-02              |
|                   |                    | Other Inorganic Materials    | 0.00      | 0.00           | 0.00        | PCBs: No                       |              | Pu-239     | 1.66E-01              |
|                   |                    | Cellulosics                  | 0.00      | 0.00           | 0.00        | Source: Other/Multiple Sources |              | Tc-99      | 3.79E+00              |
|                   |                    | Rubber                       | 0.00      | 0.00           | 0.00        |                                |              |            |                       |
|                   |                    | Plastics                     | 0.00      | 0.00           | 0.00        |                                |              |            |                       |
|                   |                    | Solidified, Inorganic Matrix | 0.00      | 0.00           | 0.00        |                                |              |            |                       |
|                   |                    | Cement (Solidified)          | 0.00      | 0.00           | 0.00        |                                |              |            |                       |
|                   |                    | Vitrified                    | 0.00      | 0.00           | 0.00        |                                |              |            |                       |
|                   |                    | Solidified, Organic Matrix   | 0.00      | 0.00           | 0.00        |                                |              |            |                       |
|                   |                    | Soils                        | 0.00      | 0.00           | 0.00        |                                |              |            |                       |
|                   |                    | Packaging Material, Steel    | 212.00    |                |             |                                |              |            |                       |
|                   |                    | Packaging Material, Plastic  | 0.00      |                |             |                                |              |            |                       |

|                            | Waste Volume Detail (Cubic meters) for TWBIR ID : PA-B015 |               |               |               |               |       |                              |                   |               |               |               |               |       |  |
|----------------------------|---|---------------|---------------|---------------|---------------|-------|------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                            | As-Gen  | erated Vo     | lumes         |               |               |       |                              | Final F           | orm Volu      | ımes          |               |               |       |  |
|                            | Stored  |               | Proje         | ected         |               |       |                              | Stored Projected  |               |               |               |               |       |  |
| ContainerType              | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| Drum/55-gallon in overpack | 2.4   | 0.0           | 0.0           | 0.0           | 0.0           | 2.4   | SWB used to overpack 55 gall | 2.5               | 0.0           | 0.0           | 0.0           | 0.0           | 2.5   |  |
| As-Generated Stored        | 2.4   | Projecte      | ed            | 0.0           | Total         | 2.4   | Final Form Stored            | 2.5               | Projecto      | ed            | 0.0           | Total         | 2.5   |  |

Packaging Material, Lead
Packaging Material, Steel Plug

TWBIR ID: PA-B015

| Waste Stream Description          | Transuranic and Technitium waste class C Liquid  |
|-----------------------------------|--|
| Waste Stream Source Description   | C-400  |
| <b>Current Container Comments</b> | tbrown Assumed internal volume of Drum/55-gallon in overpack is 0.30 m3.   |
| EPA Comments                      | N/A  |
| Management Comments               | N/A  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | Original data showed 3 SWBs. Int. volume and # stored changed to more accurately reflect the waste volume of 2.4 m3 as follows: 2.4 m3 / .208 m3 / drum = 11.538 drums, rounded to 12 drums. Tb 3/29/03. |

TWBIR ID: PA-W014 Annex I

#### TRU WASTE BASELINE INVENTORY WASTE PROFILE

PA-W014 CH Stream Name Transuranic Waste Liquid Inventory Date 9/30/2002 HQ ID Handling PA-W014 Waste Type MTRU Local ID **Generator Site** Final Waste Form N/A **Waste Matrix Code** L1220 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste As-Generated **Material Parameter** Average Lower Upper N/A D002 Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 0.00 0.00 0.00 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 0.00 0.00 Source: Other/Multiple Sources Cellulosics 0.00 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 0.00 0.00 0.00 Solidified, Inorganic Matrix Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 0.00 Packaging Material, Plastic 0.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                            | Waste Volume Detail (Cubic meters) for TWBIR ID : PA-W014 |               |               |               |               |       |                              |                   |               |               |               |               |       |  |
|----------------------------|---|---------------|---------------|---------------|---------------|-------|------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                            | As-Gen  | erated Vo     | lumes         |               |               |       |                              | Final F           | orm Volu      | ımes          |               |               |       |  |
|                            | Stored  |               | Proje         | ected         |               |       |                              | Stored Projected  |               |               |               |               |       |  |
| ContainerType              | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| Drum/55-gallon in overpack | 0.3   | 0.0           | 0.0           | 0.0           | 0.0           | 0.3   | SWB used to overpack 55 gall | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4   |  |
| As-Generated Stored        | 0.3   | Projecto      | ed            | 0.0           | Total         | 0.3   | Final Form Stored            | 0.4               | Projecto      | ed            | 0.0           | Total         | 0.4   |  |

TWBIR ID: PA-W014

| Waste Stream Description          | Transuranic Waste Basic class C Green Sludge   |
|-----------------------------------|--|
| Waste Stream Source Description   | C -400   |
| <b>Current Container Comments</b> | tbrown Assumed internal volume of Drum/55-gallon in overpack is 0.30 m3.   |
| EPA Comments                      | N/A  |
| Management Comments               | N/A  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | Original data showed 1 SWB. Int. volume and # stored changed to more accurately reflect the waste volume of .3 m3 as follows: .3 m3 / .208 m3 / drum = 1.442 drums, rounded to 2 drums.  Tb 3/29/03. |

#### TWBIR ID: RF-MT0375A

| HQ ID<br>Local ID | RF-W026<br>IDC 375 | · •                            | Name Used<br>or Site RF |          |       | Form Solidified Organics             |              | Inventory Date 9/30/200 Waste Matrix Code S3113 |  |
|-------------------|--------------------|--------------------------------|-------------------------|----------|-------|--------------------------------------|--------------|---|--|
| EF                | PA Codes           | Waste Material Para            | meters (kg              | /m3)     |       | Final Waste Form Descriptors         | TRUCON Codes | No Final Form                                   |  |
| As-               | Generated          | Material Parameter             | Average Lower           |          | Upper | Category: Defense TRU Waste          | 122          | Radionuclides Provided                          |  |
| F001              | , F002, TBD        | Iron-Base Metal/Alloys         | 0.00                    | 0.00     | 0.00  | Residues: No                         |              |   |  |
|                   |                    | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00     | 0.00  | Asbestos: No                         |              |   |  |
|                   |                    | Other Metal/Alloys             | 0.00                    | 0.00     | 0.00  |                                      |              |   |  |
|                   |                    | Other Inorganic Materials      | 0.00                    | 0.00     | 0.00  | PCBs: No                             |              |   |  |
|                   |                    | Cellulosics                    | 0.00                    | 0.00     | 0.00  | Source: Facility/Equipment Operation |              |   |  |
|                   |                    | Rubber                         | 0.00                    | 0.00     | 0.00  | and Maintenance Waste                |              |   |  |
|                   |                    | Plastics                       | 0.00                    | 0.00     | 0.00  |                                      |              |   |  |
|                   |                    | Solidified, Inorganic Matrix   | 0.00                    | 0.00     | 0.00  |                                      |              |   |  |
|                   |                    | Cement (Solidified)            | 0.00                    | 0.00     | 0.00  |                                      |              |   |  |
|                   |                    | Vitrified                      | 0.00                    | 0.00     | 0.00  |                                      |              |   |  |
|                   |                    | Solidified, Organic Matrix     | 0.00                    | 0.00     | 0.00  |                                      |              |   |  |
|                   |                    | Soils                          | 0.00                    | 0.00     | 0.00  |                                      |              |   |  |
|                   |                    | Packaging Material, Steel      | 0.00                    | <u> </u> |       |                                      |              |   |  |
|                   |                    | Packaging Material, Plastic    | 0.00                    |          |       |                                      |              |   |  |
|                   |                    | Packaging Material, Lead       | 0.00                    |          |       |                                      |              |   |  |
|                   |                    | Packaging Material, Steel Plug | 0.00                    |          |       |                                      |              |   |  |

|                      |        |                   |               | ٧             | Vaste Vol     | ume Detai     | I (Cubic me | eter               | rs) for TWBIR ID : RF-M | /IT0375 | Ą                 |               |               |               |               |       |
|----------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------------|--------------------|-------------------------|---------|-------------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes |        |                   |               |               |               |               |             | Final Form Volumes |                         |         |                   |               |               |               |               |       |
| Stored               |        |                   | Projected     |               |               |               |             | 1                  |                         |         | Stored            |               | Proje         | cted          |               |       |
| ContainerTy          | ре     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total       |                    | ContainerType           |         | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| TBD                  |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0         | ]                  | TBD                     |         | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated         | Stored | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0         | F                  | Final Form Si           | tored   | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   |

TWBIR ID: RF-MT0375A

| Waste Stream Description          | This waste form is vermiculte with absorbed organic liquid.  |
|-----------------------------------|--|
| Waste Stream Source Description   | This waste stream was previously named "Spent Absorbent/TRU (Oil Dri)". This waste stream was not specifically identified in the Storage or Inventory Report prepared by RFP in fulfillment of FFCA requirements. This waste is the TRU fraction of the waste titled "Oil Dri/LLW Mixed" in the Inventory Report. Normally it is LLW, but occasionally some assays as TRU. This waste stream is IDC No. 375 Absorbents, usually vermiculite materials, which are used in the plutonium and uranium process areas for cleanup of hazardous liquid spills (spent solvents), oil absorption, or absorption of any liquids as needed. One of the most commonly used absorbents is Oil Dri(R). Spent absorbents are assumed to be radiologically contaminated. The waste is packaged in 55-gallon drums lined with two polyethylene bags. |
|                                   | IDC 375 - Any type of absorbent vermiculite material. Mixed waste.   |
|                                   | Oil Dri is an absorbent vermiculite material.  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | No sample analysis of this material has been performed. Characterization is based on process knowledge.  |
|                                   | Subpopulation 18C  |
|                                   | This single drum, D72372, is in Subpopulation 18C. Based on process knowledge information on this drum and the use of carbon tetrachloride and Freon TF in Building 707, Module C, shown in WSRIC, this drum's contents are considered to be RCRA hazardous. It is further assumed that the contents exhibit the characteristic of toxicity for carbon tetrachloride; therefore, EPA Code D019 is assigned. EPA codes have also been assigned for the F-listed solvents. The CCC for this drum is 1020. No analytical data are available for this subpopulation.   |
| Management Comments               | New Waste Stream being added to TWBIR  |
| Acceptance Comments               | RFP has assumed this waste to be LDR based on process knowledge characterization and one sample analyzed for volatiles in 1988.  |
|                                   | 1. Basis for determining LDR storage prohibition status is based primarily on process knowledge. WASTE_PACK: This waste is packaged in a 55 gallon carbon steel drum.  |
| Final Form Comments               | N/A  |

TWBIR ID: RF-MT0375B

| HQ ID<br>Local ID | RF-W026<br>IDC 375 | <u> </u>                       | Name Used<br>or Site RF |      |       | Form Solidified Organics                  | Inventory Date 9/30/2003<br>Waste Matrix Code S3114 |
|-------------------|--------------------|--------------------------------|-------------------------|------|-------|---|---|
|                   | PA Codes           | Waste Material Para            |                         |      |       | Final Waste Form Descriptors TRUCON Codes | No Final Form                                       |
| As-               | Generated          | Material Parameter             | Average Lower           |      | Upper | Category: Defense TRU Waste 122           | Radionuclides Provided                              |
| F001              | , F002, TBD        | Iron-Base Metal/Alloys         | 0.00                    | 0.00 | 0.00  | Residues: No                              |   |
|                   | _                  | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00 | 0.00  | Asbestos: No                              |   |
|                   |                    | Other Metal/Alloys             | 0.00                    | 0.00 | 0.00  |   |   |
|                   |                    | Other Inorganic Materials      | 0.00                    | 0.00 | 0.00  | PCBs: No                                  |   |
|                   |                    | Cellulosics                    | 0.00                    | 0.00 | 0.00  | Source: Facility/Equipment Operation      |   |
|                   |                    | Rubber                         | 0.00                    | 0.00 | 0.00  | and Maintenance Waste                     |   |
|                   |                    | Plastics                       | 0.00                    | 0.00 | 0.00  |   |   |
|                   |                    | Solidified, Inorganic Matrix   | 0.00                    | 0.00 | 0.00  |   |   |
|                   |                    | Cement (Solidified)            | 0.00                    | 0.00 | 0.00  |   |   |
|                   |                    | Vitrified                      | 0.00                    | 0.00 | 0.00  |   |   |
|                   |                    | Solidified, Organic Matrix     | 0.00                    | 0.00 | 0.00  |   |   |
|                   |                    | Soils                          | 0.00                    | 0.00 | 0.00  |   |   |
|                   |                    | Packaging Material, Steel      | 0.00                    |      |       |   |   |
|                   |                    | Packaging Material, Plastic    | 0.00                    |      |       |   |   |
|                   |                    | Packaging Material, Lead       | 0.00                    |      |       |   |   |
|                   |                    | Packaging Material, Steel Plug | 0.00                    |      |       |   |   |

|               | Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0375B |                   |               |               |               |               |       |   |              |                    |                   |               |               |               |               |       |
|---------------|--|-------------------|---------------|---------------|---------------|---------------|-------|---|--------------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|               | As-Generated Volumes   |                   |               |               |               |               |       |   |              | Final Form Volumes |                   |               |               |               |               |       |
| Stored Projec |  |                   | ected         |               |               |               |       |   | Stored       |                    | Proje             | ected         |               |               |               |       |
| ContainerTy   | ре   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |   | ContainerTyp | е                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| TBD           |  | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |   | TBD          |                    | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated  | Stored   | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   | F | Final Form   | Stored             | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   |

TWBIR ID: RF-MT0375B

| Waste Stream Description          | This waste form is vermiculte with absorbed organic liquid.  |
|-----------------------------------|--|
| Waste Stream Source Description   | This waste stream was previously named "Spent Absorbent/TRU (Oil Dri)". This waste stream was not specifically identified in the Storage or Inventory Report prepared by RFP in fulfillment of FFCA requirements. This waste is the TRU fraction of the waste titled "Oil Dri/LLW Mixed" in the Inventory Report. Normally it is LLW, but occasionally some assays as TRU. This waste stream is IDC No. 375 Absorbents, usually vermiculite materials, which are used in the plutonium and uranium process areas for cleanup of hazardous liquid spills (spent solvents), oil absorption, or absorption of any liquids as needed. One of the most commonly used absorbents is Oil Dri(R). Spent absorbents are assumed to be radiologically contaminated. The waste is packaged in 55-gallon drums lined with two polyethylene bags. |
|                                   | IDC 375 - Any type of absorbent vermiculite material. Mixed waste.   |
|                                   | Oil Dri is an absorbent vermiculite material.  |
| <b>Current Container Comments</b> | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD."  |
| EPA Comments                      | No sample analysis of this material has been performed. Characterization is based on process knowledge.  |
|                                   | Subpopulation 18C  |
|                                   | This single drum, D72372, is in Subpopulation 18C. Based on process knowledge information on this drum and the use of carbon tetrachloride and Freon TF in Building 707, Module C, shown in WSRIC, this drum's contents are considered to be RCRA hazardous. It is further assumed that the contents exhibit the characteristic of toxicity for carbon tetrachloride; therefore, EPA Code D019 is assigned. EPA codes have also been assigned for the F-listed solvents. The CCC for this drum is 1020. No analytical data are available for this subpopulation.   |
| Management Comments               | New Waste Stream being added to TWBIR  |
| Acceptance Comments               | RFP has assumed this waste to be LDR based on process knowledge characterization and one sample analyzed for volatiles in 1988.  |
|                                   | 1. Basis for determining LDR storage prohibition status is based primarily on process knowledge. WASTE_PACK: This waste is packaged in a 55 gallon carbon steel drum.  |
| Final Form Comments               | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD."  |

# TWBIR ID: RF-MT0503 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID Local ID | RF-MT0503<br>N/A | Handling CH Stream Waste Type MTRU Generato | Name N/A   | Fir   | nal Waste l | Form N/A                     |              | Inventory Date 9/30/2003 Waste Matrix Code TBD |
|----------------|------------------|---|------------|-------|-------------|------------------------------|--------------|--|
| EPA            | Codes            | Waste Material Para                         | meters (kg | /m3)  |             | Final Waste Form Descriptors | TRUCON Codes | No Final Form                                  |
| As-Ge          | nerated          | Material Parameter                          | Average    | Lower | Upper       | Category: Defense TRU Waste  | N/A          | Radionuclides Provided                         |
| N              | I/A              | Iron-Base Metal/Alloys                      | 0.00       | 0.00  | 0.00        | Residues: N/A                | <u> </u>     |  |
|                |                  | Aluminum-Base Metal/Alloys                  | 0.00       | 0.00  | 0.00        |                              |              |  |
|                |                  | Other Metal/Alloys                          | 0.00       | 0.00  | 0.00        | Asbestos: N/A                |              |  |
|                |                  | Other Inorganic Materials                   | 0.00       | 0.00  | 0.00        | PCBs: N/A                    |              |  |
|                |                  | Cellulosics                                 | 0.00       | 0.00  | 0.00        | Source: N/A                  |              |  |
|                |                  | Rubber                                      | 0.00       | 0.00  | 0.00        |                              |              |  |
|                |                  | Plastics                                    | 0.00       | 0.00  | 0.00        |                              |              |  |
|                |                  | Solidified, Inorganic Matrix                | 0.00       | 0.00  | 0.00        |                              |              |  |
|                |                  | Cement (Solidified)                         | 0.00       | 0.00  | 0.00        |                              |              |  |
|                |                  | Vitrified                                   | 0.00       | 0.00  | 0.00        |                              |              |  |
|                |                  | Solidified, Organic Matrix                  | 0.00       | 0.00  | 0.00        |                              |              |  |
|                |                  | Soils                                       | 0.00       | 0.00  | 0.00        |                              |              |  |
|                |                  | Packaging Material, Steel                   | 0.00       |       |             |                              |              |  |
|                |                  | Packaging Material, Plastic                 | 0.00       |       |             |                              |              |  |
|                |                  | Packaging Material, Lead                    | 0.00       |       |             |                              |              |  |
|                |                  | Packaging Material, Steel Plug              | 0.00       |       |             |                              |              |  |

|                  |        | As-Gene           | erated Vol    | lumes         |               |               |       |                |        |
|------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|----------------|--------|
|                  |        | Stored            |               | Proje         | ected         |               |       |                |        |
| ContainerType    |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerTy    | ре     |
| Bottle / 2-Liter |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   | 55 Gallon Drum |        |
| Drum / 55 gallon |        | 1.5               | 0.0           | 0.0           | 0.0           | 0.0           | 1.5   | Final Form     | Stored |
| As-Generated     | Stored | 1.5               | Projecte      | ed            | 0.0           | Total         | 1.5   |                |        |

| ters) for TWBilt IB . It | 1 1111000         | <u> </u>      |               |               |               |       |     |  |  |  |  |  |
|--------------------------|-------------------|---------------|---------------|---------------|---------------|-------|-----|--|--|--|--|--|
| Final Form Volumes       |                   |               |               |               |               |       |     |  |  |  |  |  |
|                          |                   | Stored        |               |               |               |       |     |  |  |  |  |  |
| ContainerTyp             | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |     |  |  |  |  |  |
| 55 Gallon Drum           |                   | 1.7           | 0.0           | 0.0           | 0.0           | 0.0   | 1.7 |  |  |  |  |  |
| Final Form               | Stored            | 1.7           | Projecte      | ed            | 0.0           | Total | 1.7 |  |  |  |  |  |

Appendix DATA, Attachment F, Annex I

TWBIR ID: RF-MT0503

| Waste Stream Description          | N/A   |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | All waste with D001, D002, and D003 codes will be processed or repackaged prior to shipment to WIPP per Geoff Asmus.                                      |
| Management Comments               | Waste Stream currently exists in the TWBIR as a mixed waste or residue, (i.e., RF-MRXXXX, or RF-MTXXXX), but has been recharacterized as non-mixed waste. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

### TWBIR ID: RF-MT0505

| HQ ID         RF-MT0505           Local ID         N/A |                                | Name N/A<br>or Site RF | Fin             | al Waste | Form N/A                     |   | Inventory Date 9/30/200 Waste Matrix Code TBD |  |  |  |  |
|--|--------------------------------|------------------------|-----------------|----------|------------------------------|---|---|--|--|--|--|
| EPA Codes  | Waste Material Para            | meters (kg/            | /m3)            |          | Final Waste Form Descriptors | Final Waste Form Descriptors TRUCON Codes |   |  |  |  |  |
| As-Generated   | Material Parameter             | Average                | age Lower Upper |          | Category: Defense TRU Waste  | N/A                                       | Radionuclides Provided                        |  |  |  |  |
| F001, F002, F005, F006,                                | Iron-Base Metal/Alloys         | 0.00                   | 0.00            | 0.00     | Residues: N/A                | <u> </u>                                  |   |  |  |  |  |
| F007, F009   | Aluminum-Base Metal/Alloys     | 0.00                   | 0.00            | 0.00     | Asbestos: N/A                | ╡   |   |  |  |  |  |
|  | Other Metal/Alloys             | 0.00                   | 0.00            | 0.00     |                              | ₫   |   |  |  |  |  |
|  | Other Inorganic Materials      | 0.00                   | 0.00            | 0.00     | PCBs: N/A                    |   |   |  |  |  |  |
|  | Cellulosics                    | 0.00                   | 0.00            | 0.00     | Source: N/A                  | 7   |   |  |  |  |  |
|  | Rubber                         | 0.00                   | 0.00            | 0.00     |                              | _   |   |  |  |  |  |
|  | Plastics                       | 0.00                   | 0.00            | 0.00     |                              |   |   |  |  |  |  |
|  | Solidified, Inorganic Matrix   | 0.00                   | 0.00            | 0.00     |                              |   |   |  |  |  |  |
|  | Cement (Solidified)            | 0.00                   | 0.00            | 0.00     |                              |   |   |  |  |  |  |
|  | Vitrified                      | 0.00                   | 0.00            | 0.00     |                              |   |   |  |  |  |  |
|  | Solidified, Organic Matrix     | 0.00                   | 0.00            | 0.00     |                              |   |   |  |  |  |  |
|  | Soils                          | 0.00                   | 0.00            | 0.00     |                              |   |   |  |  |  |  |
|  | Packaging Material, Steel      | 0.00                   |                 |          |                              |   |   |  |  |  |  |
|  | Packaging Material, Plastic    | 0.00                   |                 |          |                              |   |   |  |  |  |  |
|  | Packaging Material, Lead       | 0.00                   |                 |          |                              |   |   |  |  |  |  |
|  | Packaging Material, Steel Plug | 0.00                   |                 |          |                              |   |   |  |  |  |  |

|                      | Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0505 |                   |               |               |               |               |       |                    |                   |                   |               |               |               |               |       |
|----------------------|---|-------------------|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes |   |                   |               |               |               |               |       | Final Form Volumes |                   |                   |               |               |               |               |       |
|                      |   | Stored Project    |               |               | cted          | ed            |       |                    |                   | Stored            |               | Projected     |               |               |       |
| ContainerTyp         | e   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |                    | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon     |   | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |                    | 55 Gallon Drum    | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated         | Stored  | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2   |                    | Final Form Stored | 0.2               | Project       | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: RF-MT0505

| Waste Stream Description          | N/A                                   |
|-----------------------------------|---------------------------------------|
| Waste Stream Source Description   | N/A                                   |
| <b>Current Container Comments</b> | N/A                                   |
| EPA Comments                      | N/A                                   |
| Management Comments               | New Waste Stream being added to TWBIR |
| Acceptance Comments               | N/A                                   |
| Final Form Comments               | N/A                                   |

### TWBIR ID: RF-MT0529 Annex I

| HQ ID RF-MT0529<br>Local ID N/A             | Handling CH Stream Waste Type MTRU Generate | Name N/A    | Fin   | al Waste F | Form N/A                     |              | Inventory Date 9/30/2002 Waste Matrix Code TBD |
|---|---|-------------|-------|------------|------------------------------|--------------|--|
| <b>EPA Codes</b>                            | Waste Material Para                         | meters (kg/ | /m3)  |            | Final Waste Form Descriptors | TRUCON Codes | No Final Form                                  |
| As-Generated                                | Material Parameter                          | Average     | Lower | Upper      | Category: Defense TRU Waste  | N/A          | Radionuclides Provided                         |
| D004, D005, D006,                           | Iron-Base Metal/Alloys                      | 0.00        | 0.00  | 0.00       | Residues: N/A                | 7            |  |
| D007, D008, D009,<br>D010, D011, D018,      | Aluminum-Base Metal/Alloys                  | 0.00        | 0.00  | 0.00       | Asbestos: N/A                | ╡            |  |
| D010, D011, D018,<br>D019, D022, D027,      | Other Metal/Alloys                          | 0.00        | 0.00  | 0.00       |                              | ╡            |  |
| D028, D029, D034,                           | Other Inorganic Materials                   | 0.00        | 0.00  | 0.00       | PCBs: N/A                    |              |  |
| D039, D040, D043,                           | Cellulosics                                 | 0.00        | 0.00  | 0.00       | Source: N/A                  | 7            |  |
| F001, F002, F003, F005,<br>F006, F007, F009 | Rubber                                      | 0.00        | 0.00  | 0.00       |                              | <del>_</del> |  |
| 1 000,1 007,1 000                           | Plastics                                    | 0.00        | 0.00  | 0.00       |                              |              |  |
|   | Solidified, Inorganic Matrix                | 0.00        | 0.00  | 0.00       |                              |              |  |
|   | Cement (Solidified)                         | 0.00        | 0.00  | 0.00       |                              |              |  |
|   | Vitrified                                   | 0.00        | 0.00  | 0.00       |                              |              |  |
|   | Solidified, Organic Matrix                  | 0.00        | 0.00  | 0.00       |                              |              |  |
|   | Soils                                       | 0.00        | 0.00  | 0.00       |                              |              |  |
|   | Packaging Material, Steel                   | 0.00        |       | •          |                              |              |  |
|   | Packaging Material, Plastic                 | 0.00        |       |            |                              |              |  |
|   | Packaging Material, Lead                    | 0.00        |       |            |                              |              |  |
|   | Packaging Material, Steel Plug              | 0.00        |       |            |                              |              |  |

|                      | Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0529 |               |               |               |               |        |                    |                   |               |               |               |               |       |
|----------------------|---|---------------|---------------|---------------|---------------|--------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes |   |               |               |               |               |        | Final Form Volumes |                   |               |               |               |               |       |
|                      | Stored Projected  |               |               |               |               | Stored |                    | Proje             | ected         |               |               |               |       |
| ContainerType        | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon     | 0.2   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2    | 55 Gallon Drum     | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored  | 0.2   | Projecte      | ed            | 0.0           | Total         | 0.2    | Final Form Stored  | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: **RF-MT0529** 

| Waste Stream Description          | N/A  |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | All waste with D001, D002, and D003 codes will be processed or repackaged prior to shipment to WIPP per Geoff Asmus. |
| Management Comments               | New Waste Stream being added to TWBIR  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

# TWBIR ID: RF-MT0533 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | RF-MT0533<br>N/A | Handling CH Stream Waste Type MTRU Generate | Name N/A |       | al Waste F  | orm N/A                      |               | Inventory Date 9/30/200 Waste Matrix Code TBD |
|-------------------|------------------|---|----------|-------|-------------|------------------------------|---------------|---|
|                   | 'A Codes         | Waste Material Para                         |          |       | u. 114010 1 | Final Waste Form Descriptors | TRUCON Codes  | No Final Form                                 |
| As-0              | Generated        | Material Parameter                          | Average  | Lower | Upper       | Category: Defense TRU Waste  | N/A           | Radionuclides Provided                        |
|                   | D010, D022,      | Iron-Base Metal/Alloys                      | 0.00     | 0.00  | 0.00        | Residues: N/A                | <del></del>   |   |
|                   | D029, D043,      | Aluminum-Base Metal/Alloys                  | 0.00     | 0.00  | 0.00        |                              | <del>- </del> |   |
| F001,             | F002, F005       | Other Metal/Alloys                          | 0.00     | 0.00  | 0.00        | Asbestos: N/A                | <b>⊒</b>      |   |
|                   |                  | Other Inorganic Materials                   | 0.00     | 0.00  | 0.00        | PCBs: N/A                    |               |   |
|                   |                  | Cellulosics                                 | 0.00     | 0.00  | 0.00        | Source: N/A                  |               |   |
|                   |                  | Rubber                                      | 0.00     | 0.00  | 0.00        |                              | <del></del>   |   |
|                   |                  | Plastics                                    | 0.00     | 0.00  | 0.00        |                              |               |   |
|                   |                  | Solidified, Inorganic Matrix                | 0.00     | 0.00  | 0.00        |                              |               |   |
|                   |                  | Cement (Solidified)                         | 0.00     | 0.00  | 0.00        |                              |               |   |
|                   |                  | Vitrified                                   | 0.00     | 0.00  | 0.00        |                              |               |   |
|                   |                  | Solidified, Organic Matrix                  | 0.00     | 0.00  | 0.00        |                              |               |   |
|                   |                  | Soils                                       | 0.00     | 0.00  | 0.00        |                              |               |   |
|                   |                  | Packaging Material, Steel                   | 0.00     | I     |             |                              |               |   |
|                   |                  | Packaging Material, Plastic                 | 0.00     |       |             |                              |               |   |
|                   |                  | Packaging Material, Lead                    | 0.00     |       |             |                              |               |   |
|                   |                  | Packaging Material, Steel Plug              | 0.00     |       |             |                              |               |   |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0533 |                    |               |               |               |       |                   |                   |               |               |               |               |       |
|---------------------|---|--------------------|---------------|---------------|---------------|-------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | Final Form Volumes |               |               |               |       |                   |                   |               |               |               |               |       |
|                     | Stored Projected  |                    |               |               |               |       | Stored Projecte   |                   | ected         | cted          |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006      | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 8804 Can            | 0.1   | 0.0                | 0.0           | 0.0           | 0.0           | 0.1   | 55 Gallon Drum    | 3.1               | 0.0           | 0.0           | 0.0           | 0.0           | 3.1   |
| As-Generated Stored | 0.1   | Projecto           | ed            | 0.0           | Total         | 0.1   | Final Form Stored | 3.1               | Projecte      | ed            | 0.0           | Total         | 3.1   |

TWBIR ID: RF-MT0533

| Waste Stream Description          | N/A                                   |
|-----------------------------------|---------------------------------------|
| Waste Stream Source Description   | N/A                                   |
| <b>Current Container Comments</b> | N/A                                   |
| EPA Comments                      | N/A                                   |
| Management Comments               | New Waste Stream being added to TWBIR |
| Acceptance Comments               | N/A                                   |
| Final Form Comments               | N/A                                   |

#### TWBIR ID: RF-MT0535

| HQ ID                                 |                                | Name N/A   | Fin   | nal Waste I | Form N/A                     |              | Inventory Date 9/30/2002 Waste Matrix Code TBD |
|---------------------------------------|--------------------------------|------------|-------|-------------|------------------------------|--------------|--|
| EPA Codes                             | Waste Material Para            | meters (kg | /m3)  |             | Final Waste Form Descriptors | TRUCON Codes | No Final Form                                  |
| As-Generated                          | Material Parameter             | Average    | Lower | Upper       | Category: Defense TRU Waste  | N/A          | Radionuclides Provided                         |
| D004, D005, D006,                     | Iron-Base Metal/Alloys         | 0.00       | 0.00  | 0.00        | Residues: N/A                | <u> </u>     |  |
| D007, D008, D009,                     | Aluminum-Base Metal/Alloys     | 0.00       | 0.00  | 0.00        |                              | ╡            |  |
| D010, D011, F001,<br>F002, F003, F005 | Other Metal/Alloys             | 0.00       | 0.00  | 0.00        | Asbestos: N/A                | ╡            |  |
| . 002, . 000, . 000                   | Other Inorganic Materials      | 0.00       | 0.00  | 0.00        | PCBs: N/A                    |              |  |
|                                       | Cellulosics                    | 0.00       | 0.00  | 0.00        | Source: N/A                  |              |  |
|                                       | Rubber                         | 0.00       | 0.00  | 0.00        | ·                            | <del>_</del> |  |
|                                       | Plastics                       | 0.00       | 0.00  | 0.00        |                              |              |  |
|                                       | Solidified, Inorganic Matrix   | 0.00       | 0.00  | 0.00        |                              |              |  |
|                                       | Cement (Solidified)            | 0.00       | 0.00  | 0.00        |                              |              |  |
|                                       | Vitrified                      | 0.00       | 0.00  | 0.00        |                              |              |  |
|                                       | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00        |                              |              |  |
|                                       | Soils                          | 0.00       | 0.00  | 0.00        |                              |              |  |
|                                       | Packaging Material, Steel      | 0.00       | •     |             |                              |              |  |
|                                       | Packaging Material, Plastic    | 0.00       |       |             |                              |              |  |
|                                       | Packaging Material, Lead       | 0.00       |       |             |                              |              |  |
|                                       | Packaging Material, Steel Plug | 0.00       |       |             |                              |              |  |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0535 |                    |               |               |               |       |                   |                   |               |               |               |               |       |
|---------------------|---|--------------------|---------------|---------------|---------------|-------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | Final Form Volumes |               |               |               |       |                   |                   |               |               |               |               |       |
|                     | Stored  |                    | Proje         | ected         |               |       |                   | Stored            |               | Proje         | ected         |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006      | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 8804 Can            | 0.0   | 0.0                | 0.0           | 0.0           | 0.0           | 0.0   | 55 Gallon POCs    | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6   |
| As-Generated Stored | 0.0   | Projecte           | ed            | 0.0           | Total         | 0.0   | Final Form Stored | 0.6               | Projecto      | ed            | 0.0           | Total         | 0.6   |

TWBIR ID: **RF-MT0535** 

| Waste Stream Description          | N/A  |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | All waste with D001, D002, and D003 codes will be processed or repackaged prior to shipment to WIPP per Geoff Asmus. |
| Management Comments               | New Waste Stream being added to TWBIR  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

# TWBIR ID: RF-MT0828 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

0.00

| HQ ID RF-W013                                | Handling CH Stream           | Name Solid | lified Orga | anics/TRM |                              |              | Inventory Date 9/30/2002 |
|--|------------------------------|------------|-------------|-----------|------------------------------|--------------|--------------------------|
| Local ID N/A                                 | Waste Type MTRU Generate     | or Site RF | Fir         | nal Waste | Form Solidified Inorganics   |              | Waste Matrix Code S3190  |
| <b>EPA Codes</b>                             | Waste Material Para          | meters (kg | /m3)        |           | Final Waste Form Descriptors | TRUCON Codes | No Final Form            |
| As-Generated                                 | Material Parameter           | Average    | Lower       | Upper     | Category: Defense TRU Waste  | 127          | Radionuclides Provided   |
| D004, D005, D009,                            | Iron-Base Metal/Alloys       | 0.00       | 0.00        | 0.00      | Residues: N/A                | Ī            |                          |
| D010, F001, F002,<br>F005, F006, F007, F009, | Aluminum-Base Metal/Alloys   | 0.00       | 0.00        | 0.00      | Asbestos: N                  | <u> </u>     |                          |
| P030, P098, P099,                            | Other Metal/Alloys           | 0.00       | 0.00        | 0.00      |                              | <u> </u>     |                          |
| P106, U003, U103, U108                       | Other Inorganic Materials    | 0.00       | 0.00        | 0.00      | PCBs: N                      |              |                          |
|  | Cellulosics                  | 0.00       | 0.00        | 0.00      | Source: Decontamination and  | 1            |                          |
|  | Rubber                       | 0.00       | 0.00        | 0.00      | Decommissioning              | 1            |                          |
|  | Plastics                     | 0.00       | 0.00        | 0.00      |                              |              |                          |
|  | Solidified, Inorganic Matrix | 0.00       | 0.00        | 0.00      |                              |              |                          |
|  | Cement (Solidified)          | 0.00       | 0.00        | 0.00      |                              |              |                          |
|  | Vitrified                    | 0.00       | 0.00        | 0.00      |                              |              |                          |
|  | Solidified, Organic Matrix   | 0.00       | 0.00        | 0.00      |                              |              |                          |
|  | Soils                        | 0.00       | 0.00        | 0.00      |                              |              |                          |
|  | Packaging Material, Steel    | 0.00       | -           |           |                              |              |                          |
|  | Packaging Material, Plastic  | 0.00       |             |           |                              |              |                          |
|  | Packaging Material, Lead     | 0.00       |             |           |                              |              |                          |

|               |                      |                   |               | ,             | Waste Vo      | lume Deta     | il (Cubic me | ete         | ers) for TWBIR ID : RF | -MT0828 | 3                 |               |               |               |               |       |  |
|---------------|----------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-------------|------------------------|---------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|               | As-Generated Volumes |                   |               |               |               |               |              |             | Final Form Volumes     |         |                   |               |               |               |               |       |  |
|               | Stored Projected     |                   |               |               |               |               | ĪĪ           |             |                        | Stored  |                   | Proje         | ected         |               |               |       |  |
| ContainerType |                      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerTy |                        | e       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| TBD           |                      | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0          | 1 [         | TBD                    |         | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |  |
| As-Generated  | Stored               | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0          | F           | Final Form             | Stored  | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   |  |

Packaging Material, Steel Plug

TWBIR ID: RF-MT0828

| Waste Stream Description          | Polymerized aqueous - drum consists of 55-gallon drum quantities of aqueous liquids solidified with polymer such as Nochar A-660.   |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |
| EPA Comments                      | EPA hazardous waste numbers are assigned to this waste stream based on process knowledge.   |
| Management Comments               | New Waste Stream being added to TWBIR   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |

### TWBIR ID: RF-MT0829 Annex I

#### TRU WASTE BASELINE INVENTORY WASTE PROFILE

RF-W013 CH Stream Name Solidified Organics/TRM Inventory Date 9/30/2002 Handling HQ ID Waste Type MTRU Generator Site Local ID N/A RF Final Waste Form Solidified Inorganics **Waste Matrix Code** S3190 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste 127 As-Generated **Material Parameter** Average Lower Upper D004, D005, D009, Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: N/A D010, F001, F002, Aluminum-Base Metal/Alloys 0.00 0.00 0.00 F005, F006, F007, F009 Asbestos: N Other Metal/Alloys 0.00 0.00 0.00 PCBs: N Other Inorganic Materials 0.00 0.00 0.00 0.00 0.00 Source: Decontamination and Cellulosics 0.00 Decommissioning 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 0.00 0.00 0.00 Solidified, Inorganic Matrix Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 0.00 Packaging Material, Plastic 0.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                     |                      |               |               | Waste Vo      | lume Deta     | il (Cubic me | eters) for TWBIR   | ID : RF-MT082 | 9                 |               |               |               |               |       |
|---------------------|----------------------|---------------|---------------|---------------|---------------|--------------|--------------------|---------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Generated Volumes |               |               |               |               |              | Final Form Volumes |               |                   |               |               |               |               |       |
|                     | Stored Projected     |               |               |               |               |              | Stored Projected   |               |                   |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001    | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | I ContainerType    |               | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| TBD                 | 0.0                  | 0.0           | 0.0           | 0.0           | 0.0           | 0.0          | TBD                |               | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated Stored | 0.0                  | Project       | ed            | 0.0           | Total         | 0.0          | Final Form         | Stored        | 0.0               | Projecto      | ed            | 0.0           | Total         | 0.0   |

TWBIR ID: **RF-MT0829** 

| Waste Stream Description        | Polymerized aqueous - small cans consists of small quantities of aqueous liquids solidified with polymer such as Nochar A-660.  |
|---------------------------------|---|
| Waste Stream Source Description | N/A   |
| Current Container Comments      | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |
| EPA Comments                    | EPA hazardous waste numbers are assigned to this waste stream based on process knowledge.   |
| Management Comments             | New Waste Stream being added to TWBIR   |
| Acceptance Comments             | N/A   |
| Final Form Comments             | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |

## TWBIR ID: RF-TT0394 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|  |  | 1110 117   | OIL DA | OLLINE | INVENTORY WASTE I ROTTLE       |              |  |
|--|--|------------|--------|--------|--------------------------------|--------------|--|
| HQ ID         RF-W116           Local ID         N/A | Handling CH Stream Waste Type TRU Generate | Name "San  |        |        | /TRU"  orm Inorganic Non-Metal |              | Inventory Date 9/30/2002 Waste Matrix Code S5129 |
| EPA Codes  | Waste Material Para                        | meters (kg | /m3)   |        | Final Waste Form Descriptors   | TRUCON Codes | No Final Form                                    |
| As-Generated   | Material Parameter                         | Average    | Lower  | Upper  | Category: Defense TRU Waste    | 122          | Radionuclides Provided                           |
| N/A  | Iron-Base Metal/Alloys                     | 26.82      | 5.73   | 57.28  | Residues: N/A                  |              |  |
|  | Aluminum-Base Metal/Alloys                 | 0.00       | 0.00   | 0.00   |                                | =            |  |
|  | Other Metal/Alloys                         | 0.00       | 0.00   | 0.00   | Asbestos: N                    |              |  |
|  | Other Inorganic Materials                  | 25.48      | 4.30   | 45.83  | PCBs: N                        |              |  |
|  | Cellulosics                                | 167.07     | 167.07 | 167.07 | Source: Materials Production   |              |  |
|  | Rubber                                     | 0.00       | 0.00   | 0.00   |                                |              |  |
|  | Plastics                                   | 0.00       | 0.00   | 0.00   |                                |              |  |
|  | Solidified, Inorganic Matrix               | 0.00       | 0.00   | 0.00   |                                |              |  |
|  | Cement (Solidified)                        | 0.00       | 0.00   | 0.00   |                                |              |  |
|  | Vitrified                                  | 0.00       | 0.00   | 0.00   |                                |              |  |
|  | Solidified, Organic Matrix                 | 0.00       | 0.00   | 0.00   |                                |              |  |
|  | Soils                                      | 0.00       | 0.00   | 0.00   |                                |              |  |
|  | Packaging Material, Steel                  | 0.00       |        |        |                                |              |  |
|  | Packaging Material, Plastic                | 0.00       |        |        |                                |              |  |
|  | Packaging Material, Lead                   | 0.00       |        |        |                                |              |  |

|                     |                      |               |               | Waste Vo      | lume Deta     | ail (Cubic m | eters) for TWBIR ID : RF-TT0394 |                   |               |               |               |               |       |  |
|---------------------|----------------------|---------------|---------------|---------------|---------------|--------------|---------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                     | As-Generated Volumes |               |               |               |               |              | Final Form Volumes              |                   |               |               |               |               |       |  |
|                     | Stored Projected     |               |               |               |               |              | Stored Projected                |                   |               |               |               |               |       |  |
| ContainerType       | End of<br>CY 2001    | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| TBD                 | 0.0                  | 0.0           | 0.0           | 0.0           | 0.0           | 0.0          | TBD                             | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |  |
| As-Generated Stored | 0.0                  | Projecte      | ed            | 0.0           | Total         | 0.0          | Final Form Stored               | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   |  |

Packaging Material, Steel Plug

0.00

TWBIR ID: RF-TT0394

| Waste Stream Description          | "Magnesium oxide sand used as an insulating material in the annulus between the magnesium oxide crucible and the reaction vessel wall. Following the reduction of plutonium tetrafluoride to plutonium metal, the sand was screened from the slag and crucible material." |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD."   |
| EPA Comments                      | N/A   |
| Management Comments               | Waste Stream currently exists in the TWBIR as a residue, (i.e., RF-TRXXXX), but is being revised to transuranic, (i.e., RF-TTXXXX).   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD."   |

#### TWBIR ID: RF-TT0533

| HQ ID RF-TT0533<br>Local ID N/A | Handling CH Stream Waste Type TRU Generate | Name N/A<br>or Site RF | Fin   | nal Waste  | Form N/A                     |              | Inventory Date 9/30/2002 Waste Matrix Code TBD |
|---------------------------------|--|------------------------|-------|------------|------------------------------|--------------|--|
| EPA Codes                       | Waste Material Para                        | meters (kg             | /m3)  |            | Final Waste Form Descriptors | TRUCON Codes | No Final Form                                  |
| As-Generated                    | Material Parameter                         | Average                | Lower | Upper      | Category: Defense TRU Waste  | N/A          | Radionuclides Provided                         |
| N/A                             | Iron-Base Metal/Alloys                     | 0.00                   | 0.00  | 0.00       | Residues: N/A                |              |  |
|                                 | Aluminum-Base Metal/Alloys                 | 0.00                   | 0.00  | 0.00       |                              | ╡            |  |
|                                 | Other Metal/Alloys                         | 0.00                   | 0.00  | 0.00       |                              | <u>_</u>     |  |
|                                 | Other Inorganic Materials                  | 0.00                   | 0.00  | 0.00       | PCBs: N/A                    |              |  |
|                                 | Cellulosics                                | 0.00                   | 0.00  | 0.00       | Source: N/A                  |              |  |
|                                 | Rubber                                     | 0.00                   | 0.00  | 0.00       |                              |              |  |
|                                 | Plastics                                   | 0.00                   | 0.00  | 0.00       |                              |              |  |
|                                 | Solidified, Inorganic Matrix               | 0.00                   | 0.00  | 0.00       |                              |              |  |
|                                 | Cement (Solidified)                        | 0.00                   | 0.00  | 0.00       |                              |              |  |
|                                 | Vitrified                                  | 0.00                   | 0.00  | 0.00       |                              |              |  |
|                                 | Solidified, Organic Matrix                 | 0.00                   | 0.00  | 0.00       |                              |              |  |
|                                 | Soils                                      | 0.00                   | 0.00  | 0.00       |                              |              |  |
|                                 | Packaging Material, Steel                  | 0.00                   |       | ll entered |                              |              |  |
|                                 | Packaging Material, Plastic                | 0.00                   |       |            |                              |              |  |
|                                 | Packaging Material, Lead                   | 0.00                   |       |            |                              |              |  |
|                                 | Packaging Material, Steel Plug             | 0.00                   |       |            |                              |              |  |

|                     |                      |               |               | Waste Vo      | lume Deta     | il (Cubic m | eters) for TWBIR ID | : RF-TT0533 | 3                 |               |               |               |               |       |
|---------------------|----------------------|---------------|---------------|---------------|---------------|-------------|---------------------|-------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Generated Volumes |               |               |               |               |             | Final Form Volumes  |             |                   |               |               |               |               |       |
|                     | Stored Projected     |               |               |               |               |             | Stored Projected    |             |                   |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001    | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total       | ContainerType       |             | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 8804 Can            | 0.0                  | 0.0           | 0.0           | 0.0           | 0.0           | 0.0         | 55 Gallon Drum      |             | 0.8               | 0.0           | 0.0           | 0.0           | 0.0           | 0.8   |
| As-Generated Stored | 0.0                  | Projecte      | ed            | 0.0           | Total         | 0.0         | Final Form          | Stored      | 0.8               | Projecto      | ed            | 0.0           | Total         | 0.8   |

TWBIR ID: RF-TT0533

| Waste Stream Description          | N/A                                   |
|-----------------------------------|---------------------------------------|
| Waste Stream Source Description   | N/A                                   |
| <b>Current Container Comments</b> | N/A                                   |
| EPA Comments                      | N/A                                   |
| Management Comments               | New Waste Stream being added to TWBIR |
| Acceptance Comments               | N/A                                   |
| Final Form Comments               | N/A                                   |

#### Annex I **TWBIR ID: RF-TT0655**

# TRU WASTE BASELINE INVENTORY WASTE PROFILE

0.00

0.00

| HQ ID RF-W114<br>Local ID N/A | _ <u> </u>                   | Name Mg C    |       |        | Form Inorganic Non-Metal     |              | Inventory Date 9/30/2002 Waste Matrix Code S5123 |
|-------------------------------|------------------------------|--------------|-------|--------|------------------------------|--------------|--|
| <b>EPA Codes</b>              | Waste Material Para          | ameters (kg/ | m3)   |        | Final Waste Form Descriptors | TRUCON Codes | No Final Form                                    |
| As-Generated                  | Material Parameter           | Average      | Lower | Upper  | Category: Defense TRU Waste  | 118          | Radionuclides Provided                           |
| N/A                           | Iron-Base Metal/Alloys       | 6.70         | 1.91  | 19.09  | Residues: N/A                |              |  |
|                               | Aluminum-Base Metal/Alloys   | 0.00         | 0.00  | 0.00   | Asbestos: N/A                | ╡            |  |
|                               | Other Metal/Alloys           | 90.70        | 90.70 | 90.70  |                              | <u> </u>     |  |
|                               | Other Inorganic Materials    | 113.57       | 1.91  | 654.91 | PCBs: N/A                    |              |  |
|                               | Cellulosics                  | 102.83       | 12.89 | 167.07 | Source: N/A                  |              |  |
|                               | Rubber                       | 0.00         | 0.00  | 0.00   | •                            | <u> </u>     |  |
|                               | Plastics                     | 36.16        | 7.35  | 90.69  |                              |              |  |
|                               | Solidified, Inorganic Matrix | 0.00         | 0.00  | 0.00   |                              |              |  |
|                               | Cement (Solidified)          | 0.00         | 0.00  | 0.00   |                              |              |  |
|                               | Vitrified                    | 0.00         | 0.00  | 0.00   |                              |              |  |
|                               | Solidified, Organic Matrix   | 0.00         | 0.00  | 0.00   |                              |              |  |
|                               | Soils                        | 0.00         | 0.00  | 0.00   |                              |              |  |
|                               | Packaging Material, Steel    | 0.00         | •     | •      |                              |              |  |
|                               | Packaging Material, Plastic  | 0.00         |       |        |                              |              |  |

|                    | Waste Volume Detail (Cubic meters) for TWBIR ID : RF-TT0655 |               |               |               |               |       |                    |        |                   |               |               |               |               |       |
|--------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                    | As-Generated Volumes  |               |               |               |               |       | Final Form Volumes |        |                   |               |               |               |               |       |
|                    | Stored Projected  |               |               |               |               |       | Stored Projected   |        |                   |               |               |               |               |       |
| ContainerType      | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| TBD                | 0.0   | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   | TBD                |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated Store | <b>ed</b> 0.0   | Projecte      | ed            | 0.0           | Total         | 0.0   | Final Form         | Stored | 0.0               | Project       | ed            | 0.0           | Total         | 0.0   |

Packaging Material, Lead

Packaging Material, Steel Plug

TWBIR ID: RF-TT0655

| Waste Stream Description          | N/A   |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |

Annex I **TWBIR ID: RF-TT0971** 

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

RF-W109 CH Stream Name Metal/TRU Inventory Date 9/30/2002 HQ ID Handling TRU Final Waste Form Uncategorized Metal Local ID N/A Waste Type Generator Site RF **Waste Matrix Code** S5110 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste As-Generated **Material Parameter** Average Lower Upper N/A N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: N/A Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N Other Metal/Alloys 0.00 0.00 0.00 PCBs: N Other Inorganic Materials 0.00 0.00 0.00 0.00 0.00 Source: General Building Waste and Cellulosics 0.00 Decommissioning 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 Solidified, Inorganic Matrix 0.00 0.00 0.00 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 0.00 Packaging Material, Plastic 0.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                      | Waste Volume Detail (Cubic meters) for TWBIR ID : RF-TT0971 |                   |               |               |               |               |       |                    |                   |                   |               |               |               |               |       |
|----------------------|---|-------------------|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes |   |                   |               |               |               |               |       | Final Form Volumes |                   |                   |               |               |               |               |       |
|                      |   | Stored            |               | Proje         | ected         |               |       |                    |                   | Stored            |               | Projected     |               |               |       |
| ContainerTy          | ре  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |                    | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| TBD                  |   | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |                    | TBD               | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated         | Stored  | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   | ]                  | Final Form Stored | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   |

TWBIR ID: RF-TT0971

| Waste Stream Description          | Non-PCB ballasts and capacitors.  |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |
| EPA Comments                      | N/A   |
| Management Comments               | New Waste Stream being added to TWBIR   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |

## TWBIR ID: RF-TT0972 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | RF-W107<br>N/A | Handling CH Stream Waste Type TRU Generate | Inventory Date 9/30/20 Waste Matrix Code S5440 |                  |             |                              |              |                        |  |  |
|-------------------|----------------|--|--|------------------|-------------|------------------------------|--------------|------------------------|--|--|
| EP                | A Codes        | Waste Material Para                        | meters (kg                                     | /m3)             |             | Final Waste Form Descriptors | TRUCON Codes | No Final Form          |  |  |
| As-0              | Generated      | Material Parameter                         | Average Lower Up                               |                  | Upper       | Category: Defense TRU Waste  | N/A          | Radionuclides Provided |  |  |
|                   | N/A            | Iron-Base Metal/Alloys                     | 0.00   | 0.00             | 0.00        | Residues: N/A                | <u> </u>     |                        |  |  |
|                   |                | Aluminum-Base Metal/Alloys                 | 0.00   | 0.00             | 0.00        |                              | ╡            |                        |  |  |
|                   |                | Other Metal/Alloys                         | 0.00   | .00 0.00 0.00 AS | Asbestos: N |                              |              |                        |  |  |
|                   |                | Other Inorganic Materials                  | 0.00   | 0.00             | 0.00        | PCBs: Y                      |              |                        |  |  |
|                   |                | Cellulosics                                | 0.00   | 0.00             | 0.00        | Source: Decontamination and  |              |                        |  |  |
|                   |                | Rubber                                     | 0.00   | 0.00             | 0.00        | Decommissioning              |              |                        |  |  |
|                   |                | Plastics                                   | 0.00   | 0.00             | 0.00        |                              |              |                        |  |  |
|                   |                | Solidified, Inorganic Matrix               | 0.00   | 0.00             | 0.00        |                              |              |                        |  |  |
|                   |                | Cement (Solidified)                        | 0.00   | 0.00             | 0.00        |                              |              |                        |  |  |
|                   |                | Vitrified                                  | 0.00   | 0.00             | 0.00        |                              |              |                        |  |  |
|                   |                | Solidified, Organic Matrix                 | 0.00   | 0.00             | 0.00        |                              |              |                        |  |  |
|                   |                | Soils                                      | 0.00   | 0.00             | 0.00        |                              |              |                        |  |  |
|                   |                | Packaging Material, Steel                  | 0.00   |                  |             |                              |              |                        |  |  |
|                   |                | Packaging Material, Plastic                | 0.00   |                  |             |                              |              |                        |  |  |
|                   |                | Packaging Material, Lead                   | 0.00   |                  |             |                              |              |                        |  |  |
|                   |                | Packaging Material Steel Plug              | 0.00   |                  |             |                              |              |                        |  |  |

|                | Waste Volume Detail (Cubic meters) for TWBIR ID : RF-TT0972 |                   |               |               |               |               |       |            |            |        |                   |               |               |               |               |       |
|----------------|---|-------------------|---------------|---------------|---------------|---------------|-------|------------|------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                |   | As-Gen            | erated Vo     | lumes         |               |               |       |            |            |        | Final F           | orm Volu      | mes           |               |               |       |
|                | Stored Projected  |                   |               |               |               |               |       |            |            |        | Stored            | Projected     |               |               |               |       |
| ContainerType  |   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | Соі        | ntainerTyp | е      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| TBD            |   | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   | TBD        |            |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated S | Stored  | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   | Final Form | · [        | Stored | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   |

TWBIR ID: RF-TT0972

| Waste Stream Description          | "Miscellaneous PCB debris consists of such materials as wood, Kimwipes, plastic, PPE, glass bottles, and solidified liquid."  |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |
| EPA Comments                      | N/A   |
| Management Comments               | New Waste Stream being added to TWBIR   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |

## TWBIR ID: RF-TT0973 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID RF-W109<br>Local ID N/A |                                | Name Meta  |       | al Waste | Form Uncategorized Metal                  | Inventory Date 9/30/2002 Waste Matrix Code S5110 |
|-------------------------------|--------------------------------|------------|-------|----------|---|--|
| <b>EPA Codes</b>              | Waste Material Para            | meters (kg | /m3)  |          | Final Waste Form Descriptors TRUCON Codes | No Final Form                                    |
| As-Generated                  | Material Parameter             | Average    | Lower | Upper    | Category: Defense TRU Waste N/A           | Radionuclides Provided                           |
| N/A                           | Iron-Base Metal/Alloys         | 0.00       | 0.00  | 0.00     | Residues: N/A                             |  |
|                               | Aluminum-Base Metal/Alloys     | 0.00       | 0.00  | 0.00     | Asbestos: N                               |  |
|                               | Other Metal/Alloys             | 0.00       | 0.00  | 0.00     |   |  |
|                               | Other Inorganic Materials      | 0.00       | 0.00  | 0.00     | PCBs: Y                                   |  |
|                               | Cellulosics                    | 0.00       | 0.00  | 0.00     | Source: General Building Waste and        |  |
|                               | Rubber                         | 0.00       | 0.00  | 0.00     | Decommissioning                           |  |
|                               | Plastics                       | 0.00       | 0.00  | 0.00     |   |  |
|                               | Solidified, Inorganic Matrix   | 0.00       | 0.00  | 0.00     |   |  |
|                               | Cement (Solidified)            | 0.00       | 0.00  | 0.00     |   |  |
|                               | Vitrified                      | 0.00       | 0.00  | 0.00     |   |  |
|                               | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00     |   |  |
|                               | Soils                          | 0.00       | 0.00  | 0.00     |   |  |
|                               | Packaging Material, Steel      | 0.00       | •     | •        |   |  |
|                               | Packaging Material, Plastic    | 0.00       |       |          |   |  |
|                               | Packaging Material, Lead       | 0.00       |       |          |   |  |
|                               | Packaging Material, Steel Plug | 0.00       |       |          |   |  |

|                     |                   |               |               | Waste Vo      | lume Deta     | ail (Cubic m | ete | ers) for TWBIR ID : RF-TT0973 | 3                 |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-----|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |              |     | Final Form Volumes            |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               |              |     |                               | Stored Projected  |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        |     | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| TBD                 | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0          | 1 [ | TBD                           | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated Stored | 0.0               | Projecto      | ed            | 0.0           | Total         | 0.0          | ]   | Final Form Stored             | 0.0               | Project       | ed            | 0.0           | Total         | 0.0   |

TWBIR ID: RF-TT0973

| Waste Stream Description          | "This waste stream consists of PCB ballasts and capacitors, leaking and non-leaking."   |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |
| EPA Comments                      | N/A   |
| Management Comments               | New Waste Stream being added to TWBIR   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | The site has indicated that they have no further waste volume information for this waste stream at this time. Therefore, the waste volumes for the as generated and final form fields are flagged with "TBD." |

### TWBIR ID: RL-W284 Annex I TRII WASTE BASELINE INVENTORY W

0.00

0.00

|                   |                |                              | TRU WA                  | STE BA | SELINE   | INVENTORY WASTE PROFILE       |              |                       |                                     |
|-------------------|----------------|------------------------------|-------------------------|--------|----------|-------------------------------|--------------|-----------------------|-------------------------------------|
| HQ ID<br>Local ID | RL-W284<br>N/A | <u> </u>                     | Name 2010<br>or Site RL |        | n CH RCR | A MTRU w/ met                 |              | Invento<br>Waste Matr | ory Date 9/30/2002<br>ix Code U9999 |
| EP.               | A Codes        | Waste Material Para          | ameters (kg             | /m3)   |          | Final Waste Form Descriptors  | TRUCON Codes | Final Form            | Radionuclides                       |
| As-G              | Senerated      | Material Parameter           | Average                 | Lower  | Upper    | Category: Defense TRU Waste   | N/A          |                       | Typical                             |
| D007,             | D008, D010     | Iron-Base Metal/Alloys       | 41.00                   | 0.00   | 0.00     | Residues: No                  |              | lastona               | Concentration                       |
|                   |                | Aluminum-Base Metal/Alloys   | 0.00                    | 0.00   | 0.00     | Achastas                      | ╡            | Isotope               | (Ci/m3)                             |
|                   |                | Other Metal/Alloys           | 3.10                    | 0.00   | 0.00     | Asbestos: No                  | ⊒            | Am-241                | 2.47E+00                            |
|                   |                | Other Inorganic Materials    | 0.00                    | 0.00   | 0.00     | PCBs: No                      |              | Pu-239                | 1.00E-02                            |
|                   |                | Cellulosics                  | 17.20                   | 0.00   | 0.00     | Source: Remediation/D&D Waste |              | Pu-240                | 0.00E+00                            |
|                   |                | Rubber                       | 4.50                    | 0.00   | 0.00     | <u> </u>                      | _            | Pu-241                | 8.00E-02                            |
|                   |                | Plastics                     | 30.20                   | 0.00   | 0.00     |                               |              |                       |                                     |
|                   |                | Solidified, Inorganic Matrix | 0.00                    | 0.00   | 0.00     |                               |              |                       |                                     |
|                   |                | Cement (Solidified)          | 0.00                    | 0.00   | 0.00     |                               |              |                       |                                     |
|                   |                | Vitrified                    | 0.00                    | 0.00   | 0.00     |                               |              |                       |                                     |
|                   |                | Solidified, Organic Matrix   | 0.00                    | 0.00   | 0.00     |                               |              |                       |                                     |
|                   |                | Soils                        | 0.00                    | 0.00   | 0.00     |                               |              |                       |                                     |
|                   |                | Packaging Material, Steel    | 131.00                  |        |          |                               |              |                       |                                     |
|                   |                | Packaging Material, Plastic  | 37.00                   |        |          |                               |              |                       |                                     |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W284 |               |               |               |               |       |       |            |                    |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|-------|------------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       |       |            | Final Form Volumes |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               |       |       |            |                    | Stored            |               | Projected     |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |       | ContainerT | уре                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 0.4   | 0.0           | 0.0           | 0.0           | 0.0           | 0.4   | 55 Ga | allon Drum |                    | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4   |
| As-Generated Stored | 0.4   | Projecte      | ed            | 0.0           | Total         | 0.4   | Final | Form       | Stored             | 0.4               | Projecte      | ed            | 0.0           | Total         | 0.4   |

Packaging Material, Lead
Packaging Material, Steel Plug

TWBIR ID: RL-W284

| Waste Stream Description          | THE STREAM CONTAINS PLASTIC/POLYURETHANE, STAINLESS STEEL, PAPER/CARDBOARD, RUBBER, LEAD, CLOTH/RAGS/NYLON.   |
|-----------------------------------|---|
| Waste Stream Source Description   | This stream is unknown waste form contact handled RCRA regulated mixed TRU waste with metal contaminants from the Demolition of the Semi-works facility.  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.  |
| Management Comments               | The assumption is that the WIPP No Migration Petition will be approved by EPA and the State of New Mexico. Under the assumption, treatment of the waste stream to meet LDR is not required nor planned. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

### TWBIR ID: RL-W327 Annex I

0.00

0.00

1.20 0.00

0.00

154.00

0.00

0.00

0.00

0.00

|                   |                              |                                      | TRU WA      | SIEBA | ASELINE | INVENTORY    | WASTE PROFILE                |              |            |               |
|-------------------|------------------------------|--------------------------------------|-------------|-------|---------|--------------|------------------------------|--------------|------------|---------------|
| HQ ID<br>Local ID | Invento<br>Waste Matr        | ory Date 9/30/2002<br>rix Code S5400 |             |       |         |              |                              |              |            |               |
| EP                | A Codes                      | Waste Material Para                  | ameters (kg | /m3)  |         | Final Was    | ste Form Descriptors         | TRUCON Codes | Final Form | Radionuclides |
| As-Generated      |                              | Material Parameter                   | Average     | Lower | Upper   | Category: De | efense TRU Waste             | N/A          |            | Typical       |
| D006, I           | D008, D009                   | Iron-Base Metal/Alloys               | 198.10      | 0.00  | 0.00    | Residues: No | 0                            | <u></u>      | lastone    | Concentration |
|                   |                              | Aluminum-Base Metal/Alloys           | 0.00        | 0.00  | 0.00    |              |                              |              | Isotope    | (Ci/m3)       |
|                   |                              | Other Metal/Alloys                   | 21.70       | 0.00  | 0.00    | Asbestos: No |                              | <u> </u>     | Am-241     | 8.00E-02      |
|                   |                              | Other Inorganic Materials            | 16.70       | 0.00  | 0.00    | PCBs: Ye     | Facility/Equipment Operation |              | Pu-239     | 1.86E+00      |
|                   |                              | Cellulosics                          | 3.30        | 0.00  | 0.00    |              |                              |              | Pu-240     | 4.20E-01      |
|                   |                              | Rubber                               | 0.00        | 0.00  | 0.00    | an           | nd Maintenance Waste         | ļ            | Pu-241     | 1.25E+01      |
|                   |                              | Plastics                             | 15.90       | 0.00  | 0.00    |              |                              |              |            |               |
|                   | Solidified, Inorganic Matrix | 0.00                                 | 0.00        | 0.00  |         |              |                              |              |            |               |
|                   |                              | Cement (Solidified)                  | 0.00        | 0.00  | 0.00    |              |                              |              |            |               |
|                   |                              | Vitrified                            | 0.00        | 0.00  | 0.00    |              |                              |              |            |               |

|               | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W327 |                   |               |               |               |               |       |                    |                   |               |               |               |               |       |
|---------------|---|-------------------|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|               |   | As-Gene           | erated Vol    | umes          |               |               |       |                    | Final F           | orm Volu      | mes           |               |               |       |
|               | Stored Projected  |                   |               |               |               |               |       |                    | Stored Projected  |               |               |               |               |       |
| ContainerType | •   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Вох           |   | 66.6              | 93.2          | 66.6          | 53.3          | 0.0           | 452.9 | Standard Waste Box | 66.2              | 0.0           | 0.0           | 0.0           | 0.0           | 175.8 |
| As-Generated  | Stored  | 66.6              | Projecte      | ed            | 386.3         | Total         | 452.9 | Final Form Stored  | 66.2              | Projecte      | ed            | 109.6         | Total         | 175.8 |

Solidified, Organic Matrix

Soils

Packaging Material, Steel

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

TWBIR ID: RL-W327

| Waste Stream Description          | THE STREAM CONTAINS METAL/IRON/GALVANIZED/SHEET, PLASTIC/POLYURETHANE, WOOD/LUMBER/PLYWOOD, LEAD, CONCRETE, GLASS, CLOTH/RAGS/NYLON, OILS, PAPER/CARDBOARD.   |
|-----------------------------------|---|
| Waste Stream Source Description   | This stream is uncategorized metal contact handled RCRA/TSCA (PCB) reg. mixed TRU waste with metal (Hg) contaminants from the Plutonium Recovery and Processing Facility.                               |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.  |
| Management Comments               | The assumption is that the WIPP No Migration Petition will be approved by EPA and the State of New Mexico. Under the assumption, treatment of the waste stream to meet LDR is not required nor planned. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

### TWBIR ID: RL-W328 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

0.00

0.00

|                   |                |                              | 1110 117                | OIL DA | OLLINE | INVENTORT WA                          | OTETROTILE           |               |                        |                                      |
|-------------------|----------------|------------------------------|-------------------------|--------|--------|---------------------------------------|----------------------|---------------|------------------------|--------------------------------------|
| HQ ID<br>Local ID | RL-W328<br>N/A |                              | Name 2345<br>or Site RL |        |        | RC/TS MTRU w/ met(Form Lead/Cadmium M | 0,                   |               | Invento<br>Waste Matri | ory Date 9/30/2002<br>ix Code \$5300 |
| EP                | A Codes        | Waste Material Para          | ameters (kg             | /m3)   |        | Final Waste Fo                        | orm Descriptors      | TRUCON Codes  | Final Form             | Radionuclides                        |
| As-C              | Generated      | Material Parameter           | Average                 | Lower  | Upper  | Category: Defense                     | e TRU Waste          | N/A           |                        | Typical                              |
| D006,             | D008, D009     | Iron-Base Metal/Alloys       | 58.00                   | 0.00   | 0.00   | Residues: No                          |                      | <u></u>       |                        | Concentration                        |
|                   |                | Aluminum-Base Metal/Alloys   | 0.00                    | 0.00   | 0.00   |                                       |                      | <u>1</u><br>7 | Isotope                | (Ci/m3)                              |
|                   |                | Other Metal/Alloys           | 228.20                  | 0.00   | 0.00   | Asbestos: No                          |                      | <u> </u>      | Am-241                 | 8.00E-02                             |
|                   |                | Other Inorganic Materials    | 2.80                    | 0.00   | 0.00   | PCBs: Yes                             |                      |               | Pu-239                 | 1.86E+00                             |
|                   |                | Cellulosics                  | 0.00                    | 0.00   | 0.00   | Source: Facility/                     | /Equipment Operation | 1             | Pu-240                 | 4.20E-01                             |
|                   |                | Rubber                       | 0.00                    | 0.00   | 0.00   | and Ma                                | aintenance Waste     | 1             | Pu-241                 | 1.25E+01                             |
|                   |                | Plastics                     | 38.90                   | 0.00   | 0.00   |                                       |                      |               |                        |                                      |
|                   |                | Solidified, Inorganic Matrix | 0.00                    | 0.00   | 0.00   |                                       |                      |               |                        |                                      |
|                   |                | Cement (Solidified)          | 0.00                    | 0.00   | 0.00   |                                       |                      |               |                        |                                      |
|                   |                | Vitrified                    | 0.00                    | 0.00   | 0.00   |                                       |                      |               |                        |                                      |
|                   |                | Solidified, Organic Matrix   | 0.00                    | 0.00   | 0.00   |                                       |                      |               |                        |                                      |
|                   |                | Soils                        | 0.00                    | 0.00   | 0.00   |                                       |                      |               |                        |                                      |
|                   |                | Packaging Material, Steel    | 154.00                  |        |        |                                       |                      |               |                        |                                      |
|                   |                | Packaging Material, Plastic  | 1.20                    |        |        |                                       |                      |               |                        |                                      |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W328 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       |                    | Final F           | orm Volu      | ımes          |               |               |       |
|                     | Stored Projected  |               |               |               | Stored        |       | Proje              | ected             |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Box                 | 3.2   | 0.0           | 0.0           | 0.0           | 0.0           | 3.2   | Standard Waste Box | 3.8               | 0.0           | 0.0           | 0.0           | 0.0           | 3.8   |
| As-Generated Stored | 3.2   | Project       | ed            | 0.0           | Total         | 3.2   | Final Form Stored  | 3.8               | Projecto      | ed            | 0.0           | Total         | 3.8   |

Packaging Material, Lead

Packaging Material, Steel Plug

TWBIR ID: RL-W328

| Waste Stream Description          | THE STREAM CONTAINS PLASTIC/POLYURETHANE, LEAD, METAL/IRON/GALVANIZED/SHEET, GLASS.   |
|-----------------------------------|---|
| Waste Stream Source Description   | This stream is lead cadmium metal contact handled RCRA/TSCA (PCB) reg. mixed TRU waste with metal (Hg) contaminants from the Plutonium Recovery and Processing Facility.                                |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.  |
| Management Comments               | The assumption is that the WIPP No Migration Petition will be approved by EPA and the State of New Mexico. Under the assumption, treatment of the waste stream to meet LDR is not required nor planned. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

### TWBIR ID: RL-W329 Annex I TRII WASTE BASELINE INVENTORY WASTE PROFILE

0.00

0.00

|                   |                |                              | IKU WA                  | SIEBA | SELINI | INVENTORT WASTE PROFILE                      |               |                    |                                     |
|-------------------|----------------|------------------------------|-------------------------|-------|--------|--|---------------|--------------------|-------------------------------------|
| HQ ID<br>Local ID | RL-W329<br>N/A | <u> </u>                     | Name 2345<br>or Site RL |       | ŭ      | c/TS MTRU w/ ign<br>Form Solidified Organics |               | Invento Waste Matr | ory Date 9/30/2002<br>ix Code U9999 |
| EP                | A Codes        | Waste Material Para          | ameters (kg             | /m3)  |        | Final Waste Form Descriptors                 | TRUCON Codes  | Final Form         | Radionuclides                       |
| As-C              | Generated      | Material Parameter           | Average                 | Lower | Upper  | Category: Defense TRU Waste                  | N/A           |                    | Typical                             |
| D001              |                | Iron-Base Metal/Alloys       | 0.20                    | 0.00  | 0.00   | Residues: No                                 | <u> </u>      | lastana            | Concentration                       |
|                   |                | Aluminum-Base Metal/Alloys   | 0.00                    | 0.00  | 0.00   |  | <u>1</u><br>T | Isotope            | (Ci/m3)                             |
|                   |                | Other Metal/Alloys           | 0.00                    | 0.00  | 0.00   | Asbestos: No                                 | <u> </u>      | Am-241             | 8.00E-02                            |
|                   |                | Other Inorganic Materials    | 0.00                    | 0.00  | 0.00   | PCBs: Yes                                    |               | Pu-239             | 1.86E+00                            |
|                   |                | Cellulosics                  | 84.20                   | 0.00  | 0.00   | Source: Facility/Equipment Operation         |               | Pu-240             | 4.20E-01                            |
|                   |                | Rubber                       | 4.70                    | 0.00  | 0.00   | and Maintenance Waste                        | ļ             | Pu-241             | 1.25E+01                            |
|                   |                | Plastics                     | 71.30                   | 0.00  | 0.00   |  |               |                    | <u>.</u>                            |
|                   |                | Solidified, Inorganic Matrix | 0.00                    | 0.00  | 0.00   |  |               |                    |                                     |
|                   |                | Cement (Solidified)          | 0.00                    | 0.00  | 0.00   |  |               |                    |                                     |
|                   |                | Vitrified                    | 0.00                    | 0.00  | 0.00   |  |               |                    |                                     |
|                   |                | Solidified, Organic Matrix   | 0.00                    | 0.00  | 0.00   |  |               |                    |                                     |
|                   |                | Soils                        | 0.00                    | 0.00  | 0.00   |  |               |                    |                                     |
|                   |                | Packaging Material, Steel    | 131.00                  |       |        |  |               |                    |                                     |
|                   |                | Packaging Material, Plastic  | 37.00                   |       |        |  |               |                    |                                     |

|                     |                   |               |               | Waste V       | olume Det     | ail (Cubic m | eters) for TWBIR ID : RL-W329 |                   |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |              |                               | Final F           | orm Volu      | ımes          |               |               |       |
|                     | Stored            |               | Proje         | ected         |               |              |                               | Stored            |               | Proje         |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 2.1               | 1.7           | 2.1           | 1.7           | 0.0           | 10.5         | 55 Gallon Drum                | 2.1               | 0.0           | 0.0           | 0.0           | 0.0           | 10.4  |
| As-Generated Stored | 2.1               | Projecte      | ed            | 8.4           | Total         | 10.5         | Final Form Stored             | 2.1               | Projecte      | ed            | 8.3           | Total         | 10.4  |

Packaging Material, Lead
Packaging Material, Steel Plug

TWBIR ID: RL-W329

| Waste Stream Description          | THE STREAM CONTAINS PLASTIC/POLYURETHANE, ORGANICS, CLOTH/RAGS/NYLON, RUBBER, METAL/IRON/GALVANIZED/SHEET.  |
|-----------------------------------|---|
| Waste Stream Source Description   | This stream is solidified organics contact handled RCRA/TSCA (PCB) reg. mixed TRU waste with ignitable contaminants from the Plutonium Recovery and Processing Facility.                                |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.  |
| Management Comments               | The assumption is that the WIPP No Migration Petition will be approved by EPA and the State of New Mexico. Under the assumption, treatment of the waste stream to meet LDR is not required nor planned. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

### TWBIR ID: RL-W332 Annex I TRU WASTE BASELINE INVENTORY WASTE BASELINE

|                   |                |                              | TRU WA       | STE BA | SELINE      | INVENTORY WASTE PROFILE              |              |            |                    |
|-------------------|----------------|------------------------------|--------------|--------|-------------|--------------------------------------|--------------|------------|--------------------|
| HQ ID<br>Local ID | RL-W332<br>N/A | <b>→ →</b>                   | m Name 2345  |        | m CH St M   |                                      |              | Invento    | ory Date 9/30/2002 |
| Į.                |                |                              |              |        | iai wasie r |                                      |              |            |                    |
| EP                | A Codes        | Waste Material Pa            | rameters (kg | /m3)   |             | Final Waste Form Descriptors         | TRUCON Codes | Final Form | Radionuclides      |
| As-C              | Generated      | Material Parameter           | Average      | Lower  | Upper       | Category: Defense TRU Waste          | N/A          |            | Typical            |
|                   | N/A            | Iron-Base Metal/Alloys       | 0.00         | 0.00   | 0.00        | Residues: No                         | <u> </u>     | Isotono    | Concentration      |
|                   |                | Aluminum-Base Metal/Alloys   | 0.00         | 0.00   | 0.00        | No.                                  | =            | Isotope    | (Ci/m3)            |
|                   |                | Other Metal/Alloys           | 0.00         | 0.00   | 0.00        | Asbestos: No                         | <u>_</u>     | Am-241     | 8.00E-02           |
|                   |                | Other Inorganic Materials    | 0.00         | 0.00   | 0.00        | PCBs: No                             |              | Pu-239     | 1.86E+00           |
|                   |                | Cellulosics                  | 0.00         | 0.00   | 0.00        | Source: Facility/Equipment Operation |              | Pu-240     | 4.20E-01           |
|                   |                | Rubber                       | 0.00         | 0.00   | 0.00        | and Maintenance Waste                |              | Pu-241     | 1.25E+01           |
|                   |                | Plastics                     | 0.00         | 0.00   | 0.00        |                                      |              |            |                    |
|                   |                | Solidified, Inorganic Matrix | 0.00         | 0.00   | 0.00        |                                      |              |            |                    |
|                   |                | Cement (Solidified)          | 0.00         | 0.00   | 0.00        |                                      |              |            |                    |
|                   |                | Vitrified                    | 0.00         | 0.00   | 0.00        |                                      |              |            |                    |
|                   |                | Solidified, Organic Matrix   | 0.00         | 0.00   | 0.00        |                                      |              |            |                    |
|                   |                | Soils                        | 0.00         | 0.00   | 0.00        |                                      |              |            |                    |
|                   |                | Packaging Material Steel     | 154 00       | -      |             |                                      |              |            |                    |

|                    | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W332 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|--------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                    | As-Gen  | erated Vo     | lumes         |               |               |       |                    | Final F           | orm Volu      | ımes          |               |               |       |
|                    | Stored  |               | Projected     |               |               |       |                    | Stored Projecte   |               | ected         | cted          |               |       |
| ContainerType      | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Box                | 0.2   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   | Standard Waste Box | 1.9               | 0.0           | 0.0           | 0.0           | 0.0           | 1.9   |
| As-Generated Store | 0.2   | Projecte      | ed            | 0.0           | Total         | 0.2   | Final Form Stored  | 1.9               | Projecto      | ed            | 0.0           | Total         | 1.9   |

Packaging Material, Plastic

Packaging Material, Lead
Packaging Material, Steel Plug

1.20 0.00

0.00

TWBIR ID: RL-W332

| Waste Stream Description          | Typically, 70 to 80% of the waste in the drums 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 failed machinery, tools, glass, concrete, plumbing fixtures and soil. Boxes typically contain whole and sectioned glove boxes, hoods, conduit, lathes, pumps, fans, light fixtures, 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 oil 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. |
|-----------------------------------|--|
| Waste Stream Source Description   | This stream is unknown waste form contact handled State regulated mixed TRU waste from the Plutonium Recovery and Processing Facility.   |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.   |
| Management Comments               | The assumption is that the WIPP No Migration Petition will be approved by EPA and the State of New Mexico. Under the assumption, treatment of the waste stream to meet LDR is not required nor planned.  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

### TWBIR ID: RL-W333 Annex I TRII WASTE BASELINE INVENTORY WASTE PROFILE

|          |           |                              | IKU WA      | SIEDA               | SELINE     | INVENTORY WASTE PROFILE              |              |            |                    |
|----------|-----------|------------------------------|-------------|---------------------|------------|--------------------------------------|--------------|------------|--------------------|
| HQ ID    | RL-W333   | Handling CH Stream           | Name 2345   |                     | 0          | CH TSCA MTRU                         |              | Invento    | ory Date 9/30/2002 |
| Local ID | N/A       | Waste Type MTRU Genera       | tor Site RL | - Fin               | al Waste F | Form Solidified Organics             |              | Waste Mat  | rix Code S5400     |
| EP       | PA Codes  | Waste Material Par           | ameters (kg | /m3)                |            | Final Waste Form Descriptors         | TRUCON Codes | Final Form | Radionuclides      |
| As-0     | Generated | Material Parameter           | Average     | Average Lower Upper |            | Category: Defense TRU Waste          | N/A          |            | Typical            |
| N/A      |           | Iron-Base Metal/Alloys       | 0.00        | 0.00                | 0.00       | Residues: No                         |              | lootono    | Concentration      |
|          |           | Aluminum-Base Metal/Alloys   | 0.00        | 0.00                | 0.00       |                                      | <del>-</del> | Isotope    | (Ci/m3)            |
|          |           | Other Metal/Alloys           | 0.00        | 0.00                | 0.00       | Asbestos: No                         | <u> </u>     | Am-241     | 8.00E-02           |
|          |           | Other Inorganic Materials    | 56.30       | 0.00                | 0.00       | PCBs: Yes                            | <u> </u>     | Pu-239     | 1.86E+00           |
|          |           | Cellulosics                  | 4.80        | 0.00                | 0.00       | Source: Facility/Equipment Operation |              | Pu-240     | 4.20E-01           |
|          |           | Rubber                       | 1.30        | 0.00                | 0.00       | and Maintenance Waste                |              | Pu-241     | 1.25E+01           |
|          |           | Plastics                     | 61.00       | 0.00                | 0.00       |                                      |              |            |                    |
|          |           | Solidified, Inorganic Matrix | 0.00        | 0.00                | 0.00       |                                      |              |            |                    |
|          |           | Cement (Solidified)          | 0.00        | 0.00                | 0.00       |                                      |              |            |                    |
|          |           | Vitrified                    | 0.00        | 0.00                | 0.00       |                                      |              |            |                    |
|          |           | Solidified, Organic Matrix   | 0.00        | 0.00                | 0.00       |                                      |              |            |                    |
|          |           | Soils                        | 29.80       | 0.00                | 0.00       |                                      |              |            |                    |
|          |           | Packaging Material, Steel    | 131.00      | · ·                 | •          |                                      |              |            |                    |
|          |           | Packaging Material, Plastic  | 37.00       |                     |            |                                      |              |            |                    |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W333 |               |               |               |               |       |                   |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       |                   | Final F           | orm Volu      | ımes          |               |               |       |
|                     | Stored  | Projected     |               |               |               |       |                   | Stored            |               | Projected     |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 1.3   | 0.6           | 0.0           | 0.0           | 0.0           | 3.8   | 55 Gallon Drum    | 1.2               | 0.0           | 0.0           | 0.0           | 0.0           | 3.7   |
| As-Generated Stored | 1.3   | Projecto      | ed            | 2.5           | Total         | 3.8   | Final Form Stored | 1.2               | Projecto      | ed            | 2.5           | Total         | 3.7   |

Packaging Material, Lead

Packaging Material, Steel Plug

0.00

TWBIR ID: RL-W333

| Waste Stream Description          | THE STREAM CONTAINS ABSORBENT/KITY LTR/VERMICULITE, PLASTIC/POLYURETHANE, CONWEB PADS, OILS, CLOTH/RAGS/NYLON, DIRT/SOIL/DIATOMACEOUS EARTH, RUBBER, PCB.   |
|-----------------------------------|---|
| Waste Stream Source Description   | This stream is solidified organics contact handled TSCA (PCB) regulated mixed TRU waste from the Plutonium Recovery and Processing Facility.  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.  |
| Management Comments               | The assumption is that the WIPP No Migration Petition will be approved by EPA and the State of New Mexico. Under the assumption, treatment of the waste stream to meet LDR is not required nor planned. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

# TWBIR ID: RL-W334 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

0.00

| HQ ID RL-W334<br>Local ID N/A |                              | Name 2345 |       |           | H TSCA MTRU Form Uncategorized Metal |         | Invento<br>Waste Matri   | ory Date 9/30/2002 |  |
|-------------------------------|------------------------------|-----------|-------|-----------|--------------------------------------|---------|--------------------------|--------------------|--|
| EPA Codes                     | Waste Type WITKO Generat     |           |       | iai waste |                                      | N Codes | Final Form Radionuclides |                    |  |
| As-Generated                  | Material Parameter           | Average   | Lower | Upper     | Category: Defense TRU Waste          | N/A     |                          | Typical            |  |
| N/A                           | Iron-Base Metal/Alloys       | 261.90    | 0.00  | 0.00      | Residues: No                         |         | la atama                 | Concentration      |  |
|                               | Aluminum-Base Metal/Alloys   | 0.00      | 0.00  | 0.00      |                                      |         | Isotope                  | (Ci/m3)            |  |
|                               | Other Metal/Alloys           | 0.00      | 0.00  | 0.00      | Asbestos: No                         |         | Am-241                   | 8.00E-02           |  |
|                               | Other Inorganic Materials    | 0.00      | 0.00  | 0.00      | PCBs: Yes                            | •       | Pu-239                   | 1.86E+00           |  |
|                               | Cellulosics                  | 0.00      | 0.00  | 0.00      | Source: Facility/Equipment Operation | •       | Pu-240                   | 4.20E-01           |  |
|                               | Rubber                       | 0.00      | 0.00  | 0.00      | and Maintenance Waste                | •       | Pu-241                   | 1.25E+01           |  |
|                               | Plastics                     | 76.20     | 0.00  | 0.00      |                                      | L       |                          |                    |  |
|                               | Solidified, Inorganic Matrix | 0.00      | 0.00  | 0.00      |                                      |         |                          |                    |  |
|                               | Cement (Solidified)          | 0.00      | 0.00  | 0.00      |                                      |         |                          |                    |  |
|                               | Vitrified                    | 0.00      | 0.00  | 0.00      |                                      |         |                          |                    |  |
|                               | Solidified, Organic Matrix   | 0.00      | 0.00  | 0.00      |                                      |         |                          |                    |  |
|                               | Soils                        | 0.00      | 0.00  | 0.00      |                                      |         |                          |                    |  |
|                               | Packaging Material, Steel    | 131.00    |       |           |                                      |         |                          |                    |  |
|                               | Packaging Material, Plastic  | 37.00     |       |           |                                      |         |                          |                    |  |
|                               | Packaging Material Lead      | 0.00      |       |           |                                      |         |                          |                    |  |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W334 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               |       |                    | Stored Projected  |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 0.2   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   | 55 Gallon Drum     | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored | 0.2   | Projecte      | ed            | 0.0           | Total         | 0.2   | Final Form Stored  | 0.2               | Projecto      | ed            | 0.0           | Total         | 0.2   |

Packaging Material, Steel Plug

TWBIR ID: RL-W334

| Waste Stream Description          | THE STREAM CONTAINS METAL/IRON/GALVANIZED/SHEET, PLASTIC/POLYURETHANE, CONWEB PADS, DIRT/SOIL/DIATOMACEOUS EARTH.   |
|-----------------------------------|---|
| Waste Stream Source Description   | This stream is uncategorized metal contact handled TSCA (PCB) regulated mixed TRU waste from the Plutonium Recovery and Processing Facility.  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.  |
| Management Comments               | The assumption is that the WIPP No Migration Petition will be approved by EPA and the State of New Mexico. Under the assumption, treatment of the waste stream to meet LDR is not required nor planned. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | N/A   |

TWBIR ID: RL-W357

| HQ ID RL-W357<br>Local ID N/A |                                | Name KAP   |                    | n CH/r TRU |                                  |               | Invento<br>Waste Matr    | ory Date 9/30/2000<br>Fix Code U9999 |  |  |
|-------------------------------|--------------------------------|------------|--------------------|------------|----------------------------------|---------------|--------------------------|--------------------------------------|--|--|
| EPA Codes                     | Waste Material Para            | meters (kg | /m3)               |            | Final Waste Form Descriptors     | TRUCON Codes  | Final Form Radionuclides |                                      |  |  |
| As-Generated                  | Material Parameter             | Average    | verage Lower Upper |            | Category: Defense TRU Waste      | N/A           |                          | Typical                              |  |  |
| N/A                           | Iron-Base Metal/Alloys         | 0.00       | 0.00               | 0.00       | Residues: No                     | <u> </u>      | lastana                  | Concentration                        |  |  |
|                               | Aluminum-Base Metal/Alloys     | 0.00       | 0.00               | 0.00       |                                  | <del>- </del> | Isotope                  | (Ci/m3)                              |  |  |
|                               | Other Metal/Alloys             | 0.00       | 0.00               | 0.00       | Asbestos: No                     | <u> </u>      | Am-241                   | 0.00E+00                             |  |  |
|                               | Other Inorganic Materials      | 0.00       | 0.00               | 0.00       | PCBs: No                         |               | Pu-239                   | 0.00E+00                             |  |  |
|                               | Cellulosics                    | 0.00       | 0.00               | 0.00       | Source: R&D/R&D Laboratory Waste | 7             | Pu-240                   | 0.00E+00                             |  |  |
|                               | Rubber                         | 0.00       | 0.00               | 0.00       |                                  | <b></b>       | Pu-241                   | 0.00E+00                             |  |  |
|                               | Plastics                       | 0.00       | 0.00               | 0.00       |                                  |               |                          | •                                    |  |  |
|                               | Solidified, Inorganic Matrix   | 0.00       | 0.00               | 0.00       |                                  |               |                          |                                      |  |  |
|                               | Cement (Solidified)            | 0.00       | 0.00               | 0.00       |                                  |               |                          |                                      |  |  |
|                               | Vitrified                      | 0.00       | 0.00               | 0.00       |                                  |               |                          |                                      |  |  |
|                               | Solidified, Organic Matrix     | 0.00       | 0.00               | 0.00       |                                  |               |                          |                                      |  |  |
|                               | Soils                          | 0.00       | 0.00               | 0.00       |                                  |               |                          |                                      |  |  |
|                               | Packaging Material, Steel      | 131.00     | •                  |            |                                  |               |                          |                                      |  |  |
|                               | Packaging Material, Plastic    | 37.00      |                    |            |                                  |               |                          |                                      |  |  |
|                               | Packaging Material, Lead       | 0.00       |                    |            |                                  |               |                          |                                      |  |  |
|                               | Packaging Material, Steel Plug | 0.00       |                    |            |                                  |               |                          |                                      |  |  |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W357 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               |       | Stored Projected   |                   |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 0.2   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   | 55 Gallon Drum     | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored | 0.2   | Projecte      | ed            | 0.0           | Total         | 0.2   | Final Form Stored  | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: RL-W357

| Waste Stream Description          | THIS STREAM CONTAINS CHEMICALS.  |
|-----------------------------------|--|
| Waste Stream Source Description   | This stream is unknown waste form contact handled packaged remote non-mixed TRU waste from the Knolls Atomic Power Laboratory. |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.   |
| Management Comments               | N/A  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

TWBIR ID: RL-W366

|           | -W366<br>N/A |                                | Name 202A<br>or Site RL |            | n CH TRU | Form N/A                                  | Invento<br>Waste Matr    | ry Date 9/30/2002<br>ix Code U9999 |  |
|-----------|--------------|--------------------------------|-------------------------|------------|----------|---|--------------------------|------------------------------------|--|
| EPA Code  | es           | Waste Material Para            | meters (kg              | /m3)       |          | Final Waste Form Descriptors TRUCON Codes | Final Form Radionuclides |                                    |  |
| As-Genera | ted          | Material Parameter             | Average                 | Lower      | Upper    | Category: Defense TRU Waste N/A           |                          | Typical                            |  |
| N/A       |              | Iron-Base Metal/Alloys         | 0.00                    | 0.00       | 0.00     | Residues: No                              | laatana                  | Concentration                      |  |
|           |              | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00       | 0.00     |   | Isotope                  | (Ci/m3)                            |  |
|           |              | Other Metal/Alloys             | 0.00                    | 0.00       | 0.00     | Asbestos: No                              | Am-241                   | 1.00E-02                           |  |
|           |              | Other Inorganic Materials      | 0.00                    | 0.00       | 0.00     | PCBs: No                                  | Pu-239                   | 5.70E+00                           |  |
|           |              | Cellulosics                    | 0.00                    | 0.00       | 0.00     | Source: Facility/Equipment Operation      | Pu-240                   | 1.32E+00                           |  |
|           |              | Rubber                         | 0.00                    | 0.00       | 0.00     | and Maintenance Waste                     | Pu-241                   | 4.05E+01                           |  |
|           |              | Plastics                       | 0.00                    | 0.00       | 0.00     |   |                          |                                    |  |
|           |              | Solidified, Inorganic Matrix   | 0.00                    | 0.00       | 0.00     |   |                          |                                    |  |
|           |              | Cement (Solidified)            | 0.00                    | 0.00       | 0.00     |   |                          |                                    |  |
|           |              | Vitrified                      | 0.00                    | 0.00       | 0.00     |   |                          |                                    |  |
|           |              | Solidified, Organic Matrix     | 0.00                    | 0.00       | 0.00     |   |                          |                                    |  |
|           |              | Soils                          | 0.00                    | 0.00       | 0.00     |   |                          |                                    |  |
|           |              | Packaging Material, Steel      | 131.00                  | <u>u</u> . | <u> </u> |   |                          |                                    |  |
|           |              | Packaging Material, Plastic    | 37.00                   |            |          |   |                          |                                    |  |
|           |              | Packaging Material, Lead       | 0.00                    |            |          |   |                          |                                    |  |
|           |              | Packaging Material, Steel Plug | 0.00                    |            |          |   |                          |                                    |  |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W366 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               |       | Stored Projected   |                   |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 1.5   | 0.0           | 0.0           | 0.0           | 0.0           | 2.3   | 55 Gallon Drum     | 1.5               | 0.0           | 0.0           | 0.0           | 0.0           | 2.3   |
| As-Generated Stored | 1.5   | Projecte      | ed            | 8.0           | Total         | 2.3   | Final Form Stored  | 1.5               | Projecte      | ed            | 0.8           | Total         | 2.3   |

TWBIR ID: RL-W366

| Waste Stream Description          | THIS STREAM CONTAINS MISCELLANEOUS/UNKNOWN/OTHER.  |
|-----------------------------------|--|
| Waste Stream Source Description   | This stream is unknown waste form contact handled non-mixed TRU waste from the Fuel Reprocessing Facility. |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.                                 |
| Management Comments               | N/A  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

### TWBIR ID: RL-W382 Annex I TRU WASTE BASELINE INVENTORY WASTE BASELINE

|                   |                |                              | TRU WA                     | STE BA | SELINE   | INVENTORY WASTE PROFILE              |              |                       |                                    |
|-------------------|----------------|------------------------------|----------------------------|--------|----------|--------------------------------------|--------------|-----------------------|------------------------------------|
| HQ ID<br>Local ID | RL-W382<br>N/A | · —                          | n Name 2345<br>tor Site RL |        | m CH TRU |                                      |              | Invento<br>Waste Matr | ry Date 9/30/2002<br>ix Code U9999 |
| EP.               | A Codes        | Waste Material Par           | ameters (kg                | /m3)   |          | Final Waste Form Descriptors         | TRUCON Codes | Final Form            | Radionuclides                      |
| As-G              | enerated       | Material Parameter           | Average                    | Lower  | Upper    | Category: Defense TRU Waste          | N/A          |                       | Typical                            |
|                   | N/A            | Iron-Base Metal/Alloys       | 0.00                       | 0.00   | 0.00     | Residues: No                         | <u>.</u>     | lootono               | Concentration                      |
|                   |                | Aluminum-Base Metal/Alloys   | 0.00                       | 0.00   | 0.00     |                                      |              | Isotope               | (Ci/m3)                            |
|                   |                | Other Metal/Alloys           | 0.00                       | 0.00   | 0.00     | Asbestos: No                         |              | Am-241                | 9.00E-02                           |
|                   |                | Other Inorganic Materials    | 0.00                       | 0.00   | 0.00     | PCBs: No                             |              | Pu-239                | 3.37E+00                           |
|                   |                | Cellulosics                  | 0.00                       | 0.00   | 0.00     | Source: Facility/Equipment Operation |              | Pu-240                | 7.60E-01                           |
|                   |                | Rubber                       | 0.00                       | 0.00   | 0.00     | and Maintenance Waste                |              | Pu-241                | 2.11E+01                           |
|                   |                | Plastics                     | 0.00                       | 0.00   | 0.00     |                                      |              |                       | <u>,</u>                           |
|                   |                | Solidified, Inorganic Matrix | 0.00                       | 0.00   | 0.00     |                                      |              |                       |                                    |
|                   |                | Cement (Solidified)          | 0.00                       | 0.00   | 0.00     |                                      |              |                       |                                    |
|                   |                | Vitrified                    | 0.00                       | 0.00   | 0.00     |                                      |              |                       |                                    |
|                   |                | Solidified, Organic Matrix   | 0.00                       | 0.00   | 0.00     |                                      |              |                       |                                    |
|                   |                | Soils                        | 0.00                       | 0.00   | 0.00     |                                      |              |                       |                                    |
|                   |                | Packaging Material, Steel    | 131.00                     | •      |          |                                      |              |                       |                                    |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W382 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vol    | umes          |               |               |       | Final Form Volumes |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               |       | Stored Projected   |                   |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 18.7  | 12.9          | 14.6          | 11.7          | 0.0           | 80.2  | 55 Gallon Drum     | 18.7              | 0.0           | 0.0           | 0.0           | 0.0           | 80.1  |
| As-Generated Stored | 18.7  | Projecte      | ed            | 61.4          | Total         | 80.2  | Final Form Stored  | 18.7              | Projecto      | ed            | 61.4          | Total         | 80.1  |

Packaging Material, Plastic

Packaging Material, Lead
Packaging Material, Steel Plug

0.00

0.00

TWBIR ID: RL-W382

| Waste Stream Description          | THIS STREAM CONTAINS MISCELLANEOUS/UNKNOWN/OTHER.  |
|-----------------------------------|--|
| Waste Stream Source Description   | This stream is unknown waste form contact handled non-mixed TRU waste from the Plutonium Recovery and Processing Facility. |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.   |
| Management Comments               | N/A  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

## TWBIR ID: RL-W391 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | RL-W391<br>N/A |                                | Name 308 (<br>or Site RL |       | form CH |                                  |              | Invento<br>Waste Matr    | ory Date 9/30/2002<br>ix Code U9999 |  |
|-------------------|----------------|--------------------------------|--------------------------|-------|---------|----------------------------------|--------------|--------------------------|-------------------------------------|--|
| EP/               | A Codes        | Waste Material Para            | meters (kg/              | /m3)  |         | Final Waste Form Descriptors     | TRUCON Codes | Final Form Radionuclides |                                     |  |
| As-G              | enerated       | Material Parameter             | Average                  | Lower | Upper   | Category: Defense TRU Waste      | N/A          |                          | Typical                             |  |
|                   | N/A            | Iron-Base Metal/Alloys         | 76.40                    | 0.00  | 0.00    | Residues: No                     | <u> </u>     | lastana                  | Concentration                       |  |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00                     | 0.00  | 0.00    |                                  | ╡            | Isotope                  | (Ci/m3)                             |  |
|                   |                | Other Metal/Alloys             | 0.00                     | 0.00  | 0.00    | Asbestos: No                     | <u> </u>     | Am-241                   | 2.50E-01                            |  |
|                   |                | Other Inorganic Materials      | 0.00                     | 0.00  | 0.00    | PCBs: No                         |              | Pu-239                   | 3.56E+00                            |  |
|                   |                | Cellulosics                    | 120.10                   | 0.00  | 0.00    | Source: R&D/R&D Laboratory Waste | 7            | Pu-240                   | 9.00E-01                            |  |
|                   |                | Rubber                         | 0.00                     | 0.00  | 0.00    |                                  | _            | Pu-241                   | 2.20E+01                            |  |
|                   |                | Plastics                       | 0.00                     | 0.00  | 0.00    |                                  |              |                          |                                     |  |
|                   |                | Solidified, Inorganic Matrix   | 0.00                     | 0.00  | 0.00    |                                  |              |                          |                                     |  |
|                   |                | Cement (Solidified)            | 0.00                     | 0.00  | 0.00    |                                  |              |                          |                                     |  |
|                   |                | Vitrified                      | 0.00                     | 0.00  | 0.00    |                                  |              |                          |                                     |  |
|                   |                | Solidified, Organic Matrix     | 0.00                     | 0.00  | 0.00    |                                  |              |                          |                                     |  |
|                   |                | Soils                          | 0.00                     | 0.00  | 0.00    |                                  |              |                          |                                     |  |
|                   |                | Packaging Material, Steel      | 131.00                   |       |         |                                  |              |                          |                                     |  |
|                   |                | Packaging Material, Plastic    | 37.00                    |       |         |                                  |              |                          |                                     |  |
|                   |                | Packaging Material, Lead       | 0.00                     |       |         |                                  |              |                          |                                     |  |
|                   |                | Packaging Material, Steel Plug | 0.00                     |       |         |                                  |              |                          |                                     |  |

|                     |                   |               |               | Waste V       | olume Det     | ail (Cubic m | neters) for TWBIR ID : RL-W391 |                   |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------|--------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |              | Final Form Volumes             |                   |               |               |               |               |       |
|                     | Stored            | Projected     |               |               |               | Stored       |                                | Projected         |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4          | 55 Gallon Drum                 | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4   |
| As-Generated Stored | 0.4               | Projecte      | ed            | 0.0           | Total         | 0.4          | Final Form Stored              | 0.4               | Projecte      | ed            | 0.0           | Total         | 0.4   |

TWBIR ID: RL-W391

| Waste Stream Description          | THIS STREAM CONTAINS ORGANICS, METAL/IRON/GALVANIZED/SHEET.  |
|-----------------------------------|--|
| Waste Stream Source Description   | This stream is combustible contact handled non-mixed TRU waste from the Fuels Development Laboratory |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | Data are compiled from waste manifest data on each container of TRU waste.                           |
| Management Comments               | N/A  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | N/A  |

### TWBIR ID: RL-W471 Annex I TRII WASTE BASELINE INVENTORY WA

37.00 0.00

0.00

|                   |                |  | TRU WA      | STE BA                | ASELINE            | INVENTORY WASTE PROFILE              |                          |                            |               |
|-------------------|----------------|--|-------------|-----------------------|--------------------|--------------------------------------|--------------------------|----------------------------|---------------|
| HQ ID<br>Local ID | RL-W471<br>N/A | Handling CH Stream Waste Type MTRU General |             | Invento<br>Waste Matr | ory Date 9/30/2002 |                                      |                          |                            |               |
| EP                | A Codes        | Waste Material Par                         | ameters (kg | /m3)                  |                    | Final Waste Form Descriptors         | Final Form Radionuclides |                            |               |
| As-0              | Generated      | Material Parameter                         | Average     | Lower                 | Upper              | Category: Defense TRU Waste          | N/A                      |                            | Typical       |
|                   | N/A            | Iron-Base Metal/Alloys                     | 0.03        | 0.02                  | 0.05               | Residues: No                         | <u></u>                  | lastens                    | Concentration |
|                   |                | Aluminum-Base Metal/Alloys                 | 0.00        | 0.00                  | 0.00               |                                      | <u> </u>                 | Isotope                    | (Ci/m3)       |
|                   |                | Other Metal/Alloys                         | 167.21      | 88.89                 | 335.30             | Asbestos: N/A                        | <u> </u>                 | Am-241                     | 1.02E+00      |
|                   |                | Other Inorganic Materials                  | 0.00        | 0.00                  | 0.00               | PCBs: No                             |                          | Pu-238                     | 3.00E-03      |
|                   |                | Cellulosics                                | 0.00        | 0.00                  | 0.00               | Source: Facility/Equipment Operation |                          | Pu-239<br>Pu-240<br>Pu-241 | 3.60E-02      |
|                   |                | Rubber                                     | 0.00        | 0.00                  | 0.00               | and Maintenance Waste                |                          |                            | 8.23E-03      |
|                   |                | Plastics                                   | 0.44        | 0.44                  | 2.64               |                                      |                          |                            | 1.04E-01      |
|                   |                | Solidified, Inorganic Matrix               | 72.05       | 72.00                 | 72.06              |                                      |                          | Pu-242                     | 5.04E-07      |
|                   |                | Cement (Solidified)                        | 0.00        | 0.00                  | 0.00               |                                      |                          |                            |               |
|                   |                | Vitrified                                  | 0.00        | 0.00                  | 0.00               |                                      |                          |                            |               |
|                   |                | Solidified, Organic Matrix                 | 0.01        | 0.00                  | 0.01               |                                      |                          |                            |               |
|                   |                | Soils                                      | 255.76      | 179.27                | 368.25             |                                      |                          |                            |               |
|                   |                | Packaging Material, Steel                  | 131.00      |                       |                    |                                      |                          |                            |               |

|                     |                      |               |               | Waste V       | olume Det     | ail (Cubic m     | neters) for TWBIR ID : RL-W471 |                    |               |               |               |               |       |
|---------------------|----------------------|---------------|---------------|---------------|---------------|------------------|--------------------------------|--------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Generated Volumes |               |               |               |               |                  |                                | Final Form Volumes |               |               |               |               |       |
|                     | Stored Projected     |               |               |               |               | Stored Projected |                                |                    | ected         |               |               |               |       |
| ContainerType       | End of<br>CY 2001    | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total            | ContainerType                  | End of<br>CY 2001  | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 1.9                  | 0.0           | 0.0           | 0.0           | 0.0           | 1.9              | 55 Gallon Drum                 | 1.9                | 0.0           | 0.0           | 0.0           | 0.0           | 1.9   |
| As-Generated Stored | 1.9                  | Projecte      | ed            | 0.0           | Total         | 1.9              | Final Form Stored              | 1.9                | Projecte      | ed            | 0.0           | Total         | 1.9   |

Packaging Material, Plastic

Packaging Material, Lead
Packaging Material, Steel Plug

TWBIR ID: RL-W471

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

### TWBIR ID: RL-W472 Annex I THI WASTE BASELINE INVENTORY WASTE PROFILE

|                   |                |                                | TINO WA                 | SIL D     | JULLINE       | INVENTORT WASTE FROTILE              |              |  |               |  |
|-------------------|----------------|--------------------------------|-------------------------|-----------|---------------|--------------------------------------|--------------|--|---------------|--|
| HQ ID<br>Local ID | RL-W472<br>N/A |                                | Name 202/<br>or Site N/ |           | H unknow      | n forms S9000 Mixed RCRA w/ met      |              | Inventory Date 9/30/20 Waste Matrix Code S9000 |               |  |
| EP                | A Codes        | Waste Material Para            | meters (kg              | /m3)      |               | Final Waste Form Descriptors         | TRUCON Codes | —<br>Final Form                                | Radionuclides |  |
| As-C              | Senerated      | Material Parameter             | Average Lower           |           | Upper         | Category: Defense TRU Waste          | N/A          |  | Typical       |  |
|                   | N/A            | Iron-Base Metal/Alloys         | 0.00                    | 0.00      | 0.00          | Residues: No                         |              | 14   | Concentration |  |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00      | 0.00          |                                      |              | Isotope  | (Ci/m3)       |  |
|                   |                | Other Metal/Alloys             | 0.00                    | 0.00 0.00 | Asbestos: N/A |                                      | Am-241       | 1.23E-01                                       |               |  |
|                   |                | Other Inorganic Materials      | 192.00                  | 192.00    | 192.00        | PCBs: No                             |              | Pu-238   | 3.72E-02      |  |
|                   |                | Cellulosics                    | 0.00                    | 0.00      | 0.00          | Source: Facility/Equipment Operation |              | Pu-239   | 1.41E+00      |  |
|                   |                | Rubber                         | 0.00                    | 0.00      | 0.00          | and Maintenance Waste                |              | Pu-240<br>Pu-241                               | 3.15E-01      |  |
|                   |                | Plastics                       | 0.00                    | 0.00      | 0.00          |                                      |              |  | 4.44E+00      |  |
|                   |                | Solidified, Inorganic Matrix   | 0.00                    | 0.00      | 0.00          |                                      |              | Pu-242   | 1.90E-05      |  |
|                   |                | Cement (Solidified)            | 0.00                    | 0.00      | 0.00          |                                      |              |  |               |  |
|                   |                | Vitrified                      | 0.00                    | 0.00      | 0.00          |                                      |              |  |               |  |
|                   |                | Solidified, Organic Matrix     | 0.00                    | 0.00      | 0.00          |                                      |              |  |               |  |
|                   |                | Soils                          | 0.00                    | 0.00      | 0.00          |                                      |              |  |               |  |
|                   |                | Packaging Material, Steel      | 131.00                  | '         |               |                                      |              |  |               |  |
|                   |                | Packaging Material, Plastic    | 37.00                   |           |               |                                      |              |  |               |  |
|                   |                | Packaging Material, Lead       | 0.00                    |           |               |                                      |              |  |               |  |
|                   |                | Packaging Material, Steel Plug | 0.00                    |           |               |                                      |              |  |               |  |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W472 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               |       | Stored             |                   | Proje         | ected         |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 0.2   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   | 55 Gallon Drum     | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored | 0.2   | Projecte      | ed            | 0.0           | Total         | 0.2   | Final Form Stored  | 0.2               | Projecto      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: RL-W472

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

### TWBIR ID: RL-W473 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

RL-W473 RH Stream Name 202A TRU RH solidified inorganic S3119 Non-mixed Inventory Date 9/30/2002 Handling HQ ID Final Waste Form Solidified Inorganics Local ID N/A Waste Type TRU Generator Site N/A **Waste Matrix Code** S3119 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Upper Category: Defense TRU Waste As-Generated **Material Parameter** Average Lower N/A Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 0.00 0.00 0.00 Am-241 3.65E+02 PCBs: No 0.01 Other Inorganic Materials 0.01 0.03 Pu-238 8.43E+01 1.25 0.34 Source: Facility/Equipment Operation Pu-239 Cellulosics 2.39 9.13E-01 and Maintenance Waste 0.00 0.00 0.00 Rubber Pu-240 1.74E+00 **Plastics** 2.93 1.35 4.31 Pu-241 5.32E+04 9.29 8.43 10.15 Solidified, Inorganic Matrix Pu-242 1.30E-05 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 434.00 Packaging Material, Plastic 0.00 Packaging Material, Lead 464.00 Packaging Material, Steel Plug 0.00

|                     |                   |               |               | Waste V       | olume Det     | ail (Cubic m     | neters) for TWBIR ID : RL-W473 |                   |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|------------------|--------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |                  | Final Form Volumes             |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               |               |               | Stored Projected |                                |                   | ected         |               |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total            | ContainerType                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| RH Canister         | 0.9               | 0.0           | 0.0           | 0.0           | 0.0           | 0.9              | RH Canister                    | 0.9               | 0.0           | 0.0           | 0.0           | 0.0           | 0.9   |
| As-Generated Stored | 0.9               | Projecte      | ed            | 0.0           | Total         | 0.9              | Final Form Stored              | 0.9               | Projecte      | ed            | 0.0           | Total         | 0.9   |

TWBIR ID: RL-W473

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

#### Annex I TWBIR ID: RL-W475 TOU WASTE BASELINE INVENTORY WASTE DOCEILE

|          |  |                | INU WAS                   | IL DAGLLINL INV  | LINIONI WASIL FROITLE        |              |                   |         |  |  |  |
|----------|--|----------------|---------------------------|------------------|------------------------------|--------------|-------------------|---------|--|--|--|
| HQ ID    | ID RL-W475 Handling RH Stream Name 202A TRU CH combustible S5319 Non-mixed |                |                           |                  |                              |              |                   |         |  |  |  |
| Local ID | N/A  | Waste Type TRU | Generator Site N/A        | Final Waste Form | Combustible                  |              | Waste Matrix Code | S5319   |  |  |  |
| EP       | A Codes  | Waste N        | Material Parameters (kg/m | 3)               | Final Waste Form Descriptors | TRUCON Codes | Final Form Radion | uclides |  |  |  |

| Waste Material Parameters (kg/m3) |   |  |  |  |  |  |  |  |  |  |  |
|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|
| Material Parameter                | Average   | Lower  | Upper  |  |  |  |  |  |  |  |  |
| Iron-Base Metal/Alloys            | 0.00  | 0.00   | 0.00   |  |  |  |  |  |  |  |  |
| Aluminum-Base Metal/Alloys        | 0.00  | 0.00   | 0.00   |  |  |  |  |  |  |  |  |
| Other Metal/Alloys                | 2.92  | 0.04   | 17.98  |  |  |  |  |  |  |  |  |
| Other Inorganic Materials         | 0.34  | 0.04   | 2.11   |  |  |  |  |  |  |  |  |
| Cellulosics                       | 4.41  | 0.09   | 20.55  |  |  |  |  |  |  |  |  |
| Rubber                            | 28.46   | 1.80   | 105.20   |  |  |  |  |  |  |  |  |
| Plastics                          | 27.65   | 1.75   | 107.83   |  |  |  |  |  |  |  |  |
| Solidified, Inorganic Matrix      | 13.85   | 8.99   | 39.83  |  |  |  |  |  |  |  |  |
| Cement (Solidified)               | 0.00  | 0.00   | 0.00   |  |  |  |  |  |  |  |  |
| Vitrified                         | 0.00  | 0.00   | 0.00   |  |  |  |  |  |  |  |  |
| Solidified, Organic Matrix        | 0.00  | 0.00   | 0.00   |  |  |  |  |  |  |  |  |
| Soils                             | 0.00  | 0.00   | 0.00   |  |  |  |  |  |  |  |  |
| Packaging Material, Steel         | 434.00  | •  |  |  |  |  |  |  |  |  |  |
| Packaging Material, Plastic       | 0.00  |  |  |  |  |  |  |  |  |  |  |
| Packaging Material, Lead          | 464.00  |  |  |  |  |  |  |  |  |  |  |
|                                   | Material Parameter Iron-Base Metal/Alloys Aluminum-Base Metal/Alloys Other Metal/Alloys Other Inorganic Materials Cellulosics Rubber Plastics Solidified, Inorganic Matrix Cement (Solidified) Vitrified Solidified, Organic Matrix Soils Packaging Material, Steel Packaging Material, Plastic | Material Parameter         Average           Iron-Base Metal/Alloys         0.00           Aluminum-Base Metal/Alloys         0.00           Other Metal/Alloys         2.92           Other Inorganic Materials         0.34           Cellulosics         4.41           Rubber         28.46           Plastics         27.65           Solidified, Inorganic Matrix         13.85           Cement (Solidified)         0.00           Vitrified         0.00           Solidified, Organic Matrix         0.00           Soils         0.00           Packaging Material, Steel         434.00           Packaging Material, Plastic         0.00 | Material Parameter         Average         Lower           Iron-Base Metal/Alloys         0.00         0.00           Aluminum-Base Metal/Alloys         0.00         0.00           Other Metal/Alloys         2.92         0.04           Other Inorganic Materials         0.34         0.04           Cellulosics         4.41         0.09           Rubber         28.46         1.80           Plastics         27.65         1.75           Solidified, Inorganic Matrix         13.85         8.99           Cement (Solidified)         0.00         0.00           Vitrified         0.00         0.00           Soildified, Organic Matrix         0.00         0.00           Soils         0.00         0.00           Packaging Material, Steel         434.00           Packaging Material, Plastic         0.00 |  |  |  |  |  |  |  |  |

0.00

Packaging Material, Steel Plug

| Final V   | Vaste Form Descriptors                             | TRUCON Codes |
|-----------|--|--------------|
| Category: | Defense TRU Waste                                  | N/A          |
| Residues: | No   |              |
| Asbestos: | N/A  |              |
| PCBs:     | No   |              |
| Source:   | Facility/Equipment Operation and Maintenance Waste |              |

| Final Form Radionuclides |                                     |  |  |  |  |  |  |  |
|--------------------------|-------------------------------------|--|--|--|--|--|--|--|
| Isotope                  | Typical<br>Concentration<br>(Ci/m3) |  |  |  |  |  |  |  |
| Am-241                   | 4.98E+02                            |  |  |  |  |  |  |  |
| Pu-238                   | 1.29E+02                            |  |  |  |  |  |  |  |
| Pu-239                   | 1.23E+00                            |  |  |  |  |  |  |  |
| Pu-240                   | 2.12E+00                            |  |  |  |  |  |  |  |
| Pu-241                   | 5.99E+04                            |  |  |  |  |  |  |  |
| Pu-242                   | 1.48E-05                            |  |  |  |  |  |  |  |

| Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W475 |                   |               |               |               |               |       |   |                  |                   |      |               |               |               |               |       |
|---|-------------------|---------------|---------------|---------------|---------------|-------|---|------------------|-------------------|------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes                                      |                   |               |               |               |               |       |   |                  | Fina              | l Fo | rm Voluı      | nes           |               |               |       |
| Stored Projected Stored                                   |                   |               |               |               | Projected     |       |   |                  |                   |      |               |               |               |               |       |
| ContainerType   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |   | ContainerType    | End of<br>CY 2001 |      | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| RH Canister   | 6.2               | 0.0           | 0.0           | 0.0           | 0.0           | 6.2   | F | RH Canister      | 6                 | 5.2  | 0.0           | 0.0           | 0.0           | 0.0           | 6.2   |
| As-Generated Stored                                       | 6.2               | Project       | ed            | 0.0           | Total         | 6.2   | F | Final Form Store | i (               | 6.2  | Projecte      | d             | 0.0           | Total         | 6.2   |

TWBIR ID: RL-W475

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

TWBIR ID: RL-W477

| HQ ID<br>Local ID | RL-W477<br>N/A | Handling RH Stream Waste Type TRU Generate | Inventory Date 9/30/2002<br>Waste Matrix Code S5420 |       |        |                                      |          |         |               |
|-------------------|----------------|--|---|-------|--------|--------------------------------------|----------|---------|---------------|
| EPA               | Codes          | Waste Material Parameters (kg/m            |   |       |        | Final Form Radionuclides             |          |         |               |
| As-Ge             | enerated       | Material Parameter                         | Average   | Lower | Upper  | Category: Defense TRU Waste          | N/A      |         | Typical       |
| N                 | N/A            | Iron-Base Metal/Alloys                     | 0.00  | 0.00  | 0.00   | Residues: No                         | <u> </u> | lastens | Concentration |
|                   |                | Aluminum-Base Metal/Alloys                 | 0.00  | 0.00  | 0.00   |                                      |          | Isotope | (Ci/m3)       |
|                   |                | Other Metal/Alloys                         | 102.17  | 45.40 | 185.12 | Asbestos: N/A                        |          | Am-241  | 5.65E+02      |
|                   |                | Other Inorganic Materials                  | 2.81  | 2.81  | 22.33  | PCBs: No                             |          | Pu-238  | 1.12E+02      |
|                   |                | Cellulosics                                | 5.21  | 0.54  | 12.57  | Source: Facility/Equipment Operation |          | Pu-239  | 1.33E+00      |
|                   |                | Rubber                                     | 4.92  | 0.27  | 15.31  | and Maintenance Waste                |          | Pu-240  | 2.35E+00      |
|                   |                | Plastics                                   | 28.17   | 1.96  | 45.58  |                                      |          | Pu-241  | 6.78E+04      |
|                   |                | Solidified, Inorganic Matrix               | 26.66   | 13.51 | 75.65  |                                      |          | Pu-242  | 1.70E-05      |
|                   |                | Cement (Solidified)                        | 0.00  | 0.00  | 0.00   |                                      |          |         |               |
|                   |                | Vitrified                                  | 0.00  | 0.00  | 0.00   |                                      |          |         |               |
|                   |                | Solidified, Organic Matrix                 | 0.00  | 0.00  | 0.00   |                                      |          |         |               |
|                   |                | Soils                                      | 0.00  | 0.00  | 0.00   |                                      |          |         |               |
|                   |                | Packaging Material, Steel                  | 434.00  | -     |        |                                      |          |         |               |
|                   |                | Packaging Material, Plastic                | 0.00  |       |        |                                      |          |         |               |
|                   |                | Packaging Material, Lead                   | 464.00  |       |        |                                      |          |         |               |
|                   |                | Packaging Material, Steel Plug             | 0.00  |       |        |                                      |          |         |               |

| Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W477 |      |                   |               |               |               |               |       |               |           |                   |               |               |               |               |       |
|---|------|-------------------|---------------|---------------|---------------|---------------|-------|---------------|-----------|-------------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes                                      |      |                   |               |               |               |               |       |               |           | Final F           | orm Volu      | mes           |               |               |       |
| Stored Project  |      |                   | cted          |               |               |               |       | Stored        | Projected |                   |               |               |               |               |       |
| ContainerType   |      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType | е         | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| RH Canister   |      | 1.8               | 0.0           | 0.0           | 0.0           | 0.0           | 1.8   | RH Canister   |           | 1.8               | 0.0           | 0.0           | 0.0           | 0.0           | 1.8   |
| As-Generated St   | ored | 1.8               | Projecte      | ed            | 0.0           | Total         | 1.8   | Final Form    | Stored    | 1.8               | Projecte      | ed            | 0.0           | Total         | 1.8   |

TWBIR ID: RL-W477

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

#### Annex I TWBIR ID: RL-W478

|                   |                |                            | TRU WA                               | ASIEBA | ASELINE       | INVENTORY WASTE PROFILE                         |              |                    |                                      |
|-------------------|----------------|----------------------------|--------------------------------------|--------|---------------|---|--------------|--------------------|--------------------------------------|
| HQ ID<br>Local ID | RL-W478<br>N/A | ·                          | n Name 202                           |        |               | neous S5440 Non-mixed Form Heterogeneous Debris |              | Invento Waste Matr | ory Date 9/30/2002<br>rix Code S5440 |
| EP                | A Codes        | Waste Material Par         | ameters (kg                          | g/m3)  |               | Final Waste Form Descriptors                    | TRUCON Codes | Final Form         | Radionuclides                        |
| As-C              | Generated      | Material Parameter         | Average                              | Lower  | Upper         | Category: Defense TRU Waste                     | N/A          |                    | Typical                              |
|                   | N/A            | Iron-Base Metal/Alloys     | 1.39                                 | 1.39   | 72.79         | Residues: No                                    | <u> </u>     |                    | Concentration                        |
| <u> </u>          |                | Aluminum-Base Metal/Alloys | 0.00                                 | 0.00   | 0.00          |   | <del></del>  | Isotope            | (Ci/m3)                              |
|                   |                | Other Metal/Alloys         | Other Metal/Alloys 84.33 0.34 391.02 |        | Asbestos: N/A | <u> </u>  | Am-241       | 2.40E+02           |                                      |
|                   |                | Other Inorganic Materials  | 8.26                                 | 0.10   | 61.14         | PCBs: No  |              | Pu-238             | 4.84F+01                             |

| Material Parameter             | Average | Lower | Upper  |
|--------------------------------|---------|-------|--------|
| Iron-Base Metal/Alloys         | 1.39    | 1.39  | 72.79  |
| Aluminum-Base Metal/Alloys     | 0.00    | 0.00  | 0.00   |
| Other Metal/Alloys             | 84.33   | 0.34  | 391.02 |
| Other Inorganic Materials      | 8.26    | 0.10  | 61.14  |
| Cellulosics                    | 16.20   | 0.19  | 115.25 |
| Rubber                         | 12.36   | 0.10  | 73.80  |
| Plastics                       | 44.62   | 2.43  | 201.75 |
| Solidified, Inorganic Matrix   | 22.11   | 9.76  | 117.61 |
| Cement (Solidified)            | 0.00    | 0.00  | 0.00   |
| Vitrified                      | 0.00    | 0.00  | 0.00   |
| Solidified, Organic Matrix     | 0.00    | 0.00  | 0.00   |
| Soils                          | 0.00    | 0.00  | 0.00   |
| Packaging Material, Steel      | 434.00  | -     |        |
| Packaging Material, Plastic    | 0.00    |       |        |
| Packaging Material, Lead       | 464.00  |       |        |
| Packaging Material, Steel Plug | 0.00    |       |        |

| Final Waste Form Descriptors         | TRUCON Codes | Final Form | Radionuclides         |
|--------------------------------------|--------------|------------|-----------------------|
| Category: Defense TRU Waste          | N/A          |            | Typical               |
| Residues: No                         |              | Isotope    | Concentration (Ci/m3) |
| Asbestos: N/A                        |              | Am-241     | 2.40E+02              |
| PCBs: No                             |              | Pu-238     | 4.84E+01              |
| Source: Facility/Equipment Operation |              | Pu-239     | 5.94E-01              |
| and Maintenance Waste                |              | Pu-240     | 8.93E-01              |
|                                      |              | Pu-241     | 2.29E+04              |
|                                      |              | Pu-242     | 5.61E-06              |

|                     |                   |                    |               | Waste Vo      | olume Det     | ail (Cubic n | neters) for TWB | IR ID : RL-W478 |                   |               |               |               |               |       |
|---------------------|-------------------|--------------------|---------------|---------------|---------------|--------------|-----------------|-----------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     |                   | Final Form Volumes |               |               |               |              |                 |                 |                   |               |               |               |               |       |
|                     | Stored Projected  |                    |               |               |               |              |                 | Stored          |                   | Proje         | ected         |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006      | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | Conta           | inerType        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| RH Canister         | 23.1              | 0.0                | 0.0           | 0.0           | 0.0           | 23.1         | RH Canister     |                 | 23.1              | 0.0           | 0.0           | 0.0           | 0.0           | 23.1  |
| As-Generated Stored | 23.1              | Projecte           | ed            | 0.0           | Total         | 23.1         | Final Form      | Stored          | 23.1              | Projecte      | ed            | 0.0           | Total         | 23.1  |

TWBIR ID: RL-W478

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

## TWBIR ID: RL-W479 Annex I TRII WASTE BASELINE INVENTORY WA

0.00

0.00

0.00

0.00

0.00

434.00

464.00

0.00

0.00

0.00

0.00

0.00

0.00

|                   |                |                              | TRU WA                   | STE BA | ASELINE | INVENTORY WASTE PROFILE                         |  |
|-------------------|----------------|------------------------------|--------------------------|--------|---------|---|--|
| HQ ID<br>Local ID | RL-W479<br>N/A | <u> </u>                     | Name 202/<br>or Site N// |        |         | eous S5900 Non-mixed  Form Heterogeneous Debris | Inventory Date 9/30/2002 Waste Matrix Code S5900 |
| EP                | A Codes        | Waste Material Para          | meters (kg               | /m3)   |         | Final Waste Form Descriptors TRUCON Code        | es Final Form Radionuclides                      |
| As-Generated      |                | Material Parameter           | Average                  | Lower  | Upper   | Category: Defense TRU Waste N/A                 | Typical  |
|                   | N/A            | Iron-Base Metal/Alloys       | 0.00                     | 0.00   | 0.00    | Residues: No                                    | Concentration (Ci/m2)                            |
|                   | _              | Aluminum-Base Metal/Alloys   | 0.00                     | 0.00   | 0.00    | Ashartasi N/A                                   | Isotope (Ci/m3)                                  |
|                   |                | Other Metal/Alloys           | 35.35                    | 35.35  | 101.16  | Asbestos: N/A                                   | Am-241 2.53E+02                                  |
|                   |                | Other Inorganic Materials    | 7.73                     | 1.26   | 25.36   | PCBs: No  | Pu-238 5.97E+01                                  |
|                   |                | Cellulosics                  | 3.63                     | 0.09   | 11.03   | Source: Facility/Equipment Operation            | Pu-239 9.19E-01                                  |
|                   |                | Rubber                       | 3.08                     | 1.80   | 8.56    | and Maintenance Waste                           | Pu-240 1.36E+00                                  |
|                   |                | Plastics                     | 17.10                    | 2.84   | 44.73   |   | Pu-241 3.69E+04                                  |
|                   |                | Solidified, Inorganic Matrix | 26.37                    | 11.04  | 66.98   |   | Pu-242 8.43E-06                                  |
|                   |                | Cement (Solidified)          | 0.00                     | 0.00   | 0.00    |   |  |

|                | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W479 |                   |               |               |               |               |       |              |                    |                   |               |               |               |               |       |
|----------------|---|-------------------|---------------|---------------|---------------|---------------|-------|--------------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                | As-Generated Volumes                                      |                   |               |               |               |               |       |              | Final Form Volumes |                   |               |               |               |               |       |
|                |   | Stored            |               | Proje         | ected         |               |       |              |                    | Stored            |               | Proje         | ected         |               |       |
| ContainerType  | •   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerTyp | ре                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| RH Canister    |   | 0.9               | 0.0           | 0.0           | 0.0           | 0.0           | 0.9   | RH Canister  |                    | 0.9               | 0.0           | 0.0           | 0.0           | 0.0           | 0.9   |
| As-Generated S | Stored  | 0.9               | Projecte      | ed            | 0.0           | Total         | 0.9   | Final Form   | Stored             | 0.9               | Projecte      | ed            | 0.0           | Total         | 0.9   |

Vitrified
Solidified, Organic Matrix

Soils

Packaging Material, Steel

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

TWBIR ID: RL-W479

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.               |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

## TWBIR ID: RL-W556 Annex I TRU WASTE BASELINE INVENTORY WAS

37.00

0.00

0.00

|                     |                |                              | TRU WA                       | STE BA | SELINE    | INVENTORY WASTE PROFILE                |               |                       |                    |
|---------------------|----------------|------------------------------|------------------------------|--------|-----------|--|---------------|-----------------------|--------------------|
| HQ ID<br>Local ID   | RL-W556<br>N/A | <u> </u>                     | n Name 2345<br>itor Site N// |        | CH unknow | n forms S9000 Mixed RCRA w/ org,met,Hg |               | Invento<br>Waste Matr | ory Date 9/30/2002 |
| EP                  | A Codes        | Waste Material Pa            | rameters (kg                 | /m3)   |           | Final Waste Form Descriptors           | TRUCON Codes  | Final Form            | Radionuclides      |
| As-Generated<br>N/A |                | Material Parameter           | Average                      | Lower  | Upper     | Category: Defense TRU Waste            | N/A           |                       | Typical            |
|                     |                | Iron-Base Metal/Alloys       | 2.90                         | 2.76   | 3.04      | Residues: No                           |               | lastona               | Concentration      |
|                     |                | Aluminum-Base Metal/Alloys   | 0.00                         | 0.00   | 0.00      |  | <u>1</u><br>7 | Isotope               | (Ci/m3)            |
|                     |                | Other Metal/Alloys           | 1.10                         | 1.10   | 1.10      | Asbestos: N/A                          | <u> </u>      | Am-241                | 6.36E+00           |
|                     |                | Other Inorganic Materials    | 0.00                         | 0.00   | 0.00      | PCBs: No                               | <u> </u>      | Pu-238                | 1.22E+00           |
|                     |                | Cellulosics Rubber Plastics  | 0.00                         | 0.00   | 0.00      | Source: Facility/Equipment Operation   |               | Pu-239                | 3.82E+01           |
|                     |                |                              | 0.00                         | 0.00   | 0.00      | and Maintenance Waste                  |               | Pu-240                | 8.47E+00           |
|                     |                |                              | 5.43                         | 5.14   | 5.71      |  |               | Pu-241                | 8.93E+01           |
|                     |                | Solidified, Inorganic Matrix | 10.37                        | 9.87   | 10.86     |  |               | Pu-242                | 6.49E-04           |
|                     |                | Cement (Solidified)          | 0.00                         | 0.00   | 0.00      |  |               |                       |                    |
|                     |                | Vitrified                    | 0.00                         | 0.00   | 0.00      |  |               |                       |                    |
|                     |                | Solidified, Organic Matrix   | 0.00                         | 0.00   | 0.00      |  |               |                       |                    |
|                     |                | Soils                        | 0.00                         | 0.00   | 0.00      |  |               |                       |                    |
|                     |                | Packaging Material, Steel    | 131.00                       | •      | •         |  |               |                       |                    |

|                     |                   |               |               | Waste V       | olume Det     | ail (Cubic m       | eters) for TWBIR ID : RL-W556 |                   |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------------|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               | Final Form Volumes |                               |                   |               |               |               |               |       |
|                     | Stored Projected  |               |               | ected         |               |                    |                               | Stored            |               | Proje         | ected         |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total              | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4                | 55 Gallon Drum                | 0.4               | 0.0           | 0.0           | 0.0           | 0.0           | 0.4   |
| As-Generated Stored | 0.4               | Projecto      | ed            | 0.0           | Total         | 0.4                | Final Form Stored             | 0.4               | Projecte      | ed            | 0.0           | Total         | 0.4   |

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

TWBIR ID: RL-W556

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

### TWBIR ID: RL-W557 Annex I

|                   |                |  | TRU WA      | STE BA | ASELINE   | INVENTORY WASTE PROFILE              |                                       |   |               |  |  |  |
|-------------------|----------------|--|-------------|--------|-----------|--------------------------------------|---------------------------------------|---|---------------|--|--|--|
| HQ ID<br>Local ID | RL-W557<br>N/A | Handling CH Stream Waste Type MTRU Generat |             | -      | CH unknow | n forms S9000 Mixed RCRA w/ org,ign  |                                       | Inventory Date 9/30/200 Waste Matrix Code S9000 |               |  |  |  |
| EP                | A Codes        | Waste Material Para                        | ameters (kg | /m3)   |           | Final Waste Form Descriptors         | TRUCON Codes                          | Final Form Radionuclides                        |               |  |  |  |
| As-C              | Generated      | Material Parameter                         | Average     | Lower  | Upper     | Category: Defense TRU Waste          | N/A                                   |   | Typical       |  |  |  |
|                   | N/A            | Iron-Base Metal/Alloys                     | 0.00        | 0.00   | 0.00      | Residues: No                         | · · · · · · · · · · · · · · · · · · · | Isotope   | Concentration |  |  |  |
|                   |                | Aluminum-Base Metal/Alloys                 | 0.00        | 0.00   | 0.00      | Asbestos: N/A                        |                                       | isotope   | (Ci/m3)       |  |  |  |
|                   |                | Other Metal/Alloys                         | 0.00        | 0.00   | 0.00      |                                      |                                       | Am-241  | 4.18E-04      |  |  |  |
|                   |                | Other Inorganic Materials                  | 0.00        | 0.00   | 0.00      | PCBs: No                             | r                                     | Pu-238  | 1.35E-04      |  |  |  |
|                   |                | Cellulosics                                | 9.52        | 9.52   | 9.52      | Source: Facility/Equipment Operation |                                       | Pu-239  | 5.07E-03      |  |  |  |
|                   |                | Rubber                                     | 0.00        | 0.00   | 0.00      | and Maintenance Waste                |                                       | Pu-240  | 1.14E-03      |  |  |  |
|                   |                | Plastics                                   | 61.90       | 61.90  | 61.90     |                                      |                                       | Pu-241  | 1.68E-02      |  |  |  |
|                   |                | Solidified, Inorganic Matrix               | 47.62       | 47.62  | 47.62     |                                      |                                       | Pu-242  | 6.84E-08      |  |  |  |
|                   |                | Cement (Solidified)                        | 0.00        | 0.00   | 0.00      |                                      |                                       |   |               |  |  |  |
|                   |                | Vitrified                                  | 0.00        | 0.00   | 0.00      |                                      |                                       |   |               |  |  |  |

|                     |                   |               |               | Waste V       | olume Det     | ail (Cubic m | eters) for TWBIR ID : RL-W557 |                   |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |              | Final Form Volumes            |                   |               |               |               |               |       |
|                     | Stored            |               | Proje         | ected         |               |              | Stored Projected              |                   |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2          | 55 Gallon Drum                | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored | 0.2               | Projecto      | ed            | 0.0           | Total         | 0.2          | Final Form Stored             | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2   |

Solidified, Organic Matrix

Soils

Packaging Material, Steel

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

36.67

110.95

131.00

37.00

0.00

36.67

110.95

36.67

110.95

TWBIR ID: RL-W557

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W558 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

RL-W558 CH Stream Name 2345Z MTRU CH unknown forms S9000 Mixed RCRA w/ org Inventory Date 9/30/2002 HQ ID Handling Waste Type MTRU Local ID N/A **Generator Site** N/A Final Waste Form N/A **Waste Matrix Code** S9000 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Upper Category: Defense TRU Waste As-Generated **Material Parameter** Average Lower N/A Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 6.00 6.00 6.00 Am-241 2.86E-01 PCBs: No 2.52 2.52 2.52 Other Inorganic Materials Ba-137m 4.70E-03 0.00 0.00 Source: Facility/Equipment Operation Cs-137 5.11E-03 Cellulosics 0.00 and Maintenance Waste 11.10 11.10 11.10 Rubber Pu-238 1.55E-01 **Plastics** 51.71 51.71 51.71 Pu-239 1.94E+00 92.62 92.62 92.62 4.32E-01 Solidified, Inorganic Matrix Pu-240 Cement (Solidified) 0.00 Pu-241 0.00 0.00 1.05E+01 0.00 0.00 0.00 Vitrified Pu-242 2.62E-05 Solidified, Organic Matrix 16.05 16.05 4.68E-03 16.05 Sr-90 Soils 0.00 0.00 0.00 Tc-99 1.04E-06 Packaging Material, Steel 4.68E-03 131.00 Y-90 Packaging Material, Plastic 37.00 Packaging Material, Lead 0.00

|                     |                      |               |               | Waste V       | olume Det     | tail (Cubic n | net | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W558 |                   |               |               |               |               |       |  |  |  |  |  |  |
|---------------------|----------------------|---------------|---------------|---------------|---------------|---------------|-----|---|-------------------|---------------|---------------|---------------|---------------|-------|--|--|--|--|--|--|
|                     | As-Generated Volumes |               |               |               |               |               |     | Final Form Volumes  |                   |               |               |               |               |       |  |  |  |  |  |  |
|                     | Stored Projected     |               |               |               |               |               |     | Stored Projected  |                   |               |               |               |               |       |  |  |  |  |  |  |
| ContainerType       | End of<br>CY 2001    | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total         |     | ContainerType   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |  |  |  |  |
| 55 Gallon Drum      | 0.2                  | 0.0           | 0.0           | 0.0           | 0.0           | 0.2           | ,   | 55 Gallon Drum  | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |  |  |  |  |  |  |
| As-Generated Stored | 0.2                  | Projecto      | ed            | 0.0           | Total         | 0.2           | ı   | Final Form Stored   | 0.2               | Project       | ed            | 0.0           | Total         | 0.2   |  |  |  |  |  |  |

Packaging Material, Steel Plug

0.00

TWBIR ID: RL-W558

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

### TWBIR ID: RL-W559 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|                   |                |                                | IKU WA                   | SIEDA  | ASELINE   | INVENTORY WASTE PROFILE              |               |                 |                                       |
|-------------------|----------------|--------------------------------|--------------------------|--------|-----------|--------------------------------------|---------------|-----------------|---------------------------------------|
| HQ ID<br>Local ID | RL-W559<br>N/A |                                | Name 2345<br>or Site N/A |        | CH unknov | vn forms S9000 Mixed RCRA w/ met,ign |               | Invent          | ory Date 9/30/2002<br>rix Code \$9000 |
| EP                | A Codes        | Waste Material Para            |                          |        |           | Final Waste Form Descriptors         | TRUCON Codes  | —<br>Final Forn | n Radionuclides                       |
| As-C              | Generated      | Material Parameter             | Average                  | Lower  | Upper     | Category: Defense TRU Waste          | N/A           |                 | Typical                               |
|                   | N/A            | Iron-Base Metal/Alloys         | 0.00                     | 0.00   | 0.00      | Residues: No                         |               |                 | Concentration                         |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00                     | 0.00   | 0.00      |                                      | <del>- </del> | Isotope         | (Ci/m3)                               |
|                   |                | Other Metal/Alloys             | 0.00                     | 0.00   | 0.00      | Asbestos: N/A                        | ╛             | Am-241          | 3.89E-03                              |
|                   |                | Other Inorganic Materials      | 0.00                     | 0.00   | 0.00      | PCBs: No                             |               | Pu-238          | 1.60E-03                              |
|                   |                | Cellulosics                    | 3.86                     | 3.86   | 3.86      | Source: Facility/Equipment Operation |               | Pu-239          | 5.85E-02                              |
|                   |                | Rubber                         | 0.00                     | 0.00   | 0.00      | and Maintenance Waste                |               | Pu-240          | 1.31E-02                              |
|                   |                | Plastics                       | 153.57                   | 153.57 | 153.57    |                                      |               | Pu-241          | 2.23E-01                              |
|                   |                | Solidified, Inorganic Matrix   | 114.00                   | 114.00 | 114.00    |                                      |               | Pu-242          | 7.89E-07                              |
|                   |                | Cement (Solidified)            | 0.00                     | 0.00   | 0.00      |                                      |               | <u> </u>        |                                       |
|                   |                | Vitrified                      | 0.00                     | 0.00   | 0.00      |                                      |               |                 |                                       |
|                   |                | Solidified, Organic Matrix     | 0.00                     | 0.00   | 0.00      |                                      |               |                 |                                       |
|                   |                | Soils                          | 100.00                   | 100.00 | 100.00    |                                      |               |                 |                                       |
|                   |                | Packaging Material, Steel      | 131.00                   | •      | -         |                                      |               |                 |                                       |
|                   |                | Packaging Material, Plastic    | 37.00                    |        |           |                                      |               |                 |                                       |
|                   |                | Packaging Material, Lead       | 0.00                     |        |           |                                      |               |                 |                                       |
|                   |                | Packaging Material, Steel Plug | 0.00                     |        |           |                                      |               |                 |                                       |

|                     |                   |               |               | Waste V       | olume Det     | ail (Cubic m | eters) for TWBIR ID : RL-W559 |                   |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |              | Final Form Volumes            |                   |               |               |               |               |       |
|                     | Stored            |               | Proje         | ected         |               |              | Stored Projected              |                   |               |               |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2          | 55 Gallon Drum                | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored | 0.2               | Projecto      | ed            | 0.0           | Total         | 0.2          | Final Form Stored             | 0.2               | Projecto      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: RL-W559

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W560 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | RL-W560<br>N/A           | <u> </u>                       | Name 2345<br>or Site N// |       | CH unknov | n forms S9000 Mixed RCRA w/ met      |               | Invento<br>Waste Matr | ory Date 9/30/2002 |
|-------------------|--------------------------|--------------------------------|--------------------------|-------|-----------|--------------------------------------|---------------|-----------------------|--------------------|
| EP                | A Codes                  | Waste Material Para            | meters (kg               | /m3)  |           | Final Waste Form Descriptors         | TRUCON Codes  | Final Form            | Radionuclides      |
| As-0              | Generated                | Material Parameter             | Average                  | Lower | Upper     | Category: Defense TRU Waste          | N/A           |                       | Typical            |
|                   | N/A                      | Iron-Base Metal/Alloys         | 78.52                    | 4.64  | 940.38    | Residues: No                         |               | lootono               | Concentration      |
|                   | Aluminum-Base Metal/Allo |                                | 0.00                     | 0.00  | 0.00      | Asbestos: N/A                        | <u>.</u><br>T | Isotope               | (Ci/m3)            |
|                   |                          | Other Metal/Alloys             | 2.72                     | 0.05  | 14.59     |                                      | <u> </u>      | Am-241                | 7.35E+00           |
|                   |                          | Other Inorganic Materials      | 26.66                    | 26.66 | 191.91    | PCBs: No                             |               | Pu-238                | 8.30E-01           |
|                   |                          | Cellulosics                    | 1.37                     | 0.05  | 19.04     | Source: Facility/Equipment Operation |               | Pu-239                | 2.17E+01           |
|                   |                          | Rubber                         | 23.46                    | 11.99 | 118.99    | and Maintenance Waste                | <u>l</u>      | Pu-240                | 5.69E+00           |
|                   |                          | Plastics                       | 15.99                    | 3.76  | 95.20     |                                      |               | Pu-241                | 4.89E+01           |
|                   |                          | Solidified, Inorganic Matrix   | 16.37                    | 10.04 | 170.96    |                                      |               | Pu-242                | 5.06E-04           |
|                   |                          | Cement (Solidified)            | 0.00                     | 0.00  | 0.00      |                                      |               |                       |                    |
|                   |                          | Vitrified                      | 0.00                     | 0.00  | 0.00      |                                      |               |                       |                    |
|                   |                          | Solidified, Organic Matrix     | 0.00                     | 0.00  | 0.00      |                                      |               |                       |                    |
|                   |                          | Soils                          | 15.86                    | 15.12 | 83.53     |                                      |               |                       |                    |
|                   |                          | Packaging Material, Steel      | 131.00                   | •     |           |                                      |               |                       |                    |
|                   |                          | Packaging Material, Plastic    | 37.00                    |       |           |                                      |               |                       |                    |
|                   |                          | Packaging Material, Lead       | 0.00                     |       |           |                                      |               |                       |                    |
|                   |                          | Packaging Material, Steel Plug | 0.00                     |       |           |                                      |               |                       |                    |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W560 |               |               |               |               |       |                   |                    |               |               |               |               |       |  |
|---------------------|---|---------------|---------------|---------------|---------------|-------|-------------------|--------------------|---------------|---------------|---------------|---------------|-------|--|
|                     | As-Generated Volumes                                      |               |               |               |               |       |                   | Final Form Volumes |               |               |               |               |       |  |
|                     | Stored  |               | Proje         | ected         |               |       | Stored Projected  |                    |               |               |               |               |       |  |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001  | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| 55 Gallon Drum      | 4.0   | 0.0           | 0.0           | 0.0           | 0.0           | 4.0   | 55 Gallon Drum    | 4.0                | 0.0           | 0.0           | 0.0           | 0.0           | 4.0   |  |
| As-Generated Stored | 4.0   | Projecte      | ed            | 0.0           | Total         | 4.0   | Final Form Stored | 4.0                | Projecte      | ed            | 0.0           | Total         | 4.0   |  |

TWBIR ID: RL-W560

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

### TWBIR ID: RL-W561 Annex I THI WASTE BASELINE INVENTORY

0.00

0.00

|                   |                |                              | TRU WA                   | STE BA     | SELINE    | INVENTORY WASTE PROFILE                 |              |                          |                                      |  |  |
|-------------------|----------------|------------------------------|--------------------------|------------|-----------|---|--------------|--------------------------|--------------------------------------|--|--|
| HQ ID<br>Local ID | RL-W561<br>N/A | <u> </u>                     | Name 2345<br>or Site N// |            | CH unknov | vn forms S9000 Mixed RCRA w/ met,Hg,cor |              | Invento<br>Waste Matr    | ory Date 9/30/2002<br>ix Code \$9000 |  |  |
| EP.               | A Codes        | Waste Material Para          | ameters (kg              | /m3)       |           | Final Waste Form Descriptors            | TRUCON Codes | Final Form Radionuclides |                                      |  |  |
| As-G              | Senerated      | Material Parameter           | Average Lower Upper      |            | Upper     | Category: Defense TRU Waste             | N/A          |                          | Typical                              |  |  |
|                   | N/A            | Iron-Base Metal/Alloys       | 0.00                     | 0.00       | 0.00      | Residues: No                            | <u> </u>     | lootono                  | Concentration                        |  |  |
|                   |                | Aluminum-Base Metal/Alloys   | 0.00                     | 0.00       | 0.00      |   | 1            | Isotope                  | (Ci/m3)                              |  |  |
|                   |                | Other Metal/Alloys           | 0.33                     | 0.33       | 0.33      | Asbestos: N/A                           | <u> </u>     | Am-241                   | 1.16E-03                             |  |  |
|                   |                | Other Inorganic Materials    | 0.38                     | 0.38       | 0.38      | PCBs: No                                | ]            | Pu-238                   | 4.37E-04                             |  |  |
|                   |                | Cellulosics                  | 14.71                    | 14.71      | 14.71     | Source: Facility/Equipment Operation    | 1            | Pu-239                   | 1.61E-02                             |  |  |
|                   |                | Rubber                       | 33.52                    | 33.52      | 33.52     | and Maintenance Waste                   | ]            | Pu-240                   | 3.61E-03                             |  |  |
|                   |                | Plastics                     | 25.14                    | 25.14      | 25.14     |   |              | Pu-241                   | 5.87E-02                             |  |  |
|                   |                | Solidified, Inorganic Matrix | 166.95                   | 166.95     | 166.95    |   |              | Pu-242                   | 2.18E-07                             |  |  |
|                   |                | Cement (Solidified)          | 0.00                     | 0.00       | 0.00      |   |              |                          |                                      |  |  |
|                   |                | Vitrified                    | 0.00                     | 0.00       | 0.00      |   |              |                          |                                      |  |  |
|                   |                | Solidified, Organic Matrix   | 0.00                     | 0.00       | 0.00      |   |              |                          |                                      |  |  |
|                   |                | Soils                        | 44.67                    | 44.67      | 44.67     |   |              |                          |                                      |  |  |
|                   |                | Packaging Material, Steel    | 131.00                   | <u>u</u> . |           |   |              |                          |                                      |  |  |
|                   |                | Packaging Material, Plastic  | 37.00                    |            |           |   |              |                          |                                      |  |  |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W561 |               |               |               |               |       |                    |                   |               |               |               |               |       |  |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |  |
|                     | Stored  |               | Proje         | ected         |               |       | Stored Projected   |                   |               |               |               |               |       |  |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| 55 Gallon Drum      | 0.2   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   | 55 Gallon Drum     | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |  |
| As-Generated Stored | 0.2   | Projecte      | ed            | 0.0           | Total         | 0.2   | Final Form Stored  | 0.2               | Projecto      | ed            | 0.0           | Total         | 0.2   |  |

Packaging Material, Lead
Packaging Material, Steel Plug

TWBIR ID: RL-W561

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

## TWBIR ID: RL-W562 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|                   |                |                                | 1110 117                 | OIL DA | TOLLINE   | INVENTORY WASTET ROTTLE              |              |                    |                                       |
|-------------------|----------------|--------------------------------|--------------------------|--------|-----------|--------------------------------------|--------------|--------------------|---------------------------------------|
| HQ ID<br>Local ID | RL-W562<br>N/A | <u> </u>                       | Name 2345<br>or Site N// |        | CH unknow | rn forms S9000 Mixed RCRA w/ met,Hg  |              | Invento Waste Mati | ory Date 9/30/2002<br>rix Code \$9000 |
| EP                | A Codes        | Waste Material Para            | meters (kg               | /m3)   |           | Final Waste Form Descriptors         | TRUCON Codes | Final Form         | Radionuclides                         |
| As-0              | Generated      | Material Parameter             | Average                  | Lower  | Upper     | Category: Defense TRU Waste          | N/A          |                    | Typical                               |
|                   | N/A            | Iron-Base Metal/Alloys         | 102.63                   | 102.63 | 206.45    | Residues: No                         | <u> </u>     | lastana            | Concentration                         |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00                     | 0.00   | 0.00      |                                      | †            | Isotope            | (Ci/m3)                               |
|                   |                | Other Metal/Alloys             | 4.99                     | 0.10   | 11.78     | Asbestos: N/A                        | <u>]</u>     | Am-241             | 3.68E-02                              |
|                   |                | Other Inorganic Materials      | 3.24                     | 0.24   | 14.23     | PCBs: No                             | 1            | Pu-238             | 1.38E-02                              |
|                   |                | Cellulosics                    | 19.89                    | 0.05   | 64.94     | Source: Facility/Equipment Operation | Ī            | Pu-239             | 5.09E-01                              |
|                   |                | Rubber                         | 100.57                   | 43.82  | 147.58    | and Maintenance Waste                | ]            | Pu-240             | 1.14E-01                              |
|                   |                | Plastics                       | 30.37                    | 9.63   | 50.24     |                                      |              | Pu-241             | 1.85E+00                              |
|                   |                | Solidified, Inorganic Matrix   | 53.51                    | 0.09   | 194.54    |                                      |              | Pu-242             | 6.86E-06                              |
|                   |                | Cement (Solidified)            | 0.00                     | 0.00   | 0.00      |                                      |              |                    |                                       |
|                   |                | Vitrified                      | 0.00                     | 0.00   | 0.00      |                                      |              |                    |                                       |
|                   |                | Solidified, Organic Matrix     | 0.00                     | 0.00   | 0.00      |                                      |              |                    |                                       |
|                   |                | Soils                          | 51.86                    | 26.77  | 74.29     |                                      |              |                    |                                       |
|                   |                | Packaging Material, Steel      | 131.00                   | •      | •         |                                      |              |                    |                                       |
|                   |                | Packaging Material, Plastic    | 37.00                    |        |           |                                      |              |                    |                                       |
|                   |                | Packaging Material, Lead       | 0.00                     |        |           |                                      |              |                    |                                       |
|                   |                | Packaging Material, Steel Plug | 0.00                     |        |           |                                      |              |                    |                                       |

|                     |                   |               |               | Waste V       | olume Det     | ail (Cubic m | eters) for TWBIR ID : RL-W56 | 2                 |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------|------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |              | Final Form Volumes           |                   |               |               |               |               |       |
| Stored Projected    |                   |               |               |               |               |              |                              | Stored            |               | Proje         | ected         |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 1.0               | 0.0           | 0.0           | 0.0           | 0.0           | 1.0          | 55 Gallon Drum               | 1.0               | 0.0           | 0.0           | 0.0           | 0.0           | 1.0   |
| As-Generated Stored | 1.0               | Projecte      | ed            | 0.0           | Total         | 1.0          | Final Form Stored            | 1.0               | Projecte      | ed            | 0.0           | Total         | 1.0   |

TWBIR ID: RL-W562

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W577 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|                   |                |                                | 1110 117                 | OIL D | VOL LIIVE                | INVERTION WASTE I NOTICE                  |                       |                                       |
|-------------------|----------------|--------------------------------|--------------------------|-------|--------------------------|---|-----------------------|---------------------------------------|
| HQ ID<br>Local ID | RL-W577<br>N/A |                                | Name 2345<br>or Site N/A |       | H unknown<br>nal Waste I | forms S9000 Non-mixed                     | Invento<br>Waste Matr | ory Date 9/30/2002<br>Fix Code \$9000 |
| EP                | A Codes        | Waste Material Para            | meters (kg               | /m3)  |                          | Final Waste Form Descriptors TRUCON Codes | Final Form            | Radionuclides                         |
| As-               | Generated      | Material Parameter             | Average                  | Lower | Upper                    | Category: Defense TRU Waste N/A           |                       | Typical                               |
|                   | N/A            | Iron-Base Metal/Alloys         | 0.00                     | 0.00  | 0.00                     | Residues: No                              | lastana               | Concentration                         |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00                     | 0.00  | 0.00                     |   | Isotope               | (Ci/m3)                               |
|                   |                | Other Metal/Alloys             | 10.11                    | 8.25  | 24.74                    | Asbestos: N/A                             | Am-241                | 3.01E+02                              |
|                   |                | Other Inorganic Materials      | 24.84                    | 8.25  | 164.82                   | PCBs: No                                  | Pu-238                | 4.70E+01                              |
|                   |                | Cellulosics                    | 0.00                     | 0.00  | 0.00                     | Source: Facility/Equipment Operation      | Pu-239                | 9.47E-01                              |
|                   |                | Rubber                         | 0.00                     | 0.00  | 0.00                     | and Maintenance Waste                     | Pu-240                | 3.88E+00                              |
|                   |                | Plastics                       | 24.72                    | 24.72 | 28.86                    |   | Pu-241                | 2.77E+04                              |
|                   |                | Solidified, Inorganic Matrix   | 20.22                    | 20.22 | 24.74                    |   | Pu-242                | 3.65E-05                              |
|                   |                | Cement (Solidified)            | 0.00                     | 0.00  | 0.00                     |   |                       |                                       |
|                   |                | Vitrified                      | 0.00                     | 0.00  | 0.00                     |   |                       |                                       |
|                   |                | Solidified, Organic Matrix     | 0.00                     | 0.00  | 0.00                     |   |                       |                                       |
|                   |                | Soils                          | 77.15                    | 41.23 | 148.43                   |   |                       |                                       |
|                   |                | Packaging Material, Steel      | 434.00                   | -     |                          |   |                       |                                       |
|                   |                | Packaging Material, Plastic    | 0.00                     |       |                          |   |                       |                                       |
|                   |                | Packaging Material, Lead       | 464.00                   |       |                          |   |                       |                                       |
|                   |                | Packaging Material, Steel Plug | 0.00                     |       |                          |   |                       |                                       |

|                     |                   |               |               | Waste V       | olume Det     | ail (Cubic m | eters) for TWBIR ID : F | RL-W577 |                   |               |               |               |               |       |  |
|---------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-------------------------|---------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                     | As-Gen            | erated Vol    | umes          |               |               |              | Final Form Volumes      |         |                   |               |               |               |               |       |  |
|                     | Stored Projected  |               |               |               |               |              |                         |         | Stored            |               | Proje         | ected         |               |       |  |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType           |         | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| RH Canister         | 2.7               | 0.0           | 0.0           | 0.0           | 0.0           | 2.7          | RH Canister             |         | 2.7               | 0.0           | 0.0           | 0.0           | 0.0           | 2.7   |  |
| As-Generated Stored | 2.7               | Projecte      | ed            | 0.0           | Total         | 2.7          | Final Form              | Stored  | 2.7               | Projecte      | d             | 0.0           | Total         | 2.7   |  |

TWBIR ID: RL-W577

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W578 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

RL-W578 RH Stream Name 2345Z TRU RH unknown forms U9999 Non-mixed Inventory Date 9/30/2002 Handling HQ ID Local ID N/A Waste Type TRU **Generator Site** N/A Final Waste Form N/A **Waste Matrix Code** U9999 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Category: Defense TRU Waste As-Generated **Material Parameter** Average Lower Upper N/A Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No Isotope (Ci/m3) Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 0.00 0.00 0.00 Am-241 1.10E+01 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 Pu-238 2.67E+00 0.00 0.00 Source: Facility/Equipment Operation Cellulosics 0.00 Pu-239 1.28E-01 and Maintenance Waste 0.00 0.00 Rubber 0.00 Pu-240 1.04E-01 **Plastics** 0.00 0.00 0.00 Pu-241 7.26E+02 0.00 0.00 Solidified, Inorganic Matrix 0.00 Pu-242 1.07E-07 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 868.00 Packaging Material, Plastic 0.00 928.00 Packaging Material, Lead Packaging Material, Steel Plug 0.00

|              |                   |               |               |               | Waste Vo      | olume De | tail (Cubic m |
|--------------|-------------------|---------------|---------------|---------------|---------------|----------|---------------|
|              |                   | As-Gene       | erated Vo     | lumes         |               |          |               |
|              |                   | Stored        |               | Proje         | ected         |          |               |
| ContainerTy  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total    |               |
| RH Canister  |                   | 5.3           | 0.0           | 0.0           | 0.0           | 0.0      | 5.3           |
| As-Generated | Stored            | 5.3           | Projecte      | ed            | 0.0           | Total    | 5.3           |

| Final Form Volumes |                             |   |   |   |  |  |  |  |  |  |  |  |
|--------------------|-----------------------------|---|---|---|--|--|--|--|--|--|--|--|
| Stored Projected   |                             |   |   |   |  |  |  |  |  |  |  |  |
| End of<br>CY 2001  | 2002-<br>2006               | 2007-<br>2016                           | 2017-<br>2026   | 2027-<br>2036   | Total  |  |  |  |  |  |  |  |
| 0.0                | 0.0                         | 0.0                                     | 0.0   | 0.0   | 0.0  |  |  |  |  |  |  |  |
| 5.3                | 0.0                         | 0.0                                     | 0.0   | 0.0   | 5.3  |  |  |  |  |  |  |  |
|                    | Stored<br>End of<br>CY 2001 | Stored End of CY 2001 2006 2006 0.0 0.0 | Stored End of CY 2001         2002-2006         2007-2016           0.0         0.0         0.0 | Stored End of CY 2001         2002- 2007- 2016         2017- 2026           0.0         0.0         0.0         0.0 | Stored End of CY 2001         2002- 2006         2017- 2026         2017- 2036           0.0         0.0         0.0         0.0         0.0 |  |  |  |  |  |  |  |

TWBIR ID: RL-W578

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

TWBIR ID: RL-W609

| HQ ID<br>Local ID | RL-W609<br>N/A | <u> </u>                       | Name 324<br>or Site N// |   | l unknown | forms S9000 Mixed RCRA w/ org,met,Hg Form N/A |          | Invento<br>Waste Matr | ory Date 9/30/200<br>ix Code \$9000 |  |  |
|-------------------|----------------|--------------------------------|-------------------------|---|-----------|---|----------|-----------------------|-------------------------------------|--|--|
| EP                | A Codes        | Waste Material Para            | meters (kg              | rs (kg/m3) Final Waste Form Descriptors TRUCC |           |   |          | Final Form Radion     |                                     |  |  |
| As-G              | enerated       | Material Parameter             | Average                 | Lower   | Upper     | Category: Defense TRU Waste                   | N/A      |                       | Typical                             |  |  |
|                   | N/A            | Iron-Base Metal/Alloys         | 985.71                  | 985.71  | 985.71    | Residues: No                                  | <u> </u> | lostens               | Concentration                       |  |  |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00  | 0.00      | Asbestos: N/A                                 | ╡        | Isotope               | (Ci/m3)                             |  |  |
|                   |                | Other Metal/Alloys             | 480.95                  | 480.95  | 480.95    |   | <u> </u> | Am-241                | 2.05E-04                            |  |  |
|                   |                | Other Inorganic Materials      | 110.62                  | 110.62  | 110.62    | PCBs: No                                      | <u></u>  | Ba-137m               | 2.78E-02                            |  |  |
|                   |                | Cellulosics                    | 0.00                    | 0.00  | 0.00      | Source: R&D/R&D Laboratory Waste              | 7        | Cs-137                | 2.94E-02                            |  |  |
|                   |                | Rubber                         | 0.00                    | 0.00  | 0.00      |   | <b>-</b> | Pu-239                | 5.78E-04                            |  |  |
|                   |                | Plastics                       | 0.00                    | 0.00  | 0.00      |   |          | Sr-90                 | 2.90E-01                            |  |  |
|                   |                | Solidified, Inorganic Matrix   | 9.29                    | 9.29  | 9.29      |   |          | Y-90                  | 2.90E-01                            |  |  |
|                   |                | Cement (Solidified)            | 0.00                    | 0.00  | 0.00      |   |          |                       |                                     |  |  |
|                   |                | Vitrified                      | 0.00                    | 0.00  | 0.00      |   |          |                       |                                     |  |  |
|                   |                | Solidified, Organic Matrix     | 0.00                    | 0.00  | 0.00      |   |          |                       |                                     |  |  |
|                   |                | Soils                          | 0.00                    | 0.00  | 0.00      |   |          |                       |                                     |  |  |
|                   |                | Packaging Material, Steel      | 131.00                  |   | -         |   |          |                       |                                     |  |  |
|                   |                | Packaging Material, Plastic    | 37.00                   |   |           |   |          |                       |                                     |  |  |
|                   |                | Packaging Material, Lead       | 0.00                    |   |           |   |          |                       |                                     |  |  |
|                   |                | Packaging Material, Steel Plug | 0.00                    |   |           |   |          |                       |                                     |  |  |

|                  |                      |                   |               |               | Waste V       | olume Det     | ail (Cubic m | eters) for TWBIR ID : R | L-W609             |                   |               |               |               |               |       |
|------------------|----------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-------------------------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                  | As-Generated Volumes |                   |               |               |               |               |              |                         | Final Form Volumes |                   |               |               |               |               |       |
| Stored Projected |                      |                   |               |               |               |               |              | Stored                  |                    | Proje             | cted          |               |               |               |       |
| ContainerType    |                      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType           | e                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum   |                      | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2          | 55 Gallon Drum          |                    | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated S   | Stored               | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2          | Final Form              | Stored             | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: RL-W609

| Waste Stream Description          | The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.   |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W650 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

RL-W650 CH Stream Name 325 TRU CH unknown forms S9000 Non-mixed Inventory Date 9/30/2002 Handling HQ ID Local ID N/A Waste Type TRU Generator Site N/A Final Waste Form N/A **Waste Matrix Code** S9000 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Upper Category: Defense TRU Waste As-Generated **Material Parameter** Average Lower N/A Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 0.63 0.63 0.63 Am-241 4.92E-02 PCBs: No 208.44 Other Inorganic Materials 208.44 208.44 Ba-137m 1.08E-01 3.35 3.35 Source: R&D/R&D Laboratory Waste Cs-137 Cellulosics 3.35 1.14E-01 11.10 11.10 Rubber 11.10 Pu-238 7.98E-03 **Plastics** 76.48 76.48 76.48 Pu-239 7.47E-03 0.00 0.00 6.62E-03 Solidified, Inorganic Matrix 0.00 Pu-240 Cement (Solidified) 0.00 0.00 0.00 Pu-241 7.35E-01 0.00 0.00 0.00 Vitrified Sr-90 4.89E-01 Solidified, Organic Matrix 0.00 0.00 0.00 Y-90 4.89E-01 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 37.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                      | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W650 |               |               |               |               |       |   |                    |                   |               |               |               |               |       |
|----------------------|---|---------------|---------------|---------------|---------------|-------|---|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes |   |               |               |               |               |       |   | Final Form Volumes |                   |               |               |               |               |       |
| Stored Projected     |   |               |               |               |               | ĺ     |   | Stored             |                   | Proje         | ected         |               |               |       |
| ContainerType        | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |   | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum       | 0.2   | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   | 5 | 55 Gallon Drum     | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored  | 0.2   | Projecte      | ed            | 0.0           | Total         | 0.2   | F | Final Form Stored  | 0.2               | Projecto      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: RL-W650

| Waste Stream Description          | The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.   |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W651 TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | RL-W651<br>N/A |                                | Name 325<br>or Site N/A |       | l unknown f | orms S9000 Mixed RCRA w/ org,met |              | Invento Waste Matr | ory Date 9/30/2000<br>rix Code S9000 |
|-------------------|----------------|--------------------------------|-------------------------|-------|-------------|----------------------------------|--------------|--------------------|--------------------------------------|
| El                | PA Codes       | Waste Material Para            | meters (kg              | /m3)  |             | Final Waste Form Descriptors     | TRUCON Codes | Final Form         | Radionuclides                        |
| As-Generated      |                | Material Parameter             | Average                 | Lower | Upper       | Category: Defense TRU Waste      | N/A          |                    | Typical                              |
| N/A               |                | Iron-Base Metal/Alloys         | 0.02                    | 0.02  | 0.02        | Residues: No                     | <u></u>      | la atama           | Concentration                        |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00  | 0.00        |                                  | <u></u><br>T | Isotope            | (Ci/m3)                              |
|                   |                | Other Metal/Alloys             | 42.86                   | 42.86 | 42.86       | Asbestos: N/A                    | <u> </u>     | Am-241             | 3.31E-01                             |
|                   |                | Other Inorganic Materials      | 47.62                   | 47.62 | 47.62       | PCBs: No                         | <u> </u>     | Ba-137m            | 9.98E-02                             |
|                   |                | Cellulosics                    | 0.16                    | 0.16  | 0.16        | Source: R&D/R&D Laboratory Waste |              | Cs-137             | 1.05E-01                             |
|                   |                | Rubber                         | 0.00                    | 0.00  | 0.00        | •                                | _            | Pu-238             | 9.40E-02                             |
|                   |                | Plastics                       | 52.38                   | 52.38 | 52.38       |                                  |              | Pu-239             | 4.90E-02                             |
|                   |                | Solidified, Inorganic Matrix   | 27.23                   | 23.42 | 32.94       |                                  |              | Pu-240             | 3.33E-03                             |
|                   |                | Cement (Solidified)            | 0.00                    | 0.00  | 0.00        |                                  |              | Sr-90              | 2.03E+00                             |
|                   |                | Vitrified                      | 0.00                    | 0.00  | 0.00        |                                  |              | Y-90               | 2.03E+00                             |
|                   |                | Solidified, Organic Matrix     | 0.00                    | 0.00  | 0.00        |                                  |              | ,                  |                                      |
|                   |                | Soils                          | 0.00                    | 0.00  | 0.00        |                                  |              |                    |                                      |
|                   |                | Packaging Material, Steel      | 131.00                  | •     |             |                                  |              |                    |                                      |
|                   |                | Packaging Material, Plastic    | 37.00                   |       |             |                                  |              |                    |                                      |
|                   |                | Packaging Material, Lead       | 0.00                    |       |             |                                  |              |                    |                                      |
|                   |                | Packaging Material, Steel Plug | 0.00                    |       |             |                                  |              |                    |                                      |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W651 |               |               |               |               |                  |                    |        |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|------------------|--------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vol    | umes          |               |               |                  | Final Form Volumes |        |                   |               |               |               |               |       |
| Stored Projected    |   |               |               |               |               | Stored Projected |                    |        |                   |               | Projected     |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total            | ContainerTyp       | е      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum      | 1.0   | 0.0           | 0.0           | 0.0           | 0.0           | 1.0              | 55 Gallon Drum     |        | 1.0               | 0.0           | 0.0           | 0.0           | 0.0           | 1.0   |
| As-Generated Stored | 1.0   | Projecte      | d             | 0.0           | Total         | 1.0              | Final Form         | Stored | 1.0               | Projecte      | ed            | 0.0           | Total         | 1.0   |

TWBIR ID: RL-W651

| Waste Stream Description          | The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.   |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W652 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | RL-W652<br>N/A |                                | Name 325<br>or Site N/ |                | d unknown | forms S9000 Mixed RCRA w/ org    |              | Invento    | ory Date 9/30/2003<br>rix Code \$9000 |
|-------------------|----------------|--------------------------------|------------------------|----------------|-----------|----------------------------------|--------------|------------|---------------------------------------|
| EF                | PA Codes       | Waste Material Para            | meters (kg             | ı/m3)          |           | Final Waste Form Descriptors     | TRUCON Codes | Final Form | Radionuclides                         |
| As-               | Generated      | Material Parameter             | Average                | ge Lower Upper | Upper     | Category: Defense TRU Waste      | N/A          |            | Typical                               |
|                   | N/A            | Iron-Base Metal/Alloys         | 0.00                   | 0.00           | 0.00      | Residues: No                     | <u></u>      | lootono    | Concentration                         |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00                   | 0.00           | 0.00      |                                  | <u> </u>     | Isotope    | (Ci/m3)                               |
|                   |                | Other Metal/Alloys             | 374.67                 | 374.67         | 374.67    | Asbestos: N/A                    | <u>]</u>     | Am-241     | 6.31E-04                              |
|                   |                | Other Inorganic Materials      | 177.16                 | 177.16         | 177.16    | PCBs: No                         |              | Ba-137m    | 6.68E-01                              |
|                   |                | Cellulosics                    | 0.29                   | 0.29           | 0.29      | Source: R&D/R&D Laboratory Waste |              | Cs-137     | 7.06E-01                              |
|                   |                | Rubber                         | 0.00                   | 0.00           | 0.00      |                                  | •            | Pu-238     | 1.46E-03                              |
|                   |                | Plastics                       | 5.11                   | 5.11           | 5.11      |                                  |              | Pu-239     | 3.77E-03                              |
|                   |                | Solidified, Inorganic Matrix   | 0.00                   | 0.00           | 0.00      |                                  |              | Pu-240     | 9.01E-04                              |
|                   |                | Cement (Solidified)            | 0.00                   | 0.00           | 0.00      |                                  |              | Pu-241     | 1.34E-02                              |
|                   |                | Vitrified                      | 0.00                   | 0.00           | 0.00      |                                  |              | Pu-242     | 4.47E-08                              |
|                   |                | Solidified, Organic Matrix     | 0.00                   | 0.00           | 0.00      |                                  |              | Sr-90      | 3.64E+00                              |
|                   |                | Soils                          | 0.00                   | 0.00           | 0.00      |                                  |              | Y-90       | 3.64E+00                              |
|                   |                | Packaging Material, Steel      | 154.00                 | ',             | •         |                                  |              |            |                                       |
|                   |                | Packaging Material, Plastic    | 1.20                   |                |           |                                  |              |            |                                       |
|                   |                | Packaging Material, Lead       | 0.00                   |                |           |                                  |              |            |                                       |
|                   |                | Packaging Material, Steel Plug | 0.00                   |                |           |                                  |              |            |                                       |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W652 |               |               |               |               |       |                    |        |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vol    | umes          |               |               |       | Final Form Volumes |        |                   |               |               |               |               |       |
| Stored Projected    |   |               |               |               |               |       | Stored Projected   |        |                   |               | ected         |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | е      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Standard Waste Box  | 3.8   | 0.0           | 0.0           | 0.0           | 0.0           | 3.8   | Standard Waste Box |        | 3.8               | 0.0           | 0.0           | 0.0           | 0.0           | 3.8   |
| As-Generated Stored | 3.8   | Projecte      | ed            | 0.0           | Total         | 3.8   | Final Form         | Stored | 3.8               | Projecte      | ed            | 0.0           | Total         | 3.8   |

TWBIR ID: RL-W652

| Waste Stream Description          | The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.   |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W667 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | RL-W667<br>N/A             | J ~                            | Name 325 |       | unknown fo | rms S9000 Non-mixed              |    | Invento | ry Date 9/30/2002 |
|-------------------|----------------------------|--------------------------------|----------|-------|------------|----------------------------------|----|---------|-------------------|
| EP                | A Codes                    | Waste Material Para            |          |       | Codes Fi   | Final Form Radionuclides         |    |         |                   |
| As-Generated      |                            | Material Parameter             | Average  | Lower | Upper      | Category: Defense TRU Waste N/A  | Α  |         | Typical           |
|                   | N/A Iron-Base Metal/Alloys |                                | 0.00     | 0.00  | 0.00       | Residues: No                     |    |         | Concentration     |
|                   | -                          | Aluminum-Base Metal/Alloys     | 0.00     | 0.00  | 0.00       |                                  | IS | sotope  | (Ci/m3)           |
|                   |                            | Other Metal/Alloys             | 11.57    | 11.57 | 11.57      | Asbestos: N/A                    | А  | Am-241  | 1.02E+00          |
|                   |                            | Other Inorganic Materials      | 19.49    | 19.49 | 19.49      | PCBs: No                         | F  | Pu-238  | 1.10E+00          |
|                   |                            | Cellulosics                    | 1.07     | 1.07  | 1.07       | Source: R&D/R&D Laboratory Waste | F  | Pu-239  | 1.25E-02          |
|                   |                            | Rubber                         | 0.00     | 0.00  | 0.00       |                                  | F  | Pu-240  | 1.07E-02          |
|                   |                            | Plastics                       | 1.69     | 1.69  | 1.69       |                                  | F  | Pu-241  | 4.06E+01          |
|                   |                            | Solidified, Inorganic Matrix   | 0.00     | 0.00  | 0.00       |                                  | F  | Pu-242  | 1.60E-08          |
|                   |                            | Cement (Solidified)            | 0.00     | 0.00  | 0.00       |                                  |    |         |                   |
|                   |                            | Vitrified                      | 0.00     | 0.00  | 0.00       |                                  |    |         |                   |
|                   |                            | Solidified, Organic Matrix     | 0.00     | 0.00  | 0.00       |                                  |    |         |                   |
|                   |                            | Soils                          | 0.00     | 0.00  | 0.00       |                                  |    |         |                   |
|                   |                            | Packaging Material, Steel      | 434.00   | •     | •          |                                  |    |         |                   |
|                   |                            | Packaging Material, Plastic    | 0.00     |       |            |                                  |    |         |                   |
|                   |                            | Packaging Material, Lead       | 464.00   |       |            |                                  |    |         |                   |
|                   |                            | Packaging Material, Steel Plug | 0.00     |       |            |                                  |    |         |                   |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W667 |               |               |               |               |       |                    |                   |               |               |               |               |       |  |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |  |
|                     | Stored  | Projected     |               |               |               |       |                    | Stored            |               | Proje         | ected         |               |       |  |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| RH Canister         | 0.9   | 0.0           | 0.0           | 0.0           | 0.0           | 0.9   | RH Canister        | 0.9               | 0.0           | 0.0           | 0.0           | 0.0           | 0.9   |  |
| As-Generated Stored | 0.9   | Projecte      | ed            | 0.0           | Total         | 0.9   | Final Form Stored  | 0.9               | Projecte      | ed            | 0.0           | Total         | 0.9   |  |

TWBIR ID: RL-W667

| Waste Stream Description          | The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.   |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-W684 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

RL-W684 RH Stream Name 327 TRU RH heterogeneous S5420 Non-mixed Inventory Date 9/30/2002 Handling HQ ID Final Waste Form Heterogeneous Debris Local ID N/A Waste Type TRU Generator Site N/A **Waste Matrix Code** S5420 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Category: Non-defense TRU Waste As-Generated **Material Parameter** Average Lower Upper N/A Typical Concentration N/A Iron-Base Metal/Alloys 75666.36 1122.28 63416.33 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 727.53 15.14 1923.82 Am-241 2.07E+03 PCBs: No 860.26 4.87E+03 Other Inorganic Materials 214.72 7.57 Ba-137m 40.11 15.14 272.49 Source: Facility/Equipment Operation Cs-137 Cellulosics 3.61E+03 and Maintenance Waste 38.31 38.31 181.66 Rubber Pu-238 3.57E+02 **Plastics** 64.97 18.92 316.39 Pu-239 2.50E+01 0.00 0.00 Solidified, Inorganic Matrix 0.00 Pu-240 2.43E+01 Cement (Solidified) 0.00 0.00 0.00 Pu-241 1.80E+05 0.00 0.00 0.00 Vitrified Pu-242 2.25E-02 Solidified, Organic Matrix 0.00 0.00 Sr-90 1.41E+03 0.00 Soils 2.92 2.92 30.28 U-235 2.59E-04 Packaging Material, Steel 434.00 U-238 1.76E-02

| Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W684 |                   |               |               |               |               |       |        |                    |                   |               |               |               |               |       |
|---|-------------------|---------------|---------------|---------------|---------------|-------|--------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes                                      |                   |               |               |               |               |       |        | Final Form Volumes |                   |               |               |               |               |       |
| Stored Projected  |                   |               |               |               | ĪΓ            |       | Stored |                    | Proje             | ected         |               |               |               |       |
| ContainerType   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |        | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| RH Canister   | 0.9               | 0.0           | 0.0           | 0.0           | 0.0           | 0.9   | F      | RH Canister        | 0.9               | 0.0           | 0.0           | 0.0           | 0.0           | 0.9   |
| As-Generated Stored                                       | 0.9               | Projecte      | ed            | 0.0           | Total         | 0.9   | F      | Final Form Stored  | 0.9               | Project       | ed            | 0.0           | Total         | 0.9   |

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

0.00

0.00

464.00

Y-90

2.02E+03

TWBIR ID: RL-W684

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the POST IRRADIATION TEST LABORATORY.   |
|-----------------------------------|--|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the POST IRRADIATION TEST LABORATORY.   |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | N/A  |
| Management Comments               | N/A  |
| Acceptance Comments               | In the interim state, the waste stream consists of 33 containers, 31 of which have an internal container volume of 0.0126 m3. The container with the largest internal volume of 0.25 m3 holds highly enriched uranium oxides. The waste material is irradiated fuel element segments from LANL. It was repackaged at the 327 Building prior to shipment for storage as TRU waste. The U235 content is 50% by weight. |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source  |

### TWBIR ID: RL-W722 Annex I TRU WASTE BASELINE INVENTORY

TRU WASTE BASELINE INVENTORY WASTE PROFILE RL-W722 CH Stream Name MCGEE TRU CH unknown forms S9000 Non-mixed Inventory Date 9/30/2002 Handling HQ ID Local ID N/A Waste Type TRU Generator Site N/A Final Waste Form N/A **Waste Matrix Code** S9000 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Upper Category: Defense TRU Waste As-Generated **Material Parameter** Average Lower N/A Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 124.80 124.80 124.80 Am-241 1.47E-02 PCBs: No 4.19E-03 Other Inorganic Materials 17.20 17.20 17.20 Pu-238 0.00 0.00 Source: R&D/R&D Laboratory Waste Pu-239 Cellulosics 0.00 1.60E-01 0.00 0.00 0.00 Rubber Pu-240 3.58E-02 **Plastics** 15.84 15.84 15.84 Pu-241 4.80E-01 142.72 142.72 142.72 Solidified, Inorganic Matrix Pu-242 2.16E-06 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 30.72 30.72 30.72 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 37.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

| Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W722 |                    |               |               |               |               |       |                   |                   |               |               |               |               |       |
|---|--------------------|---------------|---------------|---------------|---------------|-------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|   | Final Form Volumes |               |               |               |               |       |                   |                   |               |               |               |               |       |
| Stored  |                    | Projected     |               |               |               |       |                   | Stored            | Projected     |               |               |               |       |
| ContainerType   | End of<br>CY 2001  | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum  | 0.2                | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   | 55 Gallon Drum    | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated Stored                                       | 0.2                | Projecte      | d             | 0.0           | Total         | 0.2   | Final Form Stored | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: RL-W722

| Waste Stream Description          | The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

### TWBIR ID: RL-W756 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|                   |            |   |   | 0.1   |        |                                      |              |                          |               |  |
|-------------------|------------|---|---|-------|--------|--------------------------------------|--------------|--------------------------|---------------|--|
| HQ ID<br>Local ID | N/A<br>N/A | Handling CH Stream Waste Type MTRU Generate | Inventory Date 9/30/200 Waste Matrix Code S3150 |       |        |                                      |              |                          |               |  |
| EF                | PA Codes   | Waste Material Para                         | meters (kg                                      | /m3)  |        | Final Waste Form Descriptors         | TRUCON Codes | Final Form Radionuclides |               |  |
| As-               | Generated  | Material Parameter                          | Average   | Lower | Upper  | Category: N/A                        | N/A          |                          | Typical       |  |
|                   | N/A        | Iron-Base Metal/Alloys                      | 0.00  | 0.00  | 0.00   | Residues: Yes                        | <u></u>      | 1                        | Concentration |  |
|                   |            | Aluminum-Base Metal/Alloys                  | 0.00  | 0.00  | 0.00   |                                      | <u> </u>     | Isotope                  | (Ci/m3)       |  |
|                   |            | Other Metal/Alloys                          | 0.00  | 0.00  | 0.00   | Asbestos: N/A                        |              | Am-241                   | 4.31E+01      |  |
|                   |            | Other Inorganic Materials                   | 0.00  | 0.00  | 0.00   | PCBs: No                             |              | Pu-238                   | 1.81E+01      |  |
|                   |            | Cellulosics                                 | 0.00  | 0.00  | 0.00   | Source: Facility/Equipment Operation |              | Pu-239                   | 3.54E+01      |  |
|                   |            | Rubber                                      | 0.00  | 0.00  | 0.00   | and Maintenance Waste                |              | Pu-240                   | 2.15E+01      |  |
|                   |            | Plastics                                    | 48.02   | 42.37 | 57.66  |                                      |              | Pu-241                   | 8.35E+02      |  |
|                   |            | Solidified, Inorganic Matrix                | 129.80  | 19.52 | 327.30 |                                      |              | Pu-242                   | 9.59E-03      |  |
|                   |            | Cement (Solidified)                         | 0.00  | 0.00  | 0.00   |                                      |              | U-238                    | 1.92E-03      |  |
|                   |            | Vitrified                                   | 0.00  | 0.00  | 0.00   |                                      | !            |                          |               |  |
|                   |            | Solidified, Organic Matrix                  | 0.00  | 0.00  | 0.00   |                                      |              |                          |               |  |
|                   |            | Soils                                       | 9.52  | 9.52  | 14.29  |                                      |              |                          |               |  |
|                   |            | Packaging Material, Steel                   | 400.00  |       |        |                                      |              |                          |               |  |
|                   |            | Packaging Material, Plastic                 | 0.00  |       |        |                                      |              |                          |               |  |
|                   |            | Packaging Material, Lead                    | 0.00  |       |        |                                      |              |                          |               |  |
|                   |            | Packaging Material Steel Plug               | 0.00  |       |        |                                      |              |                          |               |  |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W756 |               |               |               |               |       |                   |                   |               |               |               |               |         |  |  |  |  |  |
|---------------------|---|---------------|---------------|---------------|---------------|-------|-------------------|-------------------|---------------|---------------|---------------|---------------|---------|--|--|--|--|--|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       |                   | Final F           | orm Volu      | mes           |               |               | 6 Total |  |  |  |  |  |
|                     | Stored  |               | Proje         | ected         |               |       | Stored Projected  |                   |               |               |               |               |         |  |  |  |  |  |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total   |  |  |  |  |  |
| POC                 | 0.0   | 176.4         | 117.6         | 0.0           | 0.0           | 294.0 | POC               | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 294.0   |  |  |  |  |  |
| As-Generated Stored | 0.0   | Projecte      | ed            | 294.0         | Total         | 294.0 | Final Form Stored | 0.0               | Projecte      | ed            | 294.0         | Total         | 294.0   |  |  |  |  |  |

TWBIR ID: RL-W756

| Waste Stream Description          | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.                  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: RL-Z001 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

RL-Z001 Handling Stream Name Hanford Buried TRU Waste Inventory Date 9/30/2002 HQ ID N/A TRU Local ID Waste Type Generator Site N/A Final Waste Form N/A **Waste Matrix Code** N/A **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste N/A **As-Generated Material Parameter** Average Lower Upper N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: N/A Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: N/A Other Metal/Alloys 0.00 0.00 0.00 PCBs: N/A 0.00 Other Inorganic Materials 0.00 0.00 0.00 0.00 Source: N/A Cellulosics 0.00 0.00 0.00 0.00 Rubber Plastics 0.00 0.00 0.00 Solidified, Inorganic Matrix 0.00 0.00 0.00 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 0.00

|               | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-Z001 |                   |               |               |               |               |         |                  |                   |               |               |               |               |       |  |  |  |
|---------------|---|-------------------|---------------|---------------|---------------|---------------|---------|------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|--|--|
|               |   | As-Gen            | erated Vo     | lumes         |               |               |         |                  | Final I           | Form Volu     |               |               |               |       |  |  |  |
|               |   | Stored            |               | Proje         | ected         |               |         | Stored Projected |                   |               |               |               |               |       |  |  |  |
| ContainerType | е   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total   | ContainerType    | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |  |
| Not contained |   | 63629.0           | 0.0           | 0.0           | 0.0           | 0.0           | 63629.0 |                  | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |  |  |  |
| As-Generated  | Stored  | 63629.0           | Projecte      | ed            | 0.0           | Total         | 63629.0 | Final Form Store | 0.0               | Projecto      | ed            | 0.0           | Total         | 0.0   |  |  |  |

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

0.00

0.00

0.00

TWBIR ID: RL-Z001

| Waste Stream Description          | N/A |
|-----------------------------------|-----|
| Waste Stream Source Description   | N/A |
| <b>Current Container Comments</b> | N/A |
| EPA Comments                      | N/A |
| Management Comments               | N/A |
| Acceptance Comments               | N/A |
| Final Form Comments               | N/A |

#### TWBIR ID: RL-Z002 Annex I

Solidified, Inorganic Matrix
Cement (Solidified)

Vitrified

Solidified, Organic Matrix

Soils

Packaging Material, Steel

Packaging Material, Plastic

Packaging Material, Lead
Packaging Material, Steel Plug

0.00

0.00

0.00

0.00

0.00

1.20 0.00

0.00

154.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

0.00

|                   |                |                            | IRU WA                 | SIEB                     | ASELINE                                  | INVENTORY WASTE PROFILE          |              |         |               |
|-------------------|----------------|----------------------------|------------------------|--------------------------|--|----------------------------------|--------------|---------|---------------|
| HQ ID<br>Local ID | RL-Z002<br>N/A |                            | Name 324<br>or Site N/ |                          | Inventory Date 9/30 Waste Matrix Code Z1 |                                  |              |         |               |
| EP                | A Codes        | Waste Material Para        | ameters (kg            | Final Form Radionuclides |  |                                  |              |         |               |
| As-Generated      |                | Material Parameter         | Average                | Lower                    | Upper                                    | Category: Defense TRU Waste      | N/A          |         | Typical       |
|                   | N/A            | Iron-Base Metal/Alloys     | 205.47                 | 205.47                   | 205.47                                   | Residues: No                     | 1            | lastens | Concentration |
|                   | _              | Aluminum-Base Metal/Alloys | 0.00                   | 0.00                     | 0.00                                     | Ashestes: N/A                    | <del>-</del> | Isotope | (Ci/m3)       |
|                   |                | Other Metal/Alloys         | 0.00                   | 0.00                     | 0.00                                     | Asbestos: N/A                    |              | Pu-239  | 1.58E-01      |
|                   |                | Other Inorganic Materials  | 419.79                 | 419.79                   | 419.79                                   | PCBs: No                         | <u> </u>     |         |               |
|                   |                | Cellulosics                | 0.00                   | 0.00                     | 0.00                                     | Source: R&D/R&D Laboratory Waste |              |         |               |
|                   |                | Rubber                     | 0.00                   | 0.00                     | 0.00                                     |                                  | -            |         |               |
|                   |                | Plastics                   | 0.00                   | 0.00                     | 0.00                                     |                                  |              |         |               |

|                    | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-Z002 |                   |               |               |               |               |       |   |                    |                   |               |               |               |               |       |
|--------------------|---|-------------------|---------------|---------------|---------------|---------------|-------|---|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                    |   | As-Gene           | erated Vol    | lumes         |               |               |       |   | Final Form Volumes |                   |               |               |               |               |       |
|                    |   | Stored            |               | Proje         | ected         |               |       |   |                    | Stored            |               | Proje         | ected         |               |       |
| ContainerType      |   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |   | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Standard Waste Box |   | 1.9               | 0.0           | 0.0           | 0.0           | 0.0           | 1.9   |   | Standard Waste Box | 1.9               | 0.0           | 0.0           | 0.0           | 0.0           | 1.9   |
| As-Generated S     | Stored  | 1.9               | Projecte      | ed            | 0.0           | Total         | 1.9   | ] | Final Form Stored  | 1.9               | Projecte      | ed            | 0.0           | Total         | 1.9   |

TWBIR ID: RL-Z002

| Waste Stream Description          | The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.   |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

#### TWBIR ID: RL-Z003 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|                   |                |   | 1110 117    | OIL D                                    | TOLLINE | HIVERTORT WASTET ROTTEE          |               |                     |               |  |  |
|-------------------|----------------|---|-------------|--|---------|----------------------------------|---------------|---------------------|---------------|--|--|
| IQ ID<br>.ocal ID | RL-Z003<br>N/A | Handling RH Stream Waste Type TRU Generat |             | Inventory Date 9/30 Waste Matrix Code Z1 |         |                                  |               |                     |               |  |  |
| <b>EPA Codes</b>  |                | Waste Material Para                       | ameters (kg | /m3)                                     |         | Final Waste Form Descriptors     | TRUCON Codes  | Codes Final Form Ra |               |  |  |
| As-Generated      |                | Material Parameter                        | Average     | Lower                                    | Upper   | Category: Non-defense TRU Waste  | N/A           |                     | Typical       |  |  |
| N/A               |                | Iron-Base Metal/Alloys                    | 556.29      | 549.16                                   | 576.12  | Residues: No                     | Ī             | laatana             | Concentration |  |  |
|                   |                | Aluminum-Base Metal/Alloys                | 0.00        | 0.00                                     | 0.00    | Asbestos: N/A                    | <u>1</u><br>T | Isotope             | (Ci/m3)       |  |  |
|                   |                | Other Metal/Alloys                        | 0.00        | 0.00                                     | 0.00    |                                  | <u> </u>      | Am-241              | 8.68E+00      |  |  |
|                   |                | Other Inorganic Materials                 | 1067.72     | 909.97                                   | 1129.21 | PCBs: No                         |               | Ba-137m             | 2.57E+06      |  |  |
|                   |                | Cellulosics                               | 0.00        | 0.00                                     | 0.00    | Source: R&D/R&D Laboratory Waste | Ī             | Cs-137              | 1.36E+06      |  |  |
|                   |                | Rubber                                    | 0.00        | 0.00                                     | 0.00    | •                                | <b>=</b>      | Pu-239              | 3.09E-02      |  |  |
|                   |                | Plastics                                  | 0.00        | 0.00                                     | 0.00    |                                  |               | Pu-240              | 4.29E-02      |  |  |
|                   |                | Solidified, Inorganic Matrix              | 0.00        | 0.00                                     | 0.00    |                                  |               | Pu-241              | 7.09E+02      |  |  |
|                   |                | Cement (Solidified)                       | 0.00        | 0.00                                     | 0.00    |                                  |               | Pu-242              | 1.25E-06      |  |  |
|                   |                | Vitrified                                 | 0.00        | 0.00                                     | 0.00    |                                  |               | Sr-90               | 1.11E+06      |  |  |
|                   |                | Solidified, Organic Matrix                | 0.00        | 0.00                                     | 0.00    |                                  |               | Y-90                | 2.22E+06      |  |  |
|                   |                | Soils                                     | 0.00        | 0.00                                     | 0.00    |                                  |               |                     |               |  |  |
|                   |                | Packaging Material, Steel                 | 434.00      | '  | •       |                                  |               |                     |               |  |  |
|                   |                | Packaging Material, Plastic               | 0.00        |  |         |                                  |               |                     |               |  |  |

|               | Waste Volume Detail (Cubic meters) for TWBIR ID : RL-Z003 |                   |               |               |               |               |       |     |               |        |                   |               |               |                               |               |       |  |  |  |  |
|---------------|---|-------------------|---------------|---------------|---------------|---------------|-------|-----|---------------|--------|-------------------|---------------|---------------|-------------------------------|---------------|-------|--|--|--|--|
|               | As-Generated Volumes                                      |                   |               |               |               |               |       |     |               |        | Final F           | orm Volu      | mes           | Projected<br>007- 2017- 2027- |               |       |  |  |  |  |
|               |   | Stored            |               | Proje         | ected         |               |       |     |               |        | ected             |               |               |                               |               |       |  |  |  |  |
| ContainerType | е   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |     | ContainerType | е      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026                 | 2027-<br>2036 | Total |  |  |  |  |
| RH Canister   |   | 3.6               | 0.0           | 0.0           | 0.0           | 0.0           | 3.6   | RI  | H Canister    |        | 3.6               | 0.0           | 0.0           | 0.0                           | 0.0           | 3.6   |  |  |  |  |
| As-Generated  | Stored  | 3.6               | Projecte      | ed            | 0.0           | Total         | 3.6   | Fir | nal Form      | Stored | 3.6               | Projecte      | d             | 0.0                           | Total         | 3.6   |  |  |  |  |

Packaging Material, Lead

Packaging Material, Steel Plug

464.00

0.00

TWBIR ID: RL-Z003

| Waste Stream Description          | The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.   |
|-----------------------------------|---|
| Waste Stream Source Description   | The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source |

# TWBIR ID: SA-Z001 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | SA-Z001 Handling CH Stream Name Sandia National Laboratory/NM Buried TRU Waste  N/A Waste Type TRU Generator Site N/A Final Waste Form N/A |                               |             |           |               |                              |              | Inventory Date 9/30/200 Waste Matrix Code N/A |
|-------------------|--|-------------------------------|-------------|-----------|---------------|------------------------------|--------------|---|
| EP                | A Codes  | Waste Material Para           | ameters (kg | /m3)      |               | Final Waste Form Descriptors | TRUCON Codes | No Final Form                                 |
| As-0              | Generated  | Material Parameter            | Average     | Lower     | Upper         | Category: Defense TRU Waste  | N/A          | Radionuclides Provided                        |
|                   | N/A  | Iron-Base Metal/Alloys        | 0.00        | 0.00      | 0.00          | Residues: N/A                | <u> </u>     |   |
|                   |  | Aluminum-Base Metal/Alloys    | 0.00        | 0.00      | 0.00          |                              | =            |   |
|                   |  | Other Metal/Alloys            | 0.00        | 0.00 0.00 | Asbestos: N/A | <b>≓</b>                     |              |   |
|                   |  | Other Inorganic Materials     | 0.00        | 0.00      | 0.00          | PCBs: N/A                    |              |   |
|                   |  | Cellulosics                   | 0.00        | 0.00      | 0.00          | Source: N/A                  | $\neg$       |   |
|                   |  | Rubber                        | 0.00        | 0.00      | 0.00          |                              | <b></b>      |   |
|                   |  | Plastics                      | 0.00        | 0.00      | 0.00          |                              |              |   |
|                   |  | Solidified, Inorganic Matrix  | 0.00        | 0.00      | 0.00          |                              |              |   |
|                   |  | Cement (Solidified)           | 0.00        | 0.00      | 0.00          |                              |              |   |
|                   |  | Vitrified                     | 0.00        | 0.00      | 0.00          |                              |              |   |
|                   |  | Solidified, Organic Matrix    | 0.00        | 0.00      | 0.00          |                              |              |   |
|                   |  | Soils                         | 0.00        | 0.00      | 0.00          |                              |              |   |
|                   |  | Packaging Material, Steel     | 0.00        | I         |               |                              |              |   |
|                   |  | Packaging Material, Plastic   | 0.00        |           |               |                              |              |   |
|                   |  | Packaging Material, Lead      | 0.00        |           |               |                              |              |   |
|                   |  | Packaging Material Steel Plug | 0.00        |           |               |                              |              |   |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : SA-Z001 |               |               |               |               |       |                    |        |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Generated Volumes                                      |               |               |               |               |       | Final Form Volumes |        |                   |               |               |               |               |       |
| Stored              |   |               | Proje         | cted          |               |       |                    |        | Stored            |               | Proje         | cted          |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerTy        | pe     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Not contained       | 1.3   | 0.0           | 0.0           | 0.0           | 0.0           | 1.3   |                    |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated Stored | 1.3   | Projecte      | ed            | 0.0           | Total         | 1.3   | Final Form         | Stored | 0.0               | Projecte      | ed            | 0.0           | Total         | 0.0   |

TWBIR ID: SA-Z001

| Waste Stream Description          | N/A |
|-----------------------------------|-----|
| Waste Stream Source Description   | N/A |
| <b>Current Container Comments</b> | N/A |
| EPA Comments                      | N/A |
| Management Comments               | N/A |
| Acceptance Comments               | N/A |
| Final Form Comments               | N/A |

#### TWBIR ID: SP-T001

| HQ ID N/A Local ID N/A | Handling CH Stream Waste Type MTRU Generate | Name N/A<br>or Site ZZ | Z Fin | al Waste    | Form Solidified Inorganics  |          | Invento<br>Waste Matr | ory Date 9/30/2002<br>ix Code S3120 |
|------------------------|---|------------------------|-------|-------------|-----------------------------|----------|-----------------------|-------------------------------------|
| <b>EPA Codes</b>       | Waste Material Para                         | meters (kg             | /m3)  | Final Form  | Radionuclides               |          |                       |                                     |
| As-Generated           | Material Parameter                          | Average                | Lower | Lower Upper | Category: Defense TRU Waste | N/A      |                       | Typical                             |
| N/A                    | Iron-Base Metal/Alloys                      | 0.00                   | 0.00  | 0.00        | Residues: N/A               | <u> </u> | lastana               | Concentration                       |
|                        | Aluminum-Base Metal/Alloys                  | 0.00                   | 0.00  | 0.00        |                             | ╡        | Am-241                | (Ci/m3)                             |
|                        | Other Metal/Alloys                          | 0.00                   | 0.00  | 0.00        |                             | <u> </u> |                       |                                     |
|                        | Other Inorganic Materials  Cellulosics      |                        | 0.00  | 0.00        | PCBs: N/A                   |          | Cs-137                |                                     |
|                        |   |                        | 0.00  | 0.00        | Source: N/A                 |          | Pu-239                |                                     |
|                        | Rubber                                      |                        | 0.00  | 0.00        |                             | <b></b>  | Sr-90                 |                                     |
|                        | Plastics                                    | 0.00                   | 0.00  | 0.00        |                             |          | 1                     |                                     |
|                        | Solidified, Inorganic Matrix                | 0.00                   | 0.00  | 0.00        |                             |          |                       |                                     |
|                        | Cement (Solidified)                         | 0.00                   | 0.00  | 0.00        |                             |          |                       |                                     |
|                        | Vitrified                                   | 0.00                   | 0.00  | 0.00        |                             |          |                       |                                     |
|                        | Solidified, Organic Matrix                  | 0.00                   | 0.00  | 0.00        |                             |          |                       |                                     |
|                        | Soils                                       | 0.00                   | 0.00  | 0.00        |                             |          |                       |                                     |
|                        | Packaging Material, Steel                   | 0.00                   |       |             |                             |          |                       |                                     |
|                        | Packaging Material, Plastic                 | 0.00                   |       |             |                             |          |                       |                                     |
|                        | Packaging Material, Lead                    | 0.00                   |       |             |                             |          |                       |                                     |
|                        | Packaging Material, Steel Plug              | 0.00                   |       |             |                             |          |                       |                                     |

|                    | Waste Volume Detail (Cubic meters) for TWBIR ID : SP-T001 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|--------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                    | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |
|                    | Stored Projected  |               |               | ected         |               |       |                    | Stored            |               | Proje         | ected         |               |       |
| ContainerType      | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon   | 0.0   | 0.0           | 50.0          | 0.0           | 0.0           | 50.1  | 55 Gallon Drum     | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 50.1  |
| As-Generated Store | ed 0.0  | Projecto      | ed            | 50.1          | Total         | 50.1  | Final Form Stored  | 0.0               | Project       | ed            | 50.1          | Total         | 50.1  |

TWBIR ID: SP-T001

| Waste Stream Description          | Separations Process Research Unit.                                  |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | Final form is unknown at this time. Thrown assumed 55 gallon drums. |

TWBIR ID: SR-T001-WSB-1

| HQ ID    | N/A        | Handling CH Stream             | Name       | NOWN  |               |                              | Invento          | ory Date 9/30/2002 |               |  |  |
|----------|------------|--------------------------------|------------|-------|---------------|------------------------------|------------------|--------------------|---------------|--|--|
| Local ID | N/A        | Waste Type TRU Generate        | or Site SR | Fir   | nal Waste     | Form N/A                     |                  | Waste Matr         | ix Code N/A   |  |  |
| EP       | A Codes    | Waste Material Para            | meters (kg | /m3)  |               | Final Waste Form Descriptors | •                |                    |               |  |  |
| As-0     | Generated  | Material Parameter             | Average    | Lower | Upper         | Category: Defense TRU Waste  | not yet assigned | Isotope            | Typical       |  |  |
| D008,    | D009, D011 | Iron-Base Metal/Alloys         | 0.00       | 0.00  | 0.00          | Residues: N/A                |                  |                    | Concentration |  |  |
|          |            | Aluminum-Base Metal/Alloys     | 0.00       | 0.00  | 0.00          | Asbestos: Unknown            | =                |                    | (Ci/m3)       |  |  |
|          |            | Other Metal/Alloys             | 0.00       | 0.00  | 0.00          |                              | <u> </u>         | Am-241             | 2.99E+02      |  |  |
|          |            | Other Inorganic Materials      | 0.00       | 0.00  | PCBs: Unknown |                              | Pu-238           | 6.77E-03           |               |  |  |
|          |            | Cellulosics                    | 0.00       | 0.00  | 0.00          | Source: Source Unknown       |                  | Pu-239             | 4.44E-02      |  |  |
|          |            | Rubber                         | 0.00       | 0.00  | 0.00          |                              | <del>_</del>     | Pu-240             | 1.69E-02      |  |  |
|          |            | Plastics                       | 0.00       | 0.00  | 0.00          |                              |                  | Pu-241             | 8.17E+00      |  |  |
|          |            | Solidified, Inorganic Matrix   | 720.00     | 0.00  | 720.00        |                              |                  | U-234              | 1.32E-03      |  |  |
|          |            | Cement (Solidified)            | 0.00       | 0.00  | 0.00          |                              |                  | U-235              | 4.25E-05      |  |  |
|          |            | Vitrified                      | 0.00       | 0.00  | 0.00          |                              |                  | U-236              | 6.83E-07      |  |  |
|          |            | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00          |                              |                  | U-238              | 3.84E-07      |  |  |
|          |            | Soils                          | 0.00       | 0.00  | 0.00          |                              |                  |                    |               |  |  |
|          |            | Packaging Material, Steel      | 0.00       | -     |               |                              |                  |                    |               |  |  |
|          |            | Packaging Material, Plastic    | 0.00       |       |               |                              |                  |                    |               |  |  |
|          |            | Packaging Material, Lead       | 0.00       |       |               |                              |                  |                    |               |  |  |
|          |            | Packaging Material, Steel Plug | 0.00       |       |               |                              |                  |                    |               |  |  |
|          |            |                                | -          |       |               |                              |                  |                    |               |  |  |

|                    | Waste Volume Detail (Cubic meters) for TWBIR ID : SR-T001-WSB-1 |                   |               |               |               |               |        |                    |                   |               |               |               |               |        |
|--------------------|---|-------------------|---------------|---------------|---------------|---------------|--------|--------------------|-------------------|---------------|---------------|---------------|---------------|--------|
|                    |   | As-Gen            | erated Vol    | umes          |               |               |        | Final Form Volumes |                   |               |               |               |               |        |
|                    | Stored Projected  |                   |               |               |               |               | Stored |                    | Proje             | ected         |               |               |               |        |
| ContainerTyp       | oe .  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  |
| Standard Waste Box |   | 0.0               | 0.0           | 2835.0        | 1701.0        | 0.0           | 4320.5 | Standard Waste Box | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 4320.5 |
| As-Generated       | Stored  | 0.0               | Projecte      | <b>d</b> 4    | 320.5         | Total         | 4320.5 | Final Form Stored  | 0.0               | Projecte      | ed 4          | 1320.5        | Total         | 4320.5 |

TWBIR ID: SR-T001-WSB-1

| Waste Stream Description          | This waste stream is defense related, contact handled TRU and is a neutralized aqueous stream solidified in an inorganic matrix (cement).                                    |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | A total of 150 SWB's are expected to be generated per year.  |
| EPA Comments                      | EPA CODES IDENTIFIED BUT NOT YET ASSIGNED: D008(LEAD), D011(SILVER), D009(MERCURY)   |
| Management Comments               | No EPA codes or TRUCON CODES have been assigned  |
| Acceptance Comments               | N/A  |
| Final Form Comments               | Delta between Total # Projected and 150/yr for 16 yrs (2400) is because Total # Projected was calculated from given volume and 150/yr was from given comment. Thrown 3/22/03 |

#### TWBIR ID: SR-T001-WSB-3

| HQ ID    | N/A<br>N/A |                                | Name UNK    |                                       |           | INI/A             |                            |                  | ry Date 9/30/2002<br>ix Code N/A |                       |
|----------|------------|--------------------------------|-------------|---------------------------------------|-----------|-------------------|----------------------------|------------------|----------------------------------|-----------------------|
| Local ID |            | · ——                           | or Site SF  |                                       | nal Waste |                   |                            |                  | Waste Matr                       |                       |
| EP       | A Codes    | Waste Material Para            | ameters (kg | · · · · · · · · · · · · · · · · · · · |           |                   |                            |                  |                                  | Radionuclides         |
| As-0     | Generated  | Material Parameter             | Average     | Lower                                 | Upper     | Category: Defense | ategory: Defense TRU Waste | not yet assigned | Isotope                          | Typical               |
|          | N/A        | Iron-Base Metal/Alloys         | 0.00        | 0.00                                  |           | Residues: N/A     |                            | 1                |                                  | Concentration (Ci/m3) |
|          |            | Aluminum-Base Metal/Alloys     | 0.00        | 0.00                                  | 0.00      | Asbestos: Unknown | `                          | =                |                                  | (Ci/ilis)             |
|          |            | Other Metal/Alloys             | 0.00        | 0.00                                  | 0.00      |                   |                            | <u> </u>         | Pu-238                           | 6.15E-01              |
|          |            | Other Inorganic Materials      | 250.00      | 0.00                                  | 250.00    | PCBs: Unknown     | 1                          | 1                | Pu-239                           | 4.04E+00              |
|          |            | Cellulosics                    | 0.00        | 0.00                                  | 0.00      | Source: Source U  | Jnknown                    | ]                | Pu-240                           | 1.48E+00              |
|          |            | Rubber                         | 0.00        | 0.00                                  | 0.00      |                   |                            | -                | Pu-241                           | 7.45E+00              |
|          |            | Plastics                       | 0.00        | 0.00                                  | 0.00      |                   |                            |                  | U-234                            | 4.51E-03              |
|          |            | Solidified, Inorganic Matrix   | 0.00        | 0.00                                  | 0.00      |                   |                            |                  | U-235                            | 1.45E-04              |
|          |            | Cement (Solidified)            | 0.00        | 0.00                                  | 0.00      |                   |                            |                  | U-238                            | 1.31E-06              |
|          |            | Vitrified                      | 0.00        | 0.00                                  | 0.00      |                   |                            | •                |                                  |                       |
|          |            | Solidified, Organic Matrix     | 0.00        | 0.00                                  | 0.00      |                   |                            |                  |                                  |                       |
|          |            | Soils                          | 0.00        | 0.00                                  | 0.00      |                   |                            |                  |                                  |                       |
|          |            | Packaging Material, Steel      | 0.00        |                                       |           |                   |                            |                  |                                  |                       |
|          |            | Packaging Material, Plastic    | 0.00        |                                       |           |                   |                            |                  |                                  |                       |
|          |            | Packaging Material, Lead       | 0.00        |                                       |           |                   |                            |                  |                                  |                       |
|          |            | Packaging Material, Steel Plug | 0.00        |                                       |           |                   |                            |                  |                                  |                       |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : SR-T001-WSB-3 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |
|                     |   | Projected     |               |               |               |       | Stored             |                   | Proje         | ected         |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon    | 0.0   | 0.0           | 93.6          | 56.2          | 0.0           | 144.1 | 55 Gallon Drum     | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 144.1 |
| As-Generated Stored | 0.0   | Projecte      | ed            | 144.1         | Total         | 144.1 | Final Form Stored  | 0.0               | Project       | ed            | 144.1         | Total         | 144.1 |

TWBIR ID: SR-T001-WSB-3

| Waste Stream Description          | This waste stream is defense related, contact handled TRU and is a neutralized aqueous stream in an inorganic sorbent.  |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | See Management Comments.  |
| EPA Comments                      | NOT YET ASSIGNED  |
| Management Comments               | Approximately 45 55-gallon drums per year will be produced. The inorganic sorbent will contain 15 grams of Pu and 15 grams of HEU. The distribution of the Pu is Pu239 – 90 to 95%, Pu240- 5 to 9%, Pu241- <1%, Pu242- <.1%, and Pu238- <.5%. The uranium distribution is U235- 93%, U238- 5.4%, U2365%, and U234- 1%. The TRUCON codes have not yet been assigned. |
| Acceptance Comments               | N/A   |
| Final Form Comments               | Delta between Total # Projected and 45/yr for 16 yrs (720) is because Total # Projected was calculated from given volume and 45/yr was from given comment. Tbrown 3/22/03   |

#### TWBIR ID: SR-W026-MFFF-1

| HQ ID    | N/A       | J                              | Name UNK    |       |           |  | Invento       | ory Date 9/30/2002    |
|----------|-----------|--------------------------------|-------------|-------|-----------|--|---------------|-----------------------|
| Local ID | N/A       | Waste Type TRU Generat         | or Site SF  | R Fir | nal Waste | Form Heterogeneous Debris                  | Waste Matr    | ix Code N/A           |
| EP       | A Codes   | Waste Material Para            | ameters (kg | /m3)  |           | Final Form                                 | Radionuclides |                       |
| As-0     | Generated | Material Parameter             | Average     | Lower | Upper     | Category: Defense TRU Waste OT YET ASSIGNE |               | Typical               |
|          | D008      | Iron-Base Metal/Alloys         | 3.13        | 0.00  | 30.00     | Residues: N/A                              | Isotono       | Concentration (Ci/m3) |
|          | _         | Aluminum-Base Metal/Alloys     | 0.07        | 0.00  | 7.00      | Asbestos: Unknown                          | Isotope       | (Ci/iiis)             |
|          |           | Other Metal/Alloys             | 0.04        | 0.00  | 4.00      |  | Pu-238        | 4.11E-01              |
|          |           | Other Inorganic Materials      | 1.24        | 0.00  | 10.00     | PCBs: Unknown                              | Pu-239        | 2.69E+00              |
|          |           | Cellulosics                    | 2.20        | 0.00  | 20.00     | Source: Facility/Equipment Operation       | Pu-240        | 9.86E-01              |
|          |           | Rubber                         | 0.26        | 0.00  | 2.00      | and Maintenance Waste                      | Pu-241        | 4.95E+00              |
|          |           | Plastics                       | 15.30       | 0.00  | 30.00     |  | U-234         | 3.00E-06              |
|          |           | Solidified, Inorganic Matrix   | 0.00        | 0.00  | 0.00      |  | U-235         | 9.66E-07              |
|          |           | Cement (Solidified)            | 0.00        | 0.00  | 0.00      |  | U-236         | 1.58E-08              |
|          |           | Vitrified                      | 0.00        | 0.00  | 0.00      |  | U-238         | 8.75E-09              |
|          |           | Solidified, Organic Matrix     | 0.00        | 0.00  | 0.00      |  |               |                       |
|          |           | Soils                          | 0.00        | 0.00  | 0.00      |  |               |                       |
|          |           | Packaging Material, Steel      | 131.00      | -     | -         |  |               |                       |
|          |           | Packaging Material, Plastic    | 5.00        |       |           |  |               |                       |
|          |           | Packaging Material, Lead       | 0.00        |       |           |  |               |                       |
|          |           | Packaging Material, Steel Plug | 0.00        |       |           |  |               |                       |

|                  | Waste Volume Detail (Cubic meters) for TWBIR ID : SR-W026-MFFF-1 |                   |               |               |               |               |        |                    |        |                   |               |               |               |               |        |
|------------------|--|-------------------|---------------|---------------|---------------|---------------|--------|--------------------|--------|-------------------|---------------|---------------|---------------|---------------|--------|
|                  |  | As-Gen            | erated Vol    | lumes         |               |               |        | Final Form Volumes |        |                   |               |               |               |               |        |
|                  | Stored Projected   |                   |               |               |               |               |        | Stored Projected   |        |                   |               |               |               |               |        |
| ContainerType    | е  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  | ContainerType      |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  |
| Drum / 55 gallon |  | 0.0               | 0.0           | 1664.0        | 998.4         | 0.0           | 2640.1 | 55 Gallon Drum     |        | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 2640.1 |
| As-Generated     | Stored   | 0.0               | Projecte      | <b>ed</b> 2   | 640.1         | Total         | 2640.1 | Final Form S       | Stored | 0.0               | Projecte      | ed 2          | 2640.1        | Total         | 2640.1 |

TWBIR ID: SR-W026-MFFF-1

| 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. |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | Approximately 800 55 gallon drums per year will be produced. Some drums will contain lead-lined gloves. The TRUCON codes have not yet been assigned.  |
| EPA Comments                      | EPA CODES HAVE NOT YET BEEN ASSIGNED  |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | Delta between Total # Projected and 800/yr for 16 yrs (12800) is because Total # Projected was calculated from given volume and 800/yr was from given comment. Tbrown 3/22/03                                 |

#### TWBIR ID: SR-W026-PDCF-1

| HQ ID N/A<br>Local ID N/A | Handling CH Stream Waste Type TRU Generato | Name UNK |       | nal Waste | Form Heterogeneous Debris            | Inventory Date 9/30/2002 Waste Matrix Code N/A |
|---------------------------|--|----------|-------|-----------|--------------------------------------|--|
| EPA Codes                 | Waste Material Para                        | <u> </u> |       |           | Final Waste Form Descriptors TRUC    | CON Codes No Final Form                        |
| As-Generated              | Material Parameter                         | Average  | Lower | Upper     | Category: Defense TRU Waste OT YE    | T ASSIGNE Radionuclides Provided               |
| N/A                       | Iron-Base Metal/Alloys                     | 3.13     | 0.00  | 400.00    | Residues: N/A                        | <del></del>                                    |
|                           | Aluminum-Base Metal/Alloys                 | 0.07     | 0.00  | 100.00    | Asbestos: Unknown                    |  |
|                           | Other Metal/Alloys                         | 0.04     | 0.00  | 100.00    |                                      |  |
|                           | Other Inorganic Materials                  | 1.24     | 0.00  | 10.00     | PCBs: Unknown                        |  |
|                           | Cellulosics                                | 2.20     | 0.00  | 20.00     | Source: Facility/Equipment Operation |  |
|                           | Rubber                                     | 0.26     | 0.00  | 5.00      | and Maintenance Waste                |  |
|                           | Plastics                                   | 15.30    | 0.00  | 30.00     |                                      |  |
|                           | Solidified, Inorganic Matrix               | 0.00     | 0.00  | 0.00      |                                      |  |
|                           | Cement (Solidified)                        | 0.00     | 0.00  | 0.00      |                                      |  |
|                           | Vitrified                                  | 0.00     | 0.00  | 0.00      |                                      |  |
|                           | Solidified, Organic Matrix                 | 0.00     | 0.00  | 0.00      |                                      |  |
|                           | Soils                                      | 0.00     | 0.00  | 0.00      |                                      |  |
|                           | Packaging Material, Steel                  | 137.00   |       |           |                                      |  |
|                           | Packaging Material, Plastic                | 5.00     |       |           |                                      |  |
|                           | Packaging Material, Lead                   | 0.00     |       |           |                                      |  |
|                           | Packaging Material, Steel Plug             | 0.00     |       |           |                                      |  |

|                  | Waste Volume Detail (Cubic meters) for TWBIR ID : SR-W026-PDCF-1 |                   |               |               |               |               |        |                    |      |                   |               |               |               |               |        |
|------------------|--|-------------------|---------------|---------------|---------------|---------------|--------|--------------------|------|-------------------|---------------|---------------|---------------|---------------|--------|
|                  |  | As-Gen            | erated Vol    | umes          |               |               |        | Final Form Volumes |      |                   |               |               |               |               |        |
|                  | Stored Projected   |                   |               |               |               |               |        |                    |      | Stored            |               | Proje         | ected         |               |        |
| ContainerTyp     | е  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  | ContainerType      |      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  |
| Drum / 55 gallon |  | 0.0               | 0.0           | 990.1         | 848.6         | 0.0           | 1833.1 | 55 Gallon Drum     |      | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 1833.1 |
| As-Generated     | Stored   | 0.0               | Projecte      | ed 1          | 833.1         | Total         | 1833.1 | Final Form Sto     | ored | 0.0               | Projecte      | ed 1          | 833.1         | Total         | 1833.1 |

TWBIR ID: SR-W026-PDCF-1

| 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. |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | approximately 680 55-gallon drums per year will be produced  |
| EPA Comments                      | EPA CODES HAVE NOT YET BEEN ASSIGNED   |
| Management Comments               | The TRUCON and EPA codes have not yet been assigned.   |
| Acceptance Comments               | N/A  |
| Final Form Comments               | Delta between Total # Projected and 680/yr for 13 yrs (8840) is because Total # Projected was calculated from given volume and 680/yr was from given comment. Tbrown 3/22/03   |

TWBIR ID: SR-W026-WSB-2

| HQ ID<br>Local ID | N/A<br>N/A |                                | n Name N/A<br>tor Site Si |                | nal Waste | Form Heterogeneous Debris                  | Invento<br>Waste Matr | ory Date 9/30/2002<br>rix Code N/A |
|-------------------|------------|--------------------------------|---------------------------|----------------|-----------|--|-----------------------|------------------------------------|
| EP                | A Codes    | Waste Material Par             | ameters (kg               | ı/m3)          |           | Final Waste Form Descriptors TRUCON Codes  | Final Form            | n Radionuclides                    |
| As-0              | Generated  | Material Parameter             | Average                   | ge Lower Upper |           | Category: Defense TRU Waste OT YET ASSIGNE |                       | Typical                            |
|                   | D008       | Iron-Base Metal/Alloys         | 3.13                      | 0.00           | 30.00     | Residues: N/A                              | 1                     | Concentration                      |
|                   |            | Aluminum-Base Metal/Alloys     | 0.07                      | 0.00           | 7.00      |  | Isotope               | (Ci/m3)                            |
|                   |            | Other Metal/Alloys             | 0.04                      | 0.00           | 4.00      | Asbestos: N/A                              | Am-241                | 1.32E+02                           |
|                   |            | Other Inorganic Materials      | 1.24                      | 0.00           | 10.00     | PCBs: N/A                                  | Pu-238                | 9.66E-06                           |
|                   |            | Cellulosics                    | 2.20                      | 0.00           | 20.00     | Source: Facility/Equipment Operation       | Pu-239                | 1.98E-01                           |
|                   |            | Rubber                         | 0.26                      | 0.00           | 2.00      | and Maintenance Waste                      | Pu-240                | 9.86E-02                           |
|                   |            | Plastics                       | 15.30                     | 0.00           | 30.00     |  | Pu-241                | 1.98E-01                           |
|                   |            | Solidified, Inorganic Matrix   | 0.00                      | 0.00           | 0.00      |  | Pu-242                | 7.54E-06                           |
|                   |            | Cement (Solidified)            | 0.00                      | 0.00           | 0.00      |  | U-234                 | 3.00E-04                           |
|                   |            | Vitrified                      | 0.00                      | 0.00           | 0.00      |  | U-235                 | 9.66E-06                           |
|                   |            | Solidified, Organic Matrix     | 0.00                      | 0.00           | 0.00      |  | U-236                 | 1.56E-07                           |
|                   |            | Soils                          | 0.00                      | 0.00           | 0.00      |  | U-238                 | 9.08E-08                           |
|                   |            | Packaging Material, Steel      | 131.00                    | •              | •         |  |                       |                                    |
|                   |            | Packaging Material, Plastic    | 37.00                     |                |           |  |                       |                                    |
|                   |            | Packaging Material, Lead       | 0.00                      |                |           |  |                       |                                    |
|                   |            | Packaging Material, Steel Plug | 0.00                      |                |           |  |                       |                                    |
|                   |            |                                |                           |                |           |  |                       |                                    |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : SR-W026-WSB-2 |               |               |               |               |       |                    |                   |               |               |               |               |       |  |
|---------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                     | As-Gen  | erated Vo     | lumes         |               |               |       | Final Form Volumes |                   |               |               |               |               |       |  |
|                     | Stored Projected  |               |               |               |               |       |                    | Stored            |               | Proje         | ected         |               |       |  |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| Drum / 55 gallon    | 0.0   | 0.0           | 416.0         | 249.6         | 0.0           | 672.0 | 55 Gallon Drum     | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 672.0 |  |
| As-Generated Stored | 0.0   | Projecte      | ed            | 672.0         | Total         | 672.0 | Final Form Stored  | 0.0               | Projecto      | ed            | 672.0         | Total         | 672.0 |  |

TWBIR ID: SR-W026-WSB-2

| 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. |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | Approximately 200 55-gallon drums per year will be produced.  |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | N/A   |
| Final Form Comments               | Delta between Total # Projected and 200/yr for 16 yrs (3200) is because Total # Projected was calculated from given volume and 200/yr was from given comment. Tbrown 3/22/03                                  |

TWBIR ID: WV-M005

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

0.40

0.00

0.00

#### WV-M005 RH Stream Name TRU Filters Inventory Date 9/30/2002 HQ ID Handling TRU WV S5410 Local ID N/A Waste Type **Generator Site** Final Waste Form Filter **Waste Matrix Code EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Category: Defense TRU Waste\* N/A As-Generated **Material Parameter** Average Lower Upper Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 0.00 0.00 0.00 Am-241 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 Ba-137m 0.00 0.00 Source: Facility/Equipment Operation Cs-137 Cellulosics 0.00 and Maintenance Waste 0.00 0.00 0.00 Rubber Pu-238 **Plastics** 0.00 0.00 0.00 Pu-239 0.00 0.00 0.00 Solidified, Inorganic Matrix Sr-90 Cement (Solidified) 0.00 0.00 0.00 U(unspec) 0.00 0.00 0.00 Y-90 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 351.20

|                                 |                   |               |               | Waste Vo      | olume Det     | ail (Cubic n | neters) for TWBIR ID : WV-M00 | )5                |               |               |               |               |       |  |  |
|---------------------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|--|
|                                 | As-Gen            | erated Vo     | lumes         |               |               |              | Final Form Volumes            |                   |               |               |               |               |       |  |  |
|                                 | Stored            |               | Proje         | Projected     |               |              |                               | Stored            |               | Proje         | ected         |               |       |  |  |
| ContainerType                   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |
| 173.19ft3 Lead Shielded Box     | 14.7              | 0.0           | 0.0           | 0.0           | 0.0           | 14.7         | 55 Gallon Drum                | 59.7              | 0.0           | 0.0           | 0.0           | 0.0           | 106.1 |  |  |
| 60 cubic ft. lead shielded box  | 23.8              | 0.0           | 0.0           | 0.0           | 0.0           | 117.3        | Final Form Stored             | 50.7              | Projecte      | ad            | 46.4          | Total         | 106.1 |  |  |
| 64 ft.3 Box                     | 12.7              | 0.0           | 0.0           | 0.0           | 0.0           | 12.7         | Final Form                    | 39.7              | 1 TOJECK      | -u            | 40.4          | Total         | 100.1 |  |  |
| 70 cubic ft. Type A waste box   | 23.8              | 0.0           | 0.0           | 0.0           | 0.0           | 23.8         |                               |                   |               |               |               |               |       |  |  |
| 84 ft.3 box                     | 19.0              | 0.0           | 0.0           | 0.0           | 0.0           | 19.0         |                               |                   |               |               |               |               |       |  |  |
| 90 cubic ft. waste box          | 10.2              | 0.0           | 0.0           | 0.0           | 0.0           | 10.2         |                               |                   |               |               |               |               |       |  |  |
| BOX / 28.7ft3                   | 4.1               | 0.0           | 0.0           | 0.0           | 0.0           | 4.1          |                               |                   |               |               |               |               |       |  |  |
| Box / 48 cubic ft. Lead Shielde | 8.3               | 0.0           | 0.0           | 0.0           | 0.0           | 8.3          |                               |                   |               |               |               |               |       |  |  |
| Box / Misc.                     | 2.9               | 0.0           | 0.0           | 0.0           | 0.0           | 2.9          |                               |                   |               |               |               |               |       |  |  |
| As-Generated Stored             | 119.4             | Projecte      | ed            | 93.5          | Total         | 212.9        |                               |                   |               |               |               |               |       |  |  |

TWBIR ID: WV-M005

| 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.  |
|-----------------------------------|--|
| Waste Stream Source Description   | Filters generated from changeout of various ventillation systems roughing and HEPA filters from normal site operations.  |
| <b>Current Container Comments</b> | The lead shielding is integral with the box and does not come in contact with the waste. The filters will be repackaged into 55-gallon drums at a later date.  |
| EPA Comments                      | N/A  |
| Management Comments               | WVNS container ID numbers: 12-1513, 12-1514, TC-036, TC-042, TC-045, TC-073, TC-076, TC-086, 1994: TC-001, TC-043, TC-132, TC-134, TC-137, TC-139, TC-140, TC-141, TC-148, TC-152, TC-153, TC-154, TC-155, TC-156, TC-157, TC-158, TC-159, TC-187, TC-189, TC-190, TC138, TC-114, TC-115, TC-119, TC-126, TC-127, TC-128, TC-129, TC-130, TC-131, TC-171, TC-180, TC-181, TC-182, TC-125, TC-183, TC-091, TC-197, TC-199 |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | N/A  |

### TWBIR ID: WV-M007 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

WV-M007 CH Stream Name TRU General Waste Inventory Date 9/30/2002 HQ ID Handling Waste Type MTRU WV Local ID N/A **Generator Site** Final Waste Form N/A **Waste Matrix Code** U9999 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Category: Defense TRU Waste\* N/A As-Generated **Material Parameter** Average Lower Upper Typical Concentration Iron-Base Metal/Alloys 0.00 0.00 0.00 unknown Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 0.00 0.00 0.00 Am-241 PCBs: No Other Inorganic Materials 1.00 0.00 0.00 Ba-137m 0.00 0.00 Source: Facility/Equipment Operation Cs-137 Cellulosics 0.00 and Maintenance Waste 0.00 0.00 0.00 Rubber Pu(unspec) **Plastics** 0.00 0.00 0.00 Sr-90 0.00 0.00 0.00 Solidified, Inorganic Matrix Y-90 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 37.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                | Waste Volume Detail (Cubic meters) for TWBIR ID : WV-M007 |                   |               |               |               |               |       |                |        |                    |               |               |               |               |       |  |  |
|----------------|---|-------------------|---------------|---------------|---------------|---------------|-------|----------------|--------|--------------------|---------------|---------------|---------------|---------------|-------|--|--|
|                | As-Generated Volumes                                      |                   |               |               |               |               |       |                |        | Final Form Volumes |               |               |               |               |       |  |  |
|                | Stored Projected  |                   |               |               |               |               |       |                | Stored |                    | Proje         |               |               |               |       |  |  |
| ContainerType  |   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerTyp   | oe e   | End of<br>CY 2001  | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |
| 55-GALLON DRUM |   | 10.8              | 0.0           | 0.0           | 0.0           | 0.0           | 10.8  | 55 Gallon Drum |        | 10.8               | 0.0           | 0.0           | 0.0           | 0.0           | 10.8  |  |  |
| As-Generated S | Stored  | 10.8              | Projecte      | d             | 0.0           | Total         | 10.8  | Final Form     | Stored | 10.8               | Projecte      | ed            | 0.0           | Total         | 10.8  |  |  |

TWBIR ID: WV-M007

| 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.   |
|-----------------------------------|---|
| Waste Stream Source Description   | General site waste requiring hazardous characterization generated from normal site operations.  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | Further sampling and analysis required to determine the contents of these containers, and if RCRA contaminants are present.   |
| Management Comments               | WVNS Container ID #s for this waste stream are: 5046, 5047, 5069, 5099, 5153, 5253, 5263, 5304, 5321, 5334, 5348, 5382, 5563, 5856, 6310, TD-008, TD-017, TD-028, TD-034, TD-035, TD-036, TD-040, TD-043, TD-184, TD-240, TD-268, TD-271, TD-294, TD-304, TD-308, TD-367, TD-389, TD-399, TD-402, TD-407, TD-546, TD-554, TD-581, TD-596, TD-606, TD-607, TD-622, TD-629, TD-634, TD-924, TD-926, TD-931, TD-432, TD-537, 6503. |
| Acceptance Comments               | * Pending Defense Determination   |
| Final Form Comments               | Some volume reduction may be performed on reduce the number of shipping containers required   |

TWBIR ID: WV-M008

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

WV-M008 CH Stream Name TRU Concrete Inventory Date 12/31/1994 HQ ID Handling TRU WV Local ID N/A Waste Type **Generator Site** Final Waste Form Solidified Inorganics **Waste Matrix Code** S3150 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Category: Defense TRU Waste' N/A As-Generated **Material Parameter** Average Lower Upper Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 0.00 0.00 0.00 Am-241 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 Ba-137m 0.00 0.00 Source: Facility/Equipment Operation Cs-137 Cellulosics 0.00 and Maintenance Waste 0.00 0.00 0.00 Rubber Pu-238 **Plastics** 0.00 0.00 0.00 Pu-239 1.00 0.00 0.00 Solidified, Inorganic Matrix Sr-90 Cement (Solidified) 0.00 0.00 0.00 U(unspec) 0.00 0.00 0.00 Y-90 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 37.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                |                  |                   |               |               | Waste Vo      | olume Det     | ail (Cubic m     | eters) for TWBIR ID : WV | /-M008 |                   |               |               |               |               |       |
|----------------|------------------|-------------------|---------------|---------------|---------------|---------------|------------------|--------------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                |                  | As-Gen            | erated Vo     | lumes         |               |               |                  |                          |        | Final F           | orm Volu      | mes           |               |               |       |
|                | Stored Projected |                   |               |               |               |               | Stored Projected |                          |        |                   |               |               |               |               |       |
| ContainerType  |                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total            | ContainerType            |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55-GALLON DRUM |                  | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2              | 55 Gallon Drum           |        | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2   |
| As-Generated   | Stored           | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2              | Final Form S             | Stored | 0.2               | Projecte      | ed            | 0.0           | Total         | 0.2   |

TWBIR ID: WV-M008

| Waste Stream Description          | This waste stream consists of samples solidified with cement generated from the on-site A&PC laboratory. |
|-----------------------------------|--|
| Waste Stream Source Description   | Concrete samples generated from the on-site Analytical & Process Chemistry (A&PC) laboratory.            |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | N/A  |
| Management Comments               | WVNS TD-076  |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | N/A  |

# TWBIR ID: WV-M010 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID WV-M010 Local ID N/A |                                | Name TRU |       |             | Form Solidified Inorganics           |              | Invento<br>Waste Matr    | ry Date 9/30/2002<br>ix Code S3190 |  |
|----------------------------|--------------------------------|----------|-------|-------------|--------------------------------------|--------------|--------------------------|------------------------------------|--|
| EPA Codes                  | Waste Material Para            |          |       |             | Final Waste Form Descriptors         | TRUCON Codes | Final Form Radionuclides |                                    |  |
| As-Generated               | Material Parameter             | Average  | Lower | Lower Upper | Category: Defense TRU Waste*         | N/A          |                          | Typical                            |  |
| N/A                        | Iron-Base Metal/Alloys         | 0.00     | 0.00  | 0.00        | Residues: No                         | <u> </u>     | lastana                  | Concentration                      |  |
|                            | Aluminum-Base Metal/Alloys     | 0.00     | 0.00  | 0.00        |                                      | <del>1</del> | Isotope                  | (Ci/m3)                            |  |
|                            | Other Metal/Alloys             | 0.00     | 0.00  | 0.00        | Asbestos: No                         | <u>]</u>     | Am-241                   |                                    |  |
|                            | Other Inorganic Materials      | 0.00     | 0.00  | 0.00        | PCBs: No                             | <u> </u>     | Ba-137m                  |                                    |  |
|                            | Cellulosics                    | 0.00     | 0.00  | 0.00        | Source: Facility/Equipment Operation | 1            | Cs-137                   |                                    |  |
|                            | Rubber                         | 0.00     | 0.00  | 0.00        | and Maintenance Waste                | ]            | Pu-238                   |                                    |  |
|                            | Plastics                       | 0.00     | 0.00  | 0.00        |                                      |              | Pu-239                   |                                    |  |
|                            | Solidified, Inorganic Matrix   | 0.00     | 0.00  | 0.00        |                                      |              | Sr-90                    |                                    |  |
|                            | Cement (Solidified)            | 0.00     | 0.00  | 0.00        |                                      |              | U(unspec)                |                                    |  |
|                            | Vitrified                      | 0.00     | 0.00  | 0.00        |                                      |              | Y-90                     |                                    |  |
|                            | Solidified, Organic Matrix     | 0.00     | 0.00  | 0.00        |                                      |              |                          |                                    |  |
|                            | Soils                          | 0.00     | 0.00  | 0.00        |                                      |              |                          |                                    |  |
|                            | Packaging Material, Steel      | 131.00   | •     | •           |                                      |              |                          |                                    |  |
|                            | Packaging Material, Plastic    | 37.00    |       |             |                                      |              |                          |                                    |  |
|                            | Packaging Material, Lead       | 0.00     |       |             |                                      |              |                          |                                    |  |
|                            | Packaging Material, Steel Plug | 0.00     |       |             |                                      |              |                          |                                    |  |

|                |                  |                   |               |               | Waste Vo      | olume Det     | ail (Cubic m | eters) for TWBIR ID : WV | /-M010 |                   |               |               |               |               |       |
|----------------|------------------|-------------------|---------------|---------------|---------------|---------------|--------------|--------------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                |                  | As-Gen            | erated Vo     | lumes         |               |               |              |                          |        | Final F           | orm Volu      | mes           |               |               |       |
|                | Stored Projected |                   | cted          |               |               |               |              | Stored                   |        | Proje             | ected         |               |               |               |       |
| ContainerType  | 9                | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType            |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55-GALLON DRUM |                  | 0.8               | 0.0           | 0.0           | 0.0           | 0.0           | 0.8          | 55 Gallon Drum           |        | 0.8               | 0.0           | 0.0           | 0.0           | 0.0           | 0.8   |
| As-Generated   | Stored           | 0.8               | Projecte      | ed            | 0.0           | Total         | 0.8          | Final Form S             | Stored | 0.8               | Projecte      | ed            | 0.0           | Total         | 0.8   |

TWBIR ID: WV-M010

| Waste Stream Description          | This waste stream consists of spent absorbents generated from site operations. The media absorbed is not known for this waste stream. |
|-----------------------------------|---|
| Waste Stream Source Description   | Spent absorbents generated from site operations.  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | WVNS TD-707, WVNS TD-713,TD-937, TD-924   |
| Acceptance Comments               | * Pending Defense Determination   |
| Final Form Comments               | N/A   |

# TWBIR ID: WV-M013 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

WV-M013 CH Stream Name Sweeping Compound Inventory Date 9/30/2002 HQ ID Handling Waste Type MTRU WV Local ID N/A **Generator Site** Final Waste Form Solidified Inorganics **Waste Matrix Code** S3131 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Upper Category: Defense TRU Waste' As-Generated **Material Parameter** Average Lower N/A Typical Concentration D007, D008 Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 0.00 0.00 0.00 Am-241 PCBs: No Other Inorganic Materials 1.00 0.00 0.00 Ba-137m 0.00 0.00 Source: Facility/Equipment Operation Cellulosics 0.00 Cs-137 and Maintenance Waste 0.00 0.00 0.00 Rubber Pu-238 **Plastics** 0.00 0.00 0.00 Pu-239 0.00 0.00 0.00 Solidified, Inorganic Matrix Sr-90 Cement (Solidified) 0.00 0.00 0.00 U(unspec) 0.00 0.00 0.00 Y-90 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 37.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                  |                  |                   |               |               | Waste Vo      | olume Det     | ail (Cubic m | eters) for TWBIR ID | : WV-M013 |                   |               |               |               |               |       |
|------------------|------------------|-------------------|---------------|---------------|---------------|---------------|--------------|---------------------|-----------|-------------------|---------------|---------------|---------------|---------------|-------|
|                  |                  | As-Gene           | erated Vol    | umes          |               |               |              | Final Form Volumes  |           |                   |               |               |               |               |       |
|                  | Stored Projected |                   | cted          |               |               |               |              | Stored Projected    |           |                   |               |               |               |               |       |
| ContainerType    |                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | Container           | Гуре      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55-GALLON DRUM   |                  | 1.9               | 0.0           | 0.0           | 0.0           | 0.0           | 1.9          | 55 Gallon Drum      |           | 1.9               | 0.0           | 0.0           | 0.0           | 0.0           | 1.9   |
| As-Generated Sto | ored             | 1.9               | Projecte      | ed            | 0.0           | Total         | 1.9          | Final Form          | Stored    | 1.9               | Projecte      | ed            | 0.0           | Total         | 1.9   |

TWBIR ID: WV-M013

| 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. |
|-----------------------------------|---|
| Waste Stream Source Description   | Grid and floor debris generated from normal site operations.  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | It is not known whether paint chips are in this waste stream. Sampling and analysis are required.   |
| Management Comments               | WVNS TD-006, WVNS TD-009, WVNS TD-011, WVNS TD-025, WVNS TD-042, WVNS TD-048, WVNS TD-122, TD-026   |
| Acceptance Comments               | * Pending Defense Determination   |
| Final Form Comments               | N/A   |

TWBIR ID: WV-M015

Annex I

#### TRU WASTE BASELINE INVENTORY WASTE PROFILE

|          |                |                              | 1110 117    | OIL DA | TOLLINE     | INVENTORY WASTET ROTTLE       |               |            |                    |
|----------|----------------|------------------------------|-------------|--------|-------------|-------------------------------|---------------|------------|--------------------|
| HQ ID    | WV-M015<br>N/A |                              |             |        |             | eneral Waste                  |               |            | ory Date 9/30/2002 |
| Local ID | IN/A           | Waste Type TRU Genera        | tor Site W\ | Fin    | iai waste F | Form Heterogeneous Debris     |               | Waste Matr | IX Code 33420      |
| EP       | A Codes        | Waste Material Par           | ameters (kg | /m3)   |             | Final Waste Form Descriptors  | TRUCON Codes  | Final Form | Radionuclides      |
| As-0     | Generated      | Material Parameter           | Average     | Lower  | Upper       | Category: Defense TRU Waste*  | N/A           |            | Typical            |
|          | N/A            | Iron-Base Metal/Alloys       | 0.00        | 0.00   | 0.00        | Residues: No                  | <u> </u>      |            | Concentration      |
|          |                | Aluminum-Base Metal/Alloys   | 0.00        | 0.00   | 0.00        |                               | <del>- </del> | Isotope    | (Ci/m3)            |
|          |                | Other Metal/Alloys           | 1.00        | 0.00   | 0.00        | Asbestos: No                  | ╛             | Am-241     |                    |
|          |                | Other Inorganic Materials    | 1.00        | 0.00   | 0.00        | PCBs: No                      |               | Cs-137     |                    |
|          |                | Cellulosics                  | 0.00        | 0.00   | 0.00        | Source: Remediation/D&D Waste | $\neg$        | Pu(unspec) |                    |
|          |                | Rubber                       | 0.00        | 0.00   | 0.00        |                               |               | Sr-90      |                    |
|          |                | Plastics                     | 0.00        | 0.00   | 0.00        |                               |               |            |                    |
|          |                | Solidified, Inorganic Matrix | 0.00        | 0.00   | 0.00        |                               |               |            |                    |
|          |                | Cement (Solidified)          | 0.00        | 0.00   | 0.00        |                               |               |            |                    |
|          |                | Vitrified                    | 0.00        | 0.00   | 0.00        |                               |               |            |                    |
|          |                | Solidified, Organic Matrix   | 0.00        | 0.00   | 0.00        |                               |               |            |                    |
|          |                | Soils                        | 0.00        | 0.00   | 0.00        |                               |               |            |                    |
|          |                | Packaging Material, Steel    | 435.00      |        |             |                               |               |            |                    |
|          |                | Packaging Material, Plastic  | 0.00        |        |             |                               |               |            |                    |
|          |                | Packaging Material, Lead     | 465.00      |        |             |                               |               |            |                    |

|                       |                      |                   |               |               | Waste Vo      | olume Det     | ail (Cubic n |  |  |  |  |
|-----------------------|----------------------|-------------------|---------------|---------------|---------------|---------------|--------------|--|--|--|--|
|                       | As-Generated Volumes |                   |               |               |               |               |              |  |  |  |  |
|                       |                      | Stored            |               |               |               |               |              |  |  |  |  |
| ContainerTy           | pe                   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        |  |  |  |  |
| 370 cubic foot waste  | box                  | 10.5              | 0.0           | 0.0           | 0.0           | 0.0           | 10.5         |  |  |  |  |
| 70 cubic ft. Type A v | vaste box            | 2.0               | 0.0           | 0.0           | 0.0           | 0.0           | 2.0          |  |  |  |  |
| Drum / 55 gallon      |                      | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6          |  |  |  |  |
| As-Generated          | Stored               | 13.1              | Projecte      | ed            | 0.0           | Total         | 13.1         |  |  |  |  |

Packaging Material, Steel Plug

| m | eters) for TWBIR ID : | WV-M015       |                  |          |               |               |               |       |     |     |     |
|---|-----------------------|---------------|------------------|----------|---------------|---------------|---------------|-------|-----|-----|-----|
|   |                       |               | Final F          | orm Volu | mes           |               |               |       |     |     |     |
| 1 |                       |               | Stored<br>End of |          |               |               |               |       |     |     |     |
|   | ContainerTyp          | ContainerType |                  |          | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |     |     |     |
| 5 | 55 Gallon Drum        | 5 Gallon Drum |                  |          | 6.0           |               | 0.0           | 0.0   | 0.0 | 0.0 | 6.0 |
| 0 | Final Form            | Stored        | 6.0              | Projecte | ed            | 0.0           | Total         | 6.0   |     |     |     |

TWBIR ID: **WV-M015** 

| 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. |
|-----------------------------------|--|
| Waste Stream Source Description   | Floor debris, vacuum lines, pipe, and hose generated from clean-up of the Chemical Process Cell.   |
| <b>Current Container Comments</b> | Contains 6, 44"by 44" by 44" boxes   |
| EPA Comments                      | N/A  |
| Management Comments               | WVNS container ID's for these boxes: TC-172, TD-173, TD-174, TD-175, 3E-1/7E-5/7E-8  |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | A portion of this waste stream will be repackaged into 55-gallon drums.  |

# TWBIR ID: WV-T001 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID WV-T001<br>Local ID N/A |                                | Name Fissi<br>or Site W |       |       | Form Heterogeneous Debris     |              |            | ory Date 9/30/200<br>ix Code S5490 |
|-------------------------------|--------------------------------|-------------------------|-------|-------|-------------------------------|--------------|------------|------------------------------------|
| EPA Codes                     | Waste Material Para            | meters (kg              | /m3)  |       | Final Waste Form Descriptors  | TRUCON Codes | Final Form | Radionuclides                      |
| As-Generated                  | Material Parameter             | Average                 | Lower | Upper | Category: Defense TRU Waste*  | N/A          |            | Typical                            |
| N/A                           | Iron-Base Metal/Alloys         | 0.00                    | 0.00  | 0.00  | Residues: No                  | <u> </u>     | Icotono    | Concentration                      |
|                               | Aluminum-Base Metal/Alloys     | 0.00                    | 0.00  | 0.00  |                               | ╡            | Isotope    | (Ci/m3)                            |
|                               | Other Metal/Alloys             | 0.00                    | 0.00  | 0.00  | Asbestos: No                  | <u> </u>     | Pu(unspec) | 0.00E+00                           |
|                               | Other Inorganic Materials      | 1.00                    | 0.00  | 0.00  | PCBs: No                      |              | Pu-239     | 0.00E+00                           |
|                               | Cellulosics                    | 0.00                    | 0.00  | 0.00  | Source: Remediation/D&D Waste |              | U(unspec)  | 0.00E+00                           |
|                               | Rubber                         | 0.00                    | 0.00  | 0.00  | •                             | <u> </u>     |            |                                    |
|                               | Plastics                       | 0.00                    | 0.00  | 0.00  |                               |              |            |                                    |
|                               | Solidified, Inorganic Matrix   | 0.00                    | 0.00  | 0.00  |                               |              |            |                                    |
|                               | Cement (Solidified)            | 0.00                    | 0.00  | 0.00  |                               |              |            |                                    |
|                               | Vitrified                      | 0.00                    | 0.00  | 0.00  |                               |              |            |                                    |
|                               | Solidified, Organic Matrix     | 0.00                    | 0.00  | 0.00  |                               |              |            |                                    |
|                               | Soils                          | 0.00                    | 0.00  | 0.00  |                               |              |            |                                    |
|                               | Packaging Material, Steel      | 131.00                  |       |       |                               |              |            |                                    |
|                               | Packaging Material, Plastic    | 37.00                   |       |       |                               |              |            |                                    |
|                               | Packaging Material, Lead       | 0.00                    |       |       |                               |              |            |                                    |
|                               | Packaging Material, Steel Plug | 0.00                    |       |       |                               |              |            |                                    |

|                       |            | As-Gen            | erated Vol    | umes          | Waste Vo      | olume Det     | tail (Cubic m | neters) for TWBIR ID | : WV-T001 |          |
|-----------------------|------------|-------------------|---------------|---------------|---------------|---------------|---------------|----------------------|-----------|----------|
| ContainerType         |            | Stored            | Projected     |               |               |               |               |                      |           | Sto      |
|                       |            | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total         | ContainerType        |           | En<br>CY |
| Box / 70 cubic ft. Ty | ype A Wast | 15.8              | 0.0           | 0.0           | 0.0           | 0.0           | 15.8          | 55 Gallon Drum       |           |          |
| Box / 90 cubic ft. W  | aste /     | 15.3              | 0.0           | 0.0           | 0.0           | 0.0           | 15.3          | E: . E               | Ctonod    |          |
| Drum / 55 gallon      |            | 8.1               | 0.0           | 0.0           | 0.0           | 0.0           | 8.1           | Final Form           | Stored    |          |
| As-Generated          | Stored     | 39.3              | Projecte      | ed            | 0.0           | Total         | 39.3          |                      |           |          |

| cers) for TWERK ID : WV-1001 |        |                   |               |               |               |               |       |
|------------------------------|--------|-------------------|---------------|---------------|---------------|---------------|-------|
|                              |        | Final F           | orm Volu      | mes           |               |               |       |
| ContainerType                |        | Stored            |               |               |               |               |       |
|                              |        | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55 Gallon Drum               |        | 36.8              | 0.0           | 0.0           | 0.0           | 0.0           | 36.8  |
| Final Form                   | Stored | 36.8              | Projecte      | -d            | 0.0           | Total         | 36.8  |

TWBIR ID: WV-T001

| 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   |
|-----------------------------------|---|
| Waste Stream Source Description   | Solid fissile material generated from previous decontamination and decommissioning activities.  |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | WVNS 55-gallon drum container ID's: TD-583, TD-461, TD-507, TD-509, TD-502, TD-506, TD-505, TD-476, TD-500, TD-474, TD-471, TD-492, TD-602, TD-932, TD-715, TD-497, TD-797, TD-456, TD-493, TD-559, TD-941, TD-1225, TD-1226, TD-1257, TD-1263, TD-1266, TD-1267, TD-1271, TD-1272, TD-1273, TD-1274, TD-1278, TD-1278, TD-1285, TD-1286, TD-1287, TD-1171, TD-1215. TC-032, TC-065, TC-969, TC-144, TC-151, TC-150, TC-104, TC-143, TC-100B, TC-201, TC-146, TC-198, TC-084. |
| Acceptance Comments               | * Pending Defense Determination   |
| Final Form Comments               | N/A   |

# TWBIR ID: WV-T004 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

WV-T004 CH Stream Name Fissile Material - Other Inventory Date 9/30/2002 HQ ID Handling TRU **Generator Site** Local ID N/A Waste Type WV Final Waste Form N/A **Waste Matrix Code** U9999 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Category: Defense TRU Waste\* N/A As-Generated **Material Parameter** Average Lower Upper Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 0.00 0.00 0.00 Pu-238 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 Pu-239 Source: Remediation/D&D Waste 0.00 0.00 Cellulosics 0.00 U(unspec) 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 1.00 0.00 0.00 Solidified, Inorganic Matrix Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 37.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                  |                      |                   |               |               | Waste V       | olume Det     | ail (Cubic m | eters) for TWBIR ID : WV-T004 |                   |               |               |               |               |       |
|------------------|----------------------|-------------------|---------------|---------------|---------------|---------------|--------------|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                  | As-Generated Volumes |                   |               |               |               |               |              | Final Form Volumes            |                   |               |               |               |               |       |
| Stored Projected |                      |                   |               |               |               |               |              | Stored                        |                   | Proje         | ected         |               |               |       |
| ContainerType    |                      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55-GALLON DRUM   |                      | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6          | 55 Gallon Drum                | 0.6               | 0.0           | 0.0           | 0.0           | 0.0           | 0.6   |
| As-Generated St  | tored                | 0.6               | Projecte      | ed            | 0.0           | Total         | 0.6          | Final Form Stored             | 0.6               | Projecte      | ed            | 0.0           | Total         | 0.6   |

TWBIR ID: WV-T004

| 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. |
|-----------------------------------|--|
| Waste Stream Source Description   | Fissile material generated from previous decontamination and decommissioning activities.   |
| <b>Current Container Comments</b> | Currently store in 55 gallon drums.  |
| EPA Comments                      | the specific contents of this waste stream are unknown.  |
| Management Comments               | WVNS TD-478, WVNS TD-640, WVNS TC-1309   |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | N/A  |

TWBIR ID: WV-T006

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

### WV-T006 CH Stream Name TRU General Waste Inventory Date 9/30/2002 HQ ID Handling TRU WV Local ID N/A Waste Type **Generator Site** Final Waste Form Heterogeneous Debris **Waste Matrix Code** S5490 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes Final Form Radionuclides** Upper Category: Defense TRU Waste' N/A As-Generated **Material Parameter** Average Lower Typical Concentration N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No (Ci/m3) Isotope Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 1.00 0.00 0.00 Am-241 PCBs: No Other Inorganic Materials 1.00 0.00 0.00 Ba-137m 0.00 0.00 Source: Facility/Equipment Operation Cs-137 Cellulosics 0.00 and Maintenance Waste 1.00 0.00 0.00 Rubber Pu(unspec) **Plastics** 1.00 0.00 0.00 Sr-90 0.00 0.00 0.00 Solidified, Inorganic Matrix U(unspec) Cement (Solidified) 0.00 0.00 0.00 Y-90 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 143.40 Packaging Material, Plastic 17.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                     |                      |               |               | Waste V       | olume Det     | ail (Cubic m | eters) for TWBIR ID : WV-T006 |                    |               |               |               |               |       |
|---------------------|----------------------|---------------|---------------|---------------|---------------|--------------|-------------------------------|--------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Generated Volumes |               |               |               |               |              |                               | Final Form Volumes |               |               |               |               |       |
| Stored Projected    |                      |               |               |               |               | Stored       |                               | Proje              | ected         |               |               |               |       |
| ContainerType       | End of<br>CY 2001    | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType                 | End of<br>CY 2001  | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55-GALLON DRUM      | 10.4                 | 4.1           | 6.1           | 0.0           | 0.0           | 20.6         | 55 Gallon Drum                | 10.4               | 0.0           | 0.0           | 0.0           | 0.0           | 20.6  |
| As-Generated Stored | 10.4                 | Projecte      | ed            | 10.2          | Total         | 20.6         | Final Form Stored             | 10.4               | Projecte      | ed            | 10.2          | Total         | 20.6  |

TWBIR ID: WV-T006

| 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.   |
|-----------------------------------|---|
| Waste Stream Source Description   | Radiologically and hazardous classified general site waste generated from normal site operation.  |
| <b>Current Container Comments</b> | Currently stored in 55-gallon drums.  |
| EPA Comments                      | none  |
| Management Comments               | WVNS 55-gallon drum Container ID #s for this waste stream are: 4581, 6224, TD-002, TD-024, TD-027, TD-030, TD-037, TD-049, TD-058, TD-102, TD-103, TD-110, TD-113, TD-115, TD-117, TD-120, TD-132, TD-139, TD-142, TD-260, TD-305, TD-332, TD-379, TD-386, TD-395, TD-415, TD-422, TD-440, TD-441, TD-442, TD-445, TD-477, TD-522, TD-525, TD-528, TD-529, TD-531, TD-553, TD-573, TD-585, TD-587, TD-591, TD-595, TD-610, TD-632, TD-637, TD-648, TD-649, TD-659, TD-719, TD-937. For 1994 |
| Acceptance Comments               | * Pending Defense Determination   |
| Final Form Comments               | N/A   |

TWBIR ID: WV-T009

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | WV-T009<br>N/A                  |                                | Name TRU   |       |       | Waste Form Heterogeneous Debris     |              | Invento<br>Waste Matr | ory Date 9/30/2002<br>rix Code S5420 |
|-------------------|---------------------------------|--------------------------------|------------|-------|-------|-------------------------------------|--------------|-----------------------|--------------------------------------|
| EP.               | A Codes                         | Waste Material Para            | meters (kg | /m3)  |       | Final Waste Form Descriptors        | TRUCON Codes | Final Form            | Radionuclides                        |
| As-G              | As-Generated Material Parameter |                                | Average    | Lower | Upper | Category: Defense TRU Waste*        | N/A          |                       | Typical                              |
|                   | N/A Iron-Base Metal/Alloys      |                                | 0.00       | 0.00  | 0.00  | Residues: No                        | <u> </u>     | Isotope               | Concentration (Ci/m3)                |
|                   |                                 | Aluminum-Base Metal/Alloys     | 0.00       | 0.00  | 0.00  | Asbestos: No                        | <u> </u>     | isotope               | (Ci/ilis)                            |
|                   |                                 | Other Metal/Alloys             | 0.00       | 0.00  | 0.00  |                                     | <u> </u>     | Am-241                |                                      |
|                   |                                 | Other Inorganic Materials      | 1.00       | 0.00  | 0.00  | PCBs: No                            | ]            | Ba-137m               |                                      |
|                   |                                 | Cellulosics                    | 0.00       | 0.00  | 0.00  | Source: Analytical Laboratory Waste | ]            | Cs-137                |                                      |
|                   |                                 | Rubber                         | 0.00       | 0.00  | 0.00  |                                     | <u>-</u>     | Pu(unspec)            |                                      |
|                   |                                 | Plastics                       | 0.00       | 0.00  | 0.00  |                                     |              | Sr-90<br>U(unspec)    |                                      |
|                   |                                 | Solidified, Inorganic Matrix   | 0.00       | 0.00  | 0.00  |                                     |              |                       |                                      |
|                   |                                 | Cement (Solidified)            | 0.00       | 0.00  | 0.00  |                                     |              | Y-90                  |                                      |
|                   |                                 | Vitrified                      | 0.00       | 0.00  | 0.00  |                                     |              |                       |                                      |
|                   |                                 | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00  |                                     |              |                       |                                      |
|                   |                                 | Soils                          | 0.00       | 0.00  | 0.00  |                                     |              |                       |                                      |
|                   |                                 | Packaging Material, Steel      | 131.00     |       |       |                                     |              |                       |                                      |
|                   |                                 | Packaging Material, Plastic    | 37.00      |       |       |                                     |              |                       |                                      |
|                   |                                 | Packaging Material, Lead       | 0.00       |       |       |                                     |              |                       |                                      |
|                   |                                 | Packaging Material, Steel Plug | 0.00       |       |       |                                     |              |                       |                                      |

|                |                      |                   |               |               | Waste V       | olume Det     | ail (Cubic m     | eters) for TWBIR ID : WV-T | Г009  |       |               |               |               |               |       |
|----------------|----------------------|-------------------|---------------|---------------|---------------|---------------|------------------|----------------------------|-------|-------|---------------|---------------|---------------|---------------|-------|
|                | As-Generated Volumes |                   |               |               |               |               |                  | Final Form Volumes         |       |       |               |               |               |               |       |
|                | Stored Projected     |                   |               |               |               |               | Stored Projected |                            |       | ected |               |               |               |               |       |
| ContainerType  | e                    | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total            | ContainerType              | End o |       | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55-GALLON DRUM |                      | 10.0              | 8.5           | 12.7          | 0.0           | 0.0           | 31.2             | 55 Gallon Drum             |       | 10.0  | 0.0           | 0.0           | 0.0           | 0.0           | 31.2  |
| As-Generated   | Stored               | 10.0              | Projecte      | ed            | 21.2          | Total         | 31.2             | Final Form Sto             | red   | 10.0  | Projecte      | ed            | 21.2          | Total         | 31.2  |

TWBIR ID: WV-T009

| Waste Stream Description          | This waste stream consists of general laboratory waste generated on-site. The specific contents include anticontamination clothing, bags, wipes, samples, etc.   |
|-----------------------------------|--|
| Waste Stream Source Description   | General laboratory waste generated on-site.  |
| <b>Current Container Comments</b> | Currently stored in 55-gallon drums.   |
| EPA Comments                      | none   |
| Management Comments               | WVNS Container ID's for these 10, 55-gallon drums; TD-026, TD-142, TD-659, TD-1009, TD-1028, TD-1029, TD-1043, TD-958, TD-963, TD-966, TD-969, TD-355, TD-1053, TD-1064, TD-1074, TD-1078, TD-1081, TD-1087, TD-1102, TD-1106, TD-1112, TD-1139, TD-1146, TD-1146, TD-1150, TD-1151, TD-1152, TD-1154, TD-1160, TD-1161, TD-1163, TD-1165, TD-1166, TD-1167, TD-1176, TD-1177, TD-1186, TD-1191, TD-1194, TD-1195, TD-1197, TD-1190, TD-1204, TD-1211, TD-1212, TD-1279. |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | It is estimated that volume reduction could be performed.  |

# TWBIR ID: WV-T011 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID WV-T011<br>Local ID N/A |                                | Name TRU   |       |       | Form Uncategorized Metal      |               | Inventory Date 9/30 Waste Matrix Code S |               |  |  |
|-------------------------------|--------------------------------|------------|-------|-------|-------------------------------|---------------|---|---------------|--|--|
| EPA Codes                     | Waste Material Para            | meters (kg | /m3)  |       | Final Waste Form Descriptors  | TRUCON Codes  | Final Form                              | Radionuclides |  |  |
| As-Generated                  | Material Parameter             | Average    | Lower | Upper | Category: Defense TRU Waste*  | N/A           |   | Typical       |  |  |
| N/A                           | Iron-Base Metal/Alloys         | 0.00       | 0.00  | 0.00  | Residues: No                  | <u> </u>      | lastens                                 | Concentration |  |  |
|                               | Aluminum-Base Metal/Alloys     | 0.00       | 0.00  | 0.00  |                               | <u>1</u><br>7 | Isotope                                 | (Ci/m3)       |  |  |
|                               | Other Metal/Alloys             | 1.00       | 0.00  | 0.00  | Asbestos: No                  | <u> </u>      | Am-241                                  |               |  |  |
|                               | Other Inorganic Materials      | 0.00       | 0.00  | 0.00  | PCBs: No                      | <u> </u>      | Ba-137m                                 |               |  |  |
|                               | Cellulosics                    | 0.00       | 0.00  | 0.00  | Source: Remediation/D&D Waste | 1             | Cs-137                                  |               |  |  |
|                               | Rubber                         | 0.00       | 0.00  | 0.00  |                               | •             | Pu(unspec)                              |               |  |  |
|                               | Plastics                       | 0.00       | 0.00  | 0.00  |                               |               | Sr-90                                   |               |  |  |
|                               | Solidified, Inorganic Matrix   | 0.00       | 0.00  | 0.00  |                               |               | U(unspec)                               |               |  |  |
|                               | Cement (Solidified)            | 0.00       | 0.00  | 0.00  |                               |               | Y-90                                    |               |  |  |
|                               | Vitrified                      | 0.00       | 0.00  | 0.00  |                               |               |   |               |  |  |
|                               | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00  |                               |               |   |               |  |  |
|                               | Soils                          | 0.00       | 0.00  | 0.00  |                               |               |   |               |  |  |
|                               | Packaging Material, Steel      | 131.00     | •     | •     |                               |               |   |               |  |  |
|                               | Packaging Material, Plastic    | 37.00      |       |       |                               |               |   |               |  |  |
|                               | Packaging Material, Lead       | 0.00       |       |       |                               |               |   |               |  |  |
|                               | Packaging Material, Steel Plug | 0.00       |       |       |                               |               |   |               |  |  |

|                  |        |                   |               |               | Waste V       | olume Det     | tail (Cubic m    | neters) for TWBIR ID : WV-T011 |                   |               |               |               |               |       |
|------------------|--------|-------------------|---------------|---------------|---------------|---------------|------------------|--------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                  |        | As-Gene           | erated Vol    | umes          |               |               |                  | Final Form Volumes             |                   |               |               |               |               |       |
| Stored Projected |        |                   |               |               |               |               | Stored Projected |                                |                   |               |               |               |               |       |
| ContainerTyp     | e      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total            | ContainerType                  | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 55-GALLON DRUM   |        | 0.2               | 0.0           | 0.0           | 0.0           | 0.0           | 0.2              | 55 Gallon Drum                 | 10.2              | 0.0           | 0.0           | 0.0           | 0.0           | 10.2  |
| Box / Misc.      |        | 33.9              | 0.0           | 0.0           | 0.0           | 0.0           | 33.9             | Final Form Stored              | 10.2              | Projecte      | ed            | 0.0           | Total         | 10.2  |
| As-Generated     | Stored | 34.1              | Projecte      | d             | 0.0           | Total         | 34.1             |                                |                   | ,             |               |               |               |       |

TWBIR ID: WV-T011

| 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. |
|-----------------------------------|--|
| Waste Stream Source Description   | Radiologically and hazardous classified glove boxes generated from decomissioning and decontamination activities.  |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | None   |
| Management Comments               | WVNS Container ID number is TD-370, TC-191, TC-192, TC-194.  |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | Waste will be size reduced and repackaged into 55-gallon drums at a future date.   |

## TWBIR ID: WV-T014 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|          |           |                                |            | _     | _        |                               |              |             |                    |
|----------|-----------|--------------------------------|------------|-------|----------|-------------------------------|--------------|-------------|--------------------|
| HQ ID    | WV-T014   |                                | Name Che   |       |          |                               |              | <del></del> | ory Date 9/30/2002 |
| Local ID | N/A       | Waste Type TRU Generate        | or Site W\ | / Fin | al Waste | Form Uncategorized Metal      |              | Waste Matr  | ix Code S5111      |
| EP       | A Codes   | Waste Material Para            | meters (kg | /m3)  |          | Final Waste Form Descriptors  | TRUCON Codes | Final Form  | Radionuclides      |
| As-0     | Generated | Material Parameter             | Average    | Lower | Upper    | Category: Defense TRU Waste*  | N/A          |             | Typical            |
| N/A      |           | Iron-Base Metal/Alloys         | 0.00       | 0.00  | 0.00     | Residues: No                  | _            | lootono     | Concentration      |
|          |           | Aluminum-Base Metal/Alloys     | 0.00       | 0.00  | 0.00     | Asbestos: No                  | <u></u><br>T | Isotope     | (Ci/m3)            |
|          |           | Other Metal/Alloys             | 1.00       | 0.00  | 0.00     | Aspestos. 110                 | <u> </u>     | Am-241      |                    |
|          |           | Other Inorganic Materials      | 0.00       | 0.00  | 0.00     | PCBs: No                      | <u> </u>     | Cs-137      |                    |
|          |           | Cellulosics                    | 0.00       | 0.00  | 0.00     | Source: Remediation/D&D Waste |              | Pu(unspec)  |                    |
|          |           | Rubber                         | 0.00       | 0.00  | 0.00     |                               | _            | Sr-90       |                    |
|          |           | Plastics                       | 0.00       | 0.00  | 0.00     |                               |              |             |                    |
|          |           | Solidified, Inorganic Matrix   | 0.00       | 0.00  | 0.00     |                               |              |             |                    |
|          |           | Cement (Solidified)            | 0.00       | 0.00  | 0.00     |                               |              |             |                    |
|          |           | Vitrified                      | 0.00       | 0.00  | 0.00     |                               |              |             |                    |
|          |           | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00     |                               |              |             |                    |
|          |           | Soils                          | 0.00       | 0.00  | 0.00     |                               |              |             |                    |
|          |           | Packaging Material, Steel      | 434.00     | •     | -        |                               |              |             |                    |
|          |           | Packaging Material, Plastic    | 0.00       |       |          |                               |              |             |                    |
|          |           | Packaging Material, Lead       | 465.00     |       |          |                               |              |             |                    |
|          |           | Packaging Material, Steel Plug | 0.00       |       |          |                               |              |             |                    |

|                               | Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T014 |               |               |               |               |                  |                   |                    |               |               |               |               |       |
|-------------------------------|---|---------------|---------------|---------------|---------------|------------------|-------------------|--------------------|---------------|---------------|---------------|---------------|-------|
|                               | As-Generated Volumes                                      |               |               |               |               |                  |                   | Final Form Volumes |               |               |               |               |       |
| Stored Projected              |   |               |               |               |               | Stored Projected |                   |                    |               |               |               |               |       |
| ContainerType                 | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total            | ContainerType     | End of<br>CY 2001  | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Various size metal waste boxe | 270.0   | 0.0           | 0.0           | 0.0           | 0.0           | 270.0            | 55 Gallon Drum    | 10.6               | 0.0           | 0.0           | 0.0           | 0.0           | 10.6  |
| As-Generated Stored           | 270.0   | Projecte      | ed            | 0.0           | Total         | 270.0            | Final Form Stored | 10.6               | Projecte      | ed            | 0.0           | Total         | 10.6  |

TWBIR ID: WV-T014

| 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.                      |
|-----------------------------------|---|
| Waste Stream Source Description   | Vessels removed from the Chemical Process Cell.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | 3C-1 (fuel dissolver), 3C-2 (fuel dissolver), 7C-2 (LLW evaporator), 3E-2/3E-3 (dissolver condensers), 7C-4 (recycle evaporator), 7D-10 (LLW accountability and neutralizer tank), 7C-1 (HLW evaporator), 3D-1 (fuel accountability and feed adjustment tank), 7D-4 (HLW accountability and neutralizer tank) |
| Acceptance Comments               | * Pending Defense Determination   |
| Final Form Comments               | These tanks/vessels will be size reduced and repackaged into 55-gallon drums.   |

## TWBIR ID: WV-T016 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

|          |           |                                |            | _     | _         |                               |              |                          |                    |  |  |
|----------|-----------|--------------------------------|------------|-------|-----------|-------------------------------|--------------|--------------------------|--------------------|--|--|
| HQ ID    | WV-T016   |                                |            |       |           | liscellaneous Equipment       |              | <del></del>              | ory Date 9/30/2002 |  |  |
| Local ID | N/A       | Waste Type TRU Generate        | or Site W\ | / Fin | iai waste | Form Uncategorized Metal      |              | Waste Matr               | ix Code S5111      |  |  |
| EP       | A Codes   | Waste Material Para            | meters (kg | /m3)  |           | Final Waste Form Descriptors  | TRUCON Codes | Final Form Radionuclides |                    |  |  |
| As-      | Generated | Material Parameter             | Average    | Lower | Upper     | Category: Defense TRU Waste*  | N/A          |                          | Typical            |  |  |
|          | N/A       | Iron-Base Metal/Alloys         | 1.00       | 0.00  | 0.00      | Residues: No                  | <u> </u>     | lastana                  | Concentration      |  |  |
|          |           | Aluminum-Base Metal/Alloys     | 0.00       | 0.00  | 0.00      |                               | <u></u><br>T | Isotope                  | (Ci/m3)            |  |  |
|          |           | Other Metal/Alloys             | 0.00       | 0.00  | 0.00      | Asbestos: No                  | <u> </u>     | Am-241                   |                    |  |  |
|          |           | Other Inorganic Materials      | 0.00       | 0.00  | 0.00      | PCBs: No                      |              | Cs-137                   |                    |  |  |
|          |           | Cellulosics                    | 0.00       | 0.00  | 0.00      | Source: Remediation/D&D Waste |              | Pu(unspec)               |                    |  |  |
|          |           | Rubber                         | 0.00       | 0.00  | 0.00      |                               | _            | Sr-90                    |                    |  |  |
|          |           | Plastics                       | 0.00       | 0.00  | 0.00      |                               |              |                          |                    |  |  |
|          |           | Solidified, Inorganic Matrix   | 0.00       | 0.00  | 0.00      |                               |              |                          |                    |  |  |
|          |           | Cement (Solidified)            | 0.00       | 0.00  | 0.00      |                               |              |                          |                    |  |  |
|          |           | Vitrified                      | 0.00       | 0.00  | 0.00      |                               |              |                          |                    |  |  |
|          |           | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00      |                               |              |                          |                    |  |  |
|          |           | Soils                          | 0.00       | 0.00  | 0.00      |                               |              |                          |                    |  |  |
|          |           | Packaging Material, Steel      | 434.00     | •     |           |                               |              |                          |                    |  |  |
|          |           | Packaging Material, Plastic    | 0.00       |       |           |                               |              |                          |                    |  |  |
|          |           | Packaging Material, Lead       | 465.00     |       |           |                               |              |                          |                    |  |  |
|          |           | Packaging Material, Steel Plug | 0.00       |       |           |                               |              |                          |                    |  |  |

|                  | Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T016 |           |                   |               |               |               |                  |       |                    |                   |               |               |               |               |       |  |
|------------------|---|-----------|-------------------|---------------|---------------|---------------|------------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|
|                  |   |           | As-Gen            | erated Vo     | lumes         |               |                  |       | Final Form Volumes |                   |               |               |               |               |       |  |
| Stored Projected |   |           |                   |               |               |               | Stored Projected |       |                    |                   | ected         |               |               |               |       |  |
|                  | ContainerTyp  | e         | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036    | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |
| 432 cu           | ıbic ft. 6ft by 6ft                                       | by 12 ft. | 146.8             | 0.0           | 0.0           | 0.0           | 0.0              | 146.8 | 55 Gallon Drum     | 8.5               | 0.0           | 0.0           | 0.0           | 0.0           | 8.5   |  |
| As-Ger           | nerated   | Stored    | 146.8             | Projecte      | ed            | 0.0           | Total            | 146.8 | Final Form Stored  | 8.5               | Projecte      | ed            | 0.0           | Total         | 8.5   |  |

TWBIR ID: WV-T016

| 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. |
|-----------------------------------|--|
| Waste Stream Source Description   | Various jumpers and miscellaneous equipment generated from the decontamination and decomissioning of the Chemical Process Cell   |
| <b>Current Container Comments</b> | N/A  |
| EPA Comments                      | N/A  |
| Management Comments               | Jumper Boxes J1 Through J-12 Each jumper box is 432 cubic feet and contains a inner container which houses the jumpers and misc. waste   |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | These containers will be size reduced and repackaged into 55-gallon drums at a later date.   |

TWBIR ID: WV-T017

| HQ ID<br>Local ID | WV-T017<br>N/A | ·                              | Name Sper  |       |   | Form Solidified Inorganics           | Invento<br>Waste Matr | ory Date 9/30/2002<br>ix Code S3115 |
|-------------------|----------------|--------------------------------|------------|-------|---|--------------------------------------|-----------------------|-------------------------------------|
| EF                | A Codes        | Waste Material Para            | meters (kg | /m3)  | Final Waste Form Descriptors TRUCON Codes | Final Form                           | Radionuclides         |                                     |
| As-               | Generated      | Material Parameter             | Average    | Lower | Upper                                     | Category: Defense TRU Waste* N/A     |                       | Typical                             |
|                   | N/A            | Iron-Base Metal/Alloys         | 0.00       | 0.00  | 0.00                                      | Residues: No                         | Instance              | Concentration                       |
|                   |                | Aluminum-Base Metal/Alloys     | 0.00       | 0.00  | 0.00                                      |                                      | Isotope               | (Ci/m3)                             |
|                   |                | Other Metal/Alloys             | 0.00       | 0.00  | 0.00                                      | Asbestos: No                         | Am-241                |                                     |
|                   |                | Other Inorganic Materials      | 1.00       | 0.00  | 0.00                                      | PCBs: No                             | Ba-137m               |                                     |
|                   |                | Cellulosics                    | 0.00       | 0.00  | 0.00                                      | Source: Facility/Equipment Operation | Cs-137                |                                     |
|                   |                | Rubber                         | 0.00       | 0.00  | 0.00                                      | and Maintenance Waste                | Pu-238                |                                     |
|                   |                | Plastics                       | 0.00       | 0.00  | 0.00                                      |                                      | Pu-239                |                                     |
|                   |                | Solidified, Inorganic Matrix   | 0.00       | 0.00  | 0.00                                      |                                      | Sr-90                 |                                     |
|                   |                | Cement (Solidified)            | 0.00       | 0.00  | 0.00                                      |                                      | U(unspec)             |                                     |
|                   |                | Vitrified                      | 0.00       | 0.00  | 0.00                                      |                                      | Y-90                  |                                     |
|                   |                | Solidified, Organic Matrix     | 0.00       | 0.00  | 0.00                                      |                                      |                       |                                     |
|                   |                | Soils                          | 0.00       | 0.00  | 0.00                                      |                                      |                       |                                     |
|                   |                | Packaging Material, Steel      | 154.00     | · •   |   |                                      |                       |                                     |
|                   |                | Packaging Material, Plastic    | 0.00       |       |   |                                      |                       |                                     |
|                   |                | Packaging Material, Lead       | 0.00       |       |   |                                      |                       |                                     |
|                   |                | Packaging Material, Steel Plug | 0.00       |       |   |                                      |                       |                                     |

|                     |                   |               |               | Waste V       | olume Det     | tail (Cubic m | eters) for TWBIR ID : WV-T017 |                   |               |               |               |               |       |
|---------------------|-------------------|---------------|---------------|---------------|---------------|---------------|-------------------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen            | erated Vo     | lumes         |               |               |               | Final Form Volumes            |                   |               |               |               |               |       |
| Stored Projected    |                   |               |               |               |               |               | Stored                        |                   | Proje         |               |               |               |       |
| ContainerType       | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total         | ContainerType                 | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| 80 cubic foot HIC   | 2.3               | 0.0           | 0.0           | 0.0           | 0.0           | 2.3           | 55 Gallon Drum                | 2.5               | 0.0           | 0.0           | 0.0           | 0.0           | 2.5   |
| As-Generated Stored | 2.3               | Projecto      | ed            | 0.0           | Total         | 2.3           | Final Form Stored             | 2.5               | Projecte      | ed            | 0.0           | Total         | 2.5   |

TWBIR ID: WV-T017

| 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. |
|-----------------------------------|---|
| Waste Stream Source Description   | Spent filter media generated from normal site activities.   |
| <b>Current Container Comments</b> | N/A   |
| EPA Comments                      | N/A   |
| Management Comments               | HIC-A   |
| Acceptance Comments               | * Pending Defense Determination 1, 80 cubic foot High Integrity Container   |
| Final Form Comments               | HIC filter media will be repackaged into 55-gallon drums at a later date.   |

TWBIR ID: WV-T018

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

0.00

0.00

0.00

### N/A RH Stream Name Head End Cell Debris Inventory Date 9/30/2002 Handling HQ ID N/A **Generator Site** Local ID Waste Type TRU WV Final Waste Form Heterogeneous Debris **Waste Matrix Code** N/A **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste\* Upper NA As-Generated **Material Parameter** Average Lower N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 1.00 0.00 0.00 PCBs: No Other Inorganic Materials 0.00 0.00 0.00 Source: Remediation/D&D Waste 0.00 0.00 Cellulosics 0.00 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 0.00 0.00 0.00 Solidified, Inorganic Matrix Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00

|                                 |                   |               |               | Waste V       | olume De      | tail (Cubic n | neters) for TWBIR ID : WV-T018 | , |
|---------------------------------|-------------------|---------------|---------------|---------------|---------------|---------------|--------------------------------|---|
|                                 | As-Gene           | erated Vo     | lumes         |               |               |               |                                |   |
|                                 | Stored            |               | Proje         | ected         |               |               |                                | Ī |
| ContainerType                   | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total         | ContainerType                  |   |
|                                 | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 0.0           | 55 Gallon Drum                 | T |
| Box / 344ft3                    | 19.5              | 0.0           | 0.0           | 0.0           | 0.0           | 19.5          | Final Form Stored              | T |
| Box / Misc.                     | 146.9             | 0.0           | 0.0           | 0.0           | 0.0           | 158.2         | Final Form Stored              | L |
| Drum / 55 gallon with 30 gallon | 5.0               | 0.0           | 0.0           | 0.0           | 0.0           | 30.6          |                                |   |
| As-Generated Stored             | 171.4             | Projecte      | ed            | 36.9          | Total         | 208.3         |                                |   |

Packaging Material, Plastic

Packaging Material, Lead

Packaging Material, Steel Plug

| Final Form Volumes     |                   |               |               |               |               |       |      |  |  |
|------------------------|-------------------|---------------|---------------|---------------|---------------|-------|------|--|--|
|                        |                   | Stored        |               |               |               |       |      |  |  |
| Container <sup>-</sup> | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |      |  |  |
| 55 Gallon Drum         | 54.1              | 0.0           | 0.0           | 0.0           | 0.0           | 79.7  |      |  |  |
| Final Form Stored      |                   | 54.1          | Projecte      | ed            | 25.6          | Total | 79.7 |  |  |

TWBIR ID: WV-T018

| 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.                      |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | The West Valley Demonstration project does not currently have RH canisters. The assumption is that this waste stream will be repackaged into RH-TRU canisters at a later date.   |
| EPA Comments                      | N/A  |
| Management Comments               | SP-138, SP-144, HEC-021, HEC-022, HEC-023, HEC-024, HEC-027, HEC-028, HEC-029, HEC-030, HEC-031, HEC-034, HEC-035, HEC-039, HEC-041, various others.   |
| Acceptance Comments               | * Pending Defense Determination 19.5 M3 will need to be repackaged. The West Valley Demonstration Project does not currently have RH canisters. The assumption is that this waste stream will be repackaged into RH-TRU canisters at a later date. |
| Final Form Comments               | N/A  |

TWBIR ID: WV-T019

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

### N/A RH Stream Name FRS Pool Filters Inventory Date 9/30/2002 HQ ID Handling N/A TRU WV S5410 Local ID Waste Type **Generator Site** Final Waste Form Filter **Waste Matrix Code EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste\* **As-Generated Material Parameter** Average Lower Upper N/A N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 0.00 0.00 0.00 PCBs: No Other Inorganic Materials 1.00 0.00 0.00 Source: Remediation/D&D Waste 0.00 0.00 Cellulosics 0.00 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 Solidified, Inorganic Matrix 0.00 0.00 0.00 Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 0.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                        |        |                   |               |               | Waste V       | olume Det     | tail (Cubic m | eters) for TWBIR ID : | WV-T019 |                   |               |               |               |               |       |
|------------------------|--------|-------------------|---------------|---------------|---------------|---------------|---------------|-----------------------|---------|-------------------|---------------|---------------|---------------|---------------|-------|
|                        |        | As-Gen            | erated Vo     | lumes         |               |               |               | Final Form Volumes    |         |                   |               |               |               |               |       |
| Stored                 |        |                   |               | Projected     |               |               |               |                       | Stored  |                   |               | Proje         | ected         |               |       |
| ContainerTy            | ре     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total         | ContainerTyp          | oe .    | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Box / 90 cubic ft. Was | ste    | 0.0               | 6.1           | 9.2           | 0.0           | 0.0           | 15.3          | 55 Gallon Drum        |         | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 20.6  |
| As-Generated           | Stored | 0.0               | Projecte      | ed            | 15.3          | Total         | 15.3          | Final Form            | Stored  | 0.0               | Projecte      | ed            | 20.6          | Total         | 20.6  |

TWBIR ID: WV-T019

| Waste Stream Description          | This waste stream consists of cartridge filters stored in sheild boxes    |
|-----------------------------------|---|
| Waste Stream Source Description   | N/A   |
| <b>Current Container Comments</b> | Filters will be repackaged and stored in 55-gallon drums at a later date. |
| EPA Comments                      | N/A   |
| Management Comments               | N/A   |
| Acceptance Comments               | * Pending Defense Determination   |
| Final Form Comments               | N/A   |

TWBIR ID: WV-T020

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID N/A    | Handling CH Stream             | Name PPC/   | XC2 PPE | and DAW    |                               |              | Inventory Date 9/30/200 |
|--------------|--------------------------------|-------------|---------|------------|-------------------------------|--------------|-------------------------|
| Local ID N/A | Waste Type TRU Generate        | or Site WV  | / Fina  | al Waste F | Form N/A                      |              | Waste Matrix Code N/A   |
| EPA Codes    | Waste Material Para            | meters (kg/ | /m3)    |            | Final Waste Form Descriptors  | TRUCON Codes | No Final Form           |
| As-Generated | Material Parameter             | Average     | Lower   | Upper      | Category: Defense TRU Waste*  | N/A          | Radionuclides Provided  |
| N/A          | Iron-Base Metal/Alloys         | 0.00        | 0.00    | 0.00       | Residues: No                  | <u> </u>     |                         |
|              | Aluminum-Base Metal/Alloys     | 0.00        | 0.00    | 0.00       |                               | ╡            |                         |
|              | Other Metal/Alloys             | 0.00        | 0.00    | 0.00       | Asbestos: No                  | <b>⊣</b>     |                         |
|              | Other Inorganic Materials      | 1.00        | 0.00    | 0.00       | PCBs: No                      |              |                         |
|              | Cellulosics                    | 0.00        | 0.00    | 0.00       | Source: Remediation/D&D Waste |              |                         |
|              | Rubber                         | 0.00        | 0.00    | 0.00       |                               | <del>_</del> |                         |
|              | Plastics                       | 0.00        | 0.00    | 0.00       |                               |              |                         |
|              | Solidified, Inorganic Matrix   | 0.00        | 0.00    | 0.00       |                               |              |                         |
|              | Cement (Solidified)            | 0.00        | 0.00    | 0.00       |                               |              |                         |
|              | Vitrified                      | 0.00        | 0.00    | 0.00       |                               |              |                         |
|              | Solidified, Organic Matrix     | 0.00        | 0.00    | 0.00       |                               |              |                         |
|              | Soils                          | 0.00        | 0.00    | 0.00       |                               |              |                         |
|              | Packaging Material, Steel      | 131.00      |         |            |                               |              |                         |
|              | Packaging Material, Plastic    | 0.00        |         |            |                               |              |                         |
|              | Packaging Material, Lead       | 0.00        |         |            |                               |              |                         |
|              | Packaging Material, Steel Plug | 0.00        |         |            |                               |              |                         |

|                      | Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T020 |               |               |               |               |       |                    |                   |               |               |               |               |       |
|----------------------|---|---------------|---------------|---------------|---------------|-------|--------------------|-------------------|---------------|---------------|---------------|---------------|-------|
| As-Generated Volumes |   |               |               |               |               |       | Final Form Volumes |                   |               |               |               |               |       |
| Stored               |   |               | Proje         | ected         |               |       |                    | Stored            | Stored        |               | ected         |               |       |
| ContainerType        | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total | ContainerType      | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon     | 0.0   | 90.7          | 181.4         | 0.0           | 0.0           | 226.7 | 55 Gallon Drum     | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 226.7 |
| As-Generated Stored  | 0.0   | Projecte      | d             | 226.7         | Total         | 226.7 | Final Form Store   | <b>ed</b> 0.0     | Projecte      | ed            | 226.7         | Total         | 226.7 |

TWBIR ID: WV-T020

| Waste Stream Description          | This waste stream consists of PPE, piping, vessels, hoses, and other DAW.  |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | Waste will be generated beginning in FY03. Waste will be packaged into 55-gallon drums or repackaged into 55-gallon drums at a later date. |
| EPA Comments                      | N/A  |
| Management Comments               | N/A  |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | N/A  |

## TWBIR ID: WV-T021 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

N/A CH Stream Name RHWF Process Inventory Date 9/30/2002 HQ ID Handling N/A TRU WV Local ID Waste Type **Generator Site** Final Waste Form Heterogeneous Debris **Waste Matrix Code** S5000 **EPA Codes** Waste Material Parameters (kg/m3) **Final Waste Form Descriptors TRUCON Codes** No Final Form **Radionuclides Provided** Category: Defense TRU Waste\* **As-Generated Material Parameter** Average Lower Upper N/A N/A Iron-Base Metal/Alloys 0.00 0.00 0.00 Residues: No Aluminum-Base Metal/Alloys 0.00 0.00 0.00 Asbestos: No Other Metal/Alloys 10.00 0.00 0.00 PCBs: No Other Inorganic Materials 10.00 0.00 0.00 Source: Remediation/D&D Waste 0.00 0.00 Cellulosics 0.00 0.00 0.00 0.00 Rubber **Plastics** 0.00 0.00 0.00 0.00 0.00 0.00 Solidified, Inorganic Matrix Cement (Solidified) 0.00 0.00 0.00 0.00 0.00 0.00 Vitrified Solidified, Organic Matrix 0.00 0.00 0.00 Soils 0.00 0.00 0.00 Packaging Material, Steel 131.00 Packaging Material, Plastic 0.00 Packaging Material, Lead 0.00 Packaging Material, Steel Plug 0.00

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T021 |                    |               |               |               |        |                   |                   |               |               |               |               |       |
|---------------------|---|--------------------|---------------|---------------|---------------|--------|-------------------|-------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Gen  | Final Form Volumes |               |               |               |        |                   |                   |               |               |               |               |       |
| Stored Projected    |   |                    |               |               |               | Stored |                   | Proje             | ected         |               |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006      | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  | ContainerType     | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Drum / 55 gallon    | 0.0   | 32.3               | 48.4          | 0.0           | 0.0           | 80.7   | 55 Gallon Drum    | 0.0               | 0.0           | 0.0           | 0.0           | 0.0           | 80.7  |
| As-Generated Stored | 0.0   | Projecte           | ed            | 80.7          | Total         | 80.7   | Final Form Stored | 0.0               | Projecto      | ed            | 80.7          | Total         | 80.7  |

TWBIR ID: WV-T021

| Waste Stream Description          | This waste consists of misc. metals, filters and plastics. |
|-----------------------------------|--|
| Waste Stream Source Description   | N/A  |
| <b>Current Container Comments</b> | CH TRU will be repackaged into 55 gallon drums.            |
| EPA Comments                      | N/A  |
| Management Comments               | N/A  |
| Acceptance Comments               | * Pending Defense Determination                            |
| Final Form Comments               | N/A  |

### Annex I TWBIR ID: WV-W024 TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID WV-W024    |                                | Name TRU   |               |            |                                   |          | Inventory Date 9/30/2002 |               |  |  |
|------------------|--------------------------------|------------|---------------|------------|-----------------------------------|----------|--------------------------|---------------|--|--|
| Local ID NA      | Waste Type MTRU Generate       | or Site W∖ | / Fin         | al Waste F | Form Lead/Cadmium Metal           |          | Waste Matrix Code S5112  |               |  |  |
| <b>EPA Codes</b> | Waste Material Para            | Final Form | Radionuclides |            |                                   |          |                          |               |  |  |
| As-Generated     | Material Parameter             | Average    | Lower         | Upper      | Category: Defense TRU Waste*      | N/A      |                          | Typical       |  |  |
| D008             | Iron-Base Metal/Alloys         | 0.00       | 0.00          | 0.00       | Residues: No                      |          | lostens                  | Concentration |  |  |
|                  | Aluminum-Base Metal/Alloys     | 0.00       | 0.00          | 0.00       | Asbestos: No                      | <u> </u> | Isotope                  | (Ci/m3)       |  |  |
|                  | Other Metal/Alloys             | 0.00       | 0.00          | 0.00       |                                   | <u> </u> | Am-241                   |               |  |  |
|                  | Other Inorganic Materials      | 0.00       | 0.00          | 0.00       | PCBs: No                          | <u> </u> | Ba-137m                  |               |  |  |
|                  | Cellulosics                    |            | 0.00          | 0.00       | Source: Discarding Excess/Expired |          | Cs-137                   |               |  |  |
|                  | Rubber                         | 0.00       | 0.00          | 0.00       | Materials                         |          | Pu                       |               |  |  |
|                  | Plastics                       | 0.00       | 0.00          | 0.00       |                                   |          | Sr-90                    |               |  |  |
|                  | Solidified, Inorganic Matrix   | 0.00       | 0.00          | 0.00       |                                   |          | U                        |               |  |  |
|                  | Cement (Solidified)            | 0.00       | 0.00          | 0.00       |                                   |          | Y-90                     |               |  |  |
|                  | Vitrified                      | 0.00       | 0.00          | 0.00       |                                   |          |                          |               |  |  |
|                  | Solidified, Organic Matrix     | 0.00       | 0.00          | 0.00       |                                   |          |                          |               |  |  |
|                  | Soils                          | 0.00       | 0.00          | 0.00       |                                   |          |                          |               |  |  |
|                  | Packaging Material, Steel      | 131.00     |               |            |                                   |          |                          |               |  |  |
|                  | Packaging Material, Plastic    | 37.00      |               |            |                                   |          |                          |               |  |  |
|                  | Packaging Material, Lead       | 0.00       |               |            |                                   |          |                          |               |  |  |
|                  | Packaging Material, Steel Plug | 0.00       |               |            |                                   |          |                          |               |  |  |

|                          |                      |               |               | Waste Vo      | olume Det     | ail (Cubic m | neters) for TWBIR ID : WV-W |  |  |  |  |  |  |
|--------------------------|----------------------|---------------|---------------|---------------|---------------|--------------|-----------------------------|--|--|--|--|--|--|
|                          | As-Generated Volumes |               |               |               |               |              |                             |  |  |  |  |  |  |
|                          | Stored               |               | Proje         | ected         |               |              |                             |  |  |  |  |  |  |
| ContainerType            | End of<br>CY 2001    | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total        | ContainerType               |  |  |  |  |  |  |
| 55-GALLON DRUM           | 1.7                  | 0.0           | 0.0           | 0.0           | 0.0           | 1.7          | 55 Gallon Drum              |  |  |  |  |  |  |
| BOX / 444 cubic ft       | 12.6                 | 0.0           | 0.0           | 0.0           | 0.0           | 12.6         | Final Form Store            |  |  |  |  |  |  |
| Box / 90 cubic ft. Waste | 5.1                  | 0.0           | 0.0           | 0.0           | 0.0           | 5.1          | Final Form Store            |  |  |  |  |  |  |
| As-Ganaratad Store       | d 10.3               | Projecte      | -d            | 0.0           | Total         | 10.3         |                             |  |  |  |  |  |  |

| е | ters) for TWBIR ID: WV-W024 |                   |               |               |               |               |       |  |  |  |  |  |
|---|-----------------------------|-------------------|---------------|---------------|---------------|---------------|-------|--|--|--|--|--|
|   | Final Form Volumes          |                   |               |               |               |               |       |  |  |  |  |  |
|   |                             | Stored            |               | Projected     |               |               |       |  |  |  |  |  |
|   | ContainerType               | End of<br>CY 2001 | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |  |  |  |  |  |
|   | 55 Gallon Drum              | 19.3              | 0.0           | 0.0           | 0.0           | 0.0           | 19.3  |  |  |  |  |  |
|   | Final Form Stored           | 19.3              | Project       | ed            | 0.0           | Total         | 19.3  |  |  |  |  |  |

19.3 Projected As-Generated

V024

TWBIR ID: WV-W024

| 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. |
|-----------------------------------|--|
| Waste Stream Source Description   | This waste stream consists of lead as specified in section 3.1. This waste was previously used as shielding in radiologically contaminated areas and was identified as excess material.  |
| <b>Current Container Comments</b> | Currently stored in 55-gallon drums.   |
| EPA Comments                      | The high confidence level for regulated contaminant characteristics data is based on the process knowledge (i.e., content descriptions) that lead is present in these containers. The specific amount of elemental lead present in these containers is not available at this time.   |
| Management Comments               | WVNS Container ID #s for this waste stream are: TC-135D, TC-136, TC-193, TD-1070, TD-1168, TD-1228, TD-1232, TD-1259, TD-1282, TD-1316, TD-1361.   |
| Acceptance Comments               | * Pending Defense Determination  |
| Final Form Comments               | following decontamination of the lead as a pretreatment step, it is anticipated that this waste stream will no longer be classified as transuranic waste and there will be no TRU disposal required.   |

# TWBIR ID: WV-Z001 Annex I TRU WASTE BASELINE INVENTORY WASTE PROFILE

| HQ ID<br>Local ID | WV-Z001<br>N/A                  |                               | Name Wes        | -    | ried TRU \ |                              |              | Inventory Date 9/30/200 Waste Matrix Code N/A |
|-------------------|---------------------------------|-------------------------------|-----------------|------|------------|------------------------------|--------------|---|
| EP                | A Codes                         | Waste Material Para           | meters (kg      | /m3) |            | Final Waste Form Descriptors | TRUCON Codes | No Final Form                                 |
| As-0              | As-Generated Material Parameter |                               | Average Lower U |      | Upper      | Category: Defense TRU Waste* | N/A          | Radionuclides Provided                        |
|                   | N/A                             | Iron-Base Metal/Alloys        | 0.00            | 0.00 | 0.00       | Residues: N/A                | <u> </u>     |   |
|                   |                                 | Aluminum-Base Metal/Alloys    | 0.00            | 0.00 | 0.00       |                              | =            |   |
|                   |                                 | Other Metal/Alloys            | 0.00            | 0.00 | 0.00       | Asbestos: N/A                | <b>⊒</b>     |   |
|                   |                                 | Other Inorganic Materials     | 0.00            | 0.00 | 0.00       | PCBs: N/A                    |              |   |
|                   |                                 | Cellulosics                   | 0.00            | 0.00 | 0.00       | Source: N/A                  |              |   |
|                   |                                 | Rubber                        | 0.00            | 0.00 | 0.00       |                              | <del></del>  |   |
|                   |                                 | Plastics                      | 0.00            | 0.00 | 0.00       |                              |              |   |
|                   |                                 | Solidified, Inorganic Matrix  | 0.00            | 0.00 | 0.00       |                              |              |   |
|                   |                                 | Cement (Solidified)           | 0.00            | 0.00 | 0.00       |                              |              |   |
|                   |                                 | Vitrified                     | 0.00            | 0.00 | 0.00       |                              |              |   |
|                   |                                 | Solidified, Organic Matrix    | 0.00            | 0.00 | 0.00       |                              |              |   |
|                   |                                 | Soils                         | 0.00            | 0.00 | 0.00       |                              |              |   |
|                   |                                 | Packaging Material, Steel     | 0.00            |      |            |                              |              |   |
|                   |                                 | Packaging Material, Plastic   | 0.00            |      |            |                              |              |   |
|                   |                                 | Packaging Material, Lead      | 0.00            |      |            |                              |              |   |
|                   |                                 | Packaging Material Steel Plug | 0.00            |      |            |                              |              |   |

|                     | Waste Volume Detail (Cubic meters) for TWBIR ID : WV-Z001 |               |               |               |               |        |                   |                    |               |               |               |               |       |
|---------------------|---|---------------|---------------|---------------|---------------|--------|-------------------|--------------------|---------------|---------------|---------------|---------------|-------|
|                     | As-Generated Volumes                                      |               |               |               |               |        |                   | Final Form Volumes |               |               |               |               |       |
| Stored Projected    |   |               |               |               |               | Stored |                   | Proje              | ected         |               |               |               |       |
| ContainerType       | End of<br>CY 2001   | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total  | ContainerType     | End of<br>CY 2001  | 2002-<br>2006 | 2007-<br>2016 | 2017-<br>2026 | 2027-<br>2036 | Total |
| Not contained       | 1353.0  | 0.0           | 0.0           | 0.0           | 0.0           | 1353.0 |                   | 0.0                | 0.0           | 0.0           | 0.0           | 0.0           | 0.0   |
| As-Generated Stored | 1353.0  | Projecte      | ed            | 0.0           | Total         | 1353.0 | Final Form Stored | 0.0                | Projecte      | ed            | 0.0           | Total         | 0.0   |

TWBIR ID: WV-Z001

| Waste Stream Description          | N/A                            |
|-----------------------------------|--------------------------------|
| Waste Stream Source Description   | N/A                            |
| <b>Current Container Comments</b> | N/A                            |
| EPA Comments                      | N/A                            |
| Management Comments               | N/A                            |
| Acceptance Comments               | * Defense Determination Needed |
| Final Form Comments               | N/A                            |