



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

COPY

OCT 26 1999

OFFICE OF
AIR AND RADIATION

George Basabilvazo
Carlsbad Area Office
U.S. Department of Energy
P.O. Box 3090
Carlsbad, NM 88221-3090

Dear Mr. Basabilvazo:

Enclosed is the Environmental Protection Agency's (EPA) inspection report for EPA Inspection No. EPA-WIPP-9.99-21 of the Waste Isolation Pilot Plant's (WIPP) transuranic waste emplacement activities. EPA inspected the WIPP on September 8, 1999. This report is issued in accordance with EPA's regulations at 40 CFR 194.21. EPA has determined that waste emplacement is being conducted consistent with the Compliance Certification Application, as approved by EPA in our certification decision of May 18, 1998. We identified one minor concern that does not require a response from the DOE Carlsbad Area Office.

If you have any questions regarding the enclosed report, please call Scott Monroe at (202) 564-9712.

Sincerely,

Michael Boyd for
Frank Marcinowski, Acting Director
Radiation Protection Division

Enclosure

UNIQUE #	DOE UFC	DATE REC'VD	ADDRESSEES
9905100	5486.00	NOV 04 1999	G. Basabilvazo CZUNAR

DOCKET NO: A-98-49, Item II-B1-1

REPORT

**EPA INSPECTION No. EPA-WIPP-9.99-21
OF THE
WASTE ISOLATION PILOT PLANT,
SEPTEMBER 8, 1999**

**U. S. ENVIRONMENTAL PROTECTION AGENCY
Office of Radiation and Indoor Air
Center for the Waste Isolation Pilot Plant
401 M. Street, S. W.
Washington, DC 20460**

OCTOBER 1999

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1.0 EXECUTIVE SUMMARY

In accordance with 40 CFR 194.21, the U.S. Environmental Protection Agency (EPA or the Agency), Office of Radiation and Indoor Air, conducted an inspection of the U.S. Department of Energy's (DOE) Waste Isolation Pilot Plant (WIPP) near Carlsbad, NM, on September 8, 1999. The WIPP is a potential disposal system for defense-related transuranic (TRU) waste as defined by the WIPP Land Withdrawal Act.¹ EPA certified that the WIPP complies with the Agency's radioactive waste disposal regulations (Subparts B and C of 40 CFR Part 191) on May 18, 1998.

Three DOE transuranic waste sites have shipped waste to the WIPP for disposal. These sites are: Los Alamos National Laboratory (LANL) in New Mexico, Rocky Flats Environmental Technology Site (RFETS) in Colorado, and Idaho National Engineering and Environmental Laboratory (INEEL). The first shipment was received by the facility in March 1999.

EPA inspected the WIPP to verify that waste is being emplaced in the underground facility in the manner specified in DOE's Compliance Certification Application (CCA) for the WIPP (EPA Air Docket A-93-02, Item II-G-01, and associated documents). The inspection also verified the proper emplacement of backfill material (magnesium oxide) with the waste packages. EPA found that waste is being emplaced in accordance with commitments made in the CCA. The inspector identified one isolated, minor concern that does not require a response.

2.0 INSPECTION PURPOSE AND SCOPE

The purpose of this inspection was to determine whether wastes sent to the WIPP since it opened in March 1999 have been emplaced in the underground facility in the manner specified in DOE's Compliance Certification Application for the WIPP. EPA performed the inspection under authority of 40 CFR 194.21, which authorizes the Agency to inspect the WIPP during its operational period to verify continued compliance with EPA's WIPP Compliance Criteria and the certification decision of May 18, 1998. Emplacement of waste, and backfill in particular, are relevant to compliance because the emplacement method supports models that DOE used in the WIPP performance assessment to understand the potential for transport of radionuclides out of the mined rooms. The WIPP site is operated by Westinghouse Waste Isolation Division (WID) under contract to DOE. The majority of waste related activities onsite are described by or controlled through WID procedures. Figure A, provided by CAO, shows the general flow down of requirements from regulations and program plans to WID implementing procedures. A list of all WID procedures examined for this inspection is provided in Table A.

¹WIPP Land Withdrawal Act, Public Law 102-579, Section 2(18), as amended by the 1996 WIPP LWA Amendments, Public Law 104-201.

The activities within the scope of this inspection included:

- demonstration of the site's ability to receive, process, and emplace TRU wastes within the repository
- the use of magnesium oxide (MgO) backfill in appropriate amounts to fulfill CCA commitments
- maintenance of relevant waste packaging records, including the electronic WIPP Waste Information System (WWIS).

The inspector observed wastes that had been emplaced in the repository and reviewed records documenting that waste emplacement was conducted in accordance with procedures. To date, the wastes received at the repository are contact-handled (CH) transuranic wastes from LANL, RFETS and INEEL. These wastes are in one of two configurations: Standard Waste Boxes (SWBs) and 55-gallon (208 liter) drums assembled in groups of seven, called a Seven Pack. Both the SWB and Seven Pack have the same "footprint"—that is, they occupy equivalent floor space—and can be stacked in vertical columns as described in this report. There are other waste configurations allowable at WIPP, but they have not been employed to date and are not addressed in this report. A list of wastes emplaced in the repository as of the date of this inspection is provided in Attachment A.

Table A
Listing of WID Procedures Examined During Inspection

- *WID Quality Assurance Program Description*, Waste Isolation Pilot Plant Procedure WP 13-1, Revision 16; Effective Date April 24, 1996
 - *Specification for Repackaged MgO Backfill*, Waste Isolation Pilot Plant Procedure D-0101, Revision 1, ECO Number 8852; Effective Date December 18, 1997
 - *CH Waste Processing*, Technical Procedure WP 05-WH1011, Revision 6; Effective Date August 4, 1999
 - *WIPP Waste Information System Program*, Waste Isolation Pilot Plant Procedure WP-05-WA.02, Revision 1; Effective Date July 27, 1999
 - *WIPP TRU Waste Data Management Plan*, Waste Isolation Pilot Plant Procedure WP-05-WA.01, Revision 0; Effective Date February 28, 1997
 - *TRUPACT-II Receipt*, Waste Isolation Pilot Plant Procedure WP-06-HM1020, Revision 4; Effective Date June 7, 1999
 - *Waste Stream Profile Form Review and Approval Program*, Waste Isolation Pilot Plant Procedure WP-05-WA.03, Revision 1; Effective Date June 28, 1999
-

3.0 PERFORMANCE OF THE INSPECTION

The EPA Inspector was Mr. Patrick Kelly, an EPA technical support contractor. Mr. George Basabilvazo, the CAO Compliance Team Leader, was the chief DOE contact for the inspection. A list of all inspection participants is provided in Table B.

**Table B
Inspection Participants**

INSPECTION TEAM MEMBER	POSITION	AFFILIATION
Patrick Kelly	Inspector	EPA Support Contractor
CAO - WID PERSONNEL	POSITION	AFFILIATION
George T. Basabilvazo	CAO Compliance Team Leader	DOE/CAO
Bob Billet	Waste Operations Manager	Westinghouse WID-Operations
Mark Polley	CH Waste Handling Manager	Westinghouse WID-Operations
Jim Ankrom	CH Waste Handling Manager	Westinghouse WID-Operations
Richard Farrell	Radiation Safety Manager	DOE/CAO
Ken Mikus	ES&H Nuclear Compliance Manager	Westinghouse WID-Operations

The inspection took place on September 8, 1999, at the WIPP facility, which is located approximately 30 miles south east of Carlsbad, NM. The opening meeting with CAO and WID personnel was held in the Waste Handling Building and included a briefing regarding the processing of wastes upon arrival at WIPP. The EPA inspector examined records for several waste shipments and interviewed WID personnel about the shipments.

The EPA Inspector then accompanied CAO and WID personnel into the underground repository, in order to view waste packages that had been emplaced. The EPA Inspector selected several containers and noted their numbers; the records for these containers were examined later. WID personnel explained how waste packages are handed and placed and answered questions from the EPA Inspector. The inspection continued in the afternoon with an examination of records and interviews of WID personnel in charge of the WIPP Waste Information System (WWIS), which took place in trailers located onsite. The CAO representative was present for most of the day's activities. A closeout meeting was held at the end of the day.

3.1 WASTE EMPLACEMENT/WWIS

The repository is subdivided into panels, each panel consisting of seven (7) rooms. Room 7, where wastes have been emplaced, is shaped like the letter U, and is divided into three (3) disposal cells, S1950, Main Room and S1600. Wastes have been emplaced only in Disposal Cell S1600, the furthest accessible room.²

Wastes are stacked in columns (also called waste stacks) 3 high in any combination of SWBs and Seven Packs, both having the same "footprint." The inspector did not observe any 85 gallon drum assemblies or Ten Drum Over Packs (TDOPs), both of which have specific requirements regarding their placement in a column.³ There is no particular order in which SWBs and Seven Packs are stacked; wastes are emplaced as received. A series of 3 columns (9 SWB or Seven Packs total) spans the distance of the disposal cell from left to right with ample space between columns. Space between the repository wall and the waste column is left open at alternating ends, as represented in Table C below. This space is used for magnesium oxide (MgO) placement, resulting in the placement of MgO at alternating ends of each column from left to right. A second row of 3 columns is emplaced parallel to the first, but each column is staggered such that it is located between two columns from the previous row; these two left-to-right rows of three columns each (6 columns or 18 SWBs/Seven Packs) are designated a row and numbered, as shown in Table in C below. This results in each waste Seven Pack or SWB having a unique identifier that indicates its location underground according to the row, the column and the position within the column (see Attachment B). MgO was observed in various locations around the waste stacks, as described below.

Table C
Schematic of Waste Emplacement in Columns

Column 1		Column 3		Column 5		Combination of 2 Left-Right
	Column 2		Column 4		Column 6	Columns Is a Row

The EPA Inspector randomly selected three waste containers emplaced in the repository, and WID personnel read their identification numbers directly off the drums or SWBs. The EPA Inspector was unable to read them directly because the area adjacent to the emplaced waste was posted as a Radiation Area and access was restricted. The containers selected are identified in Table D below. The records for one container—RFETS Seven Pack RFD 94496—were closely reviewed, and WID personnel were asked to produce the records of all pertinent milestones for the waste approval, shipment and receipt process, as outlined in WID procedure WP 05-WA.02.

² Procedure WP 05-WH1011 identifies the order of waste emplacement in the repository.

³ Due in part to their different footprint, TDOPs must be placed on the bottom of a column, and 85 gallon drum assemblies must be placed on the top level of each column.

Table D
Randomly Selected Waste Containers Examined During Inspection

<u>Site of Origin</u>	<u>Waste Container Identifier</u>	<u>Container Type</u>
LANL	SWB No. LA00000057824	Standard Waste Box
INEEL	IDRF 001214213	Seven Pack of 55 gallon drums
RFETS	RFD 94496	Seven Pack of 55 gallon drums

Some records were paper, while others were electronic, such as fields in the WIPP Waste Information System (WWIS) database. The WWIS is an on-line database system used to record, track, and document the range of activities required for shipping TRU wastes to WIPP. WID personnel stated that the reliance on electronic approvals instead of paper was deliberate and was designed to minimize the use of paper. WID Procedure WP 05-WA.02 did not specify the form of each module's approval, i.e., paper or electronic, and it was not clear what form a specific record would take. The EPA Inspector examined the following modules:

- Characterization Module, linked to the Waste Container Data Report
- Certification Module, linked to the Acceptance Report or Rejection Report
- Shipping Module, linked to the Shipment Summary Report
- Inventory Module, linked to the Nuclide Report and Waste Emplacement Report.

Mr. Ken Mikus produced either paper or electronic records of all modules requested, as well as at least one report for a waste container from each of the three source sites, i.e., LANL, RFETS, and INEEL (copies are included in Attachment C). All records were found to contain the required information. A sample summary of the milestones in the waste shipment process is provided in Table E. Site Certification Status reports showed how CAO certified each site; copies of the reports are included in Attachment D.

Table E
Waste Shipment Milestones for RFETS Wastes as Documented in Data Report RP0360

<u>Date</u>	<u>Specific Milestone</u>	<u>Appropriately Documented in Records?</u>
6-2-99	RFETS transmitted waste package to CAO	Yes
6-16-99	K. Hunter approved the Waste Stream Profile Form	Yes
8-19-99	Shipment certified by site for transport to WIPP	Yes
8-25-99	RFETS initiates shipment to WIPP	Yes
8-26-99	Shipment received at WIPP	Yes

3.2 MAGNESIUM OXIDE BACKFILL

Magnesium oxide (MgO) is used in the repository as backfill, as specified in DOE's Compliance Application (CCA). WID Procedure D-0101, *Specification for Prepackaged MgO Backfill*, contains specifications for the amount and specific placement of prepackaged MgO in 2 sizes (super sacks containing a minimum of 4,100 pounds and mini sacks containing a minimum of 27 pounds) for four waste configurations: 85 gallon Over Packs, Ten Drum Over Packs, Seven Packs, and Standard Waste Boxes. WID Technical Procedure WP 05-WH1011, *CH Waste Processing*, details a procedure for MgO placement and the means to document that MgO placement has been accomplished correctly (CH Waste Processing Data Sheet). The EPA Inspector observed that MgO had been placed properly in the three rows that were visible from outside the restricted access area. Completed rows have supersacks emplaced on all columns and have 11 mini sacks emplaced between the rib and end waste stacks. Records examined for the 3 waste shipments discussed earlier in this report indicated that MgO had been placed in compliance with Technical Procedure WP 05-WH1011.

4.0 SUMMARY OF RESULTS

The activities examined during the inspection were found to comply with WID procedures and with the description of waste and backfill emplacement provided in the CCA. No noncompliances or activities that had the potential to compromise waste isolation were observed.

The EPA inspector identified one minor concern. WID Procedures WP 05-WH1011 and WP 05-WA.02 stated that some actions (acceptance of data, completion of a checklist, etc.) would be documented, but did not specify whether the record would be paper or electronic. The procedures should specify the form that required records must take. The inspector did not observe any failures to produce documentation; therefore, this concern does not require a response from CAO.

Recommend changing both procedures to have specifications to document to both "hard" copy & electronic copy

Figure A

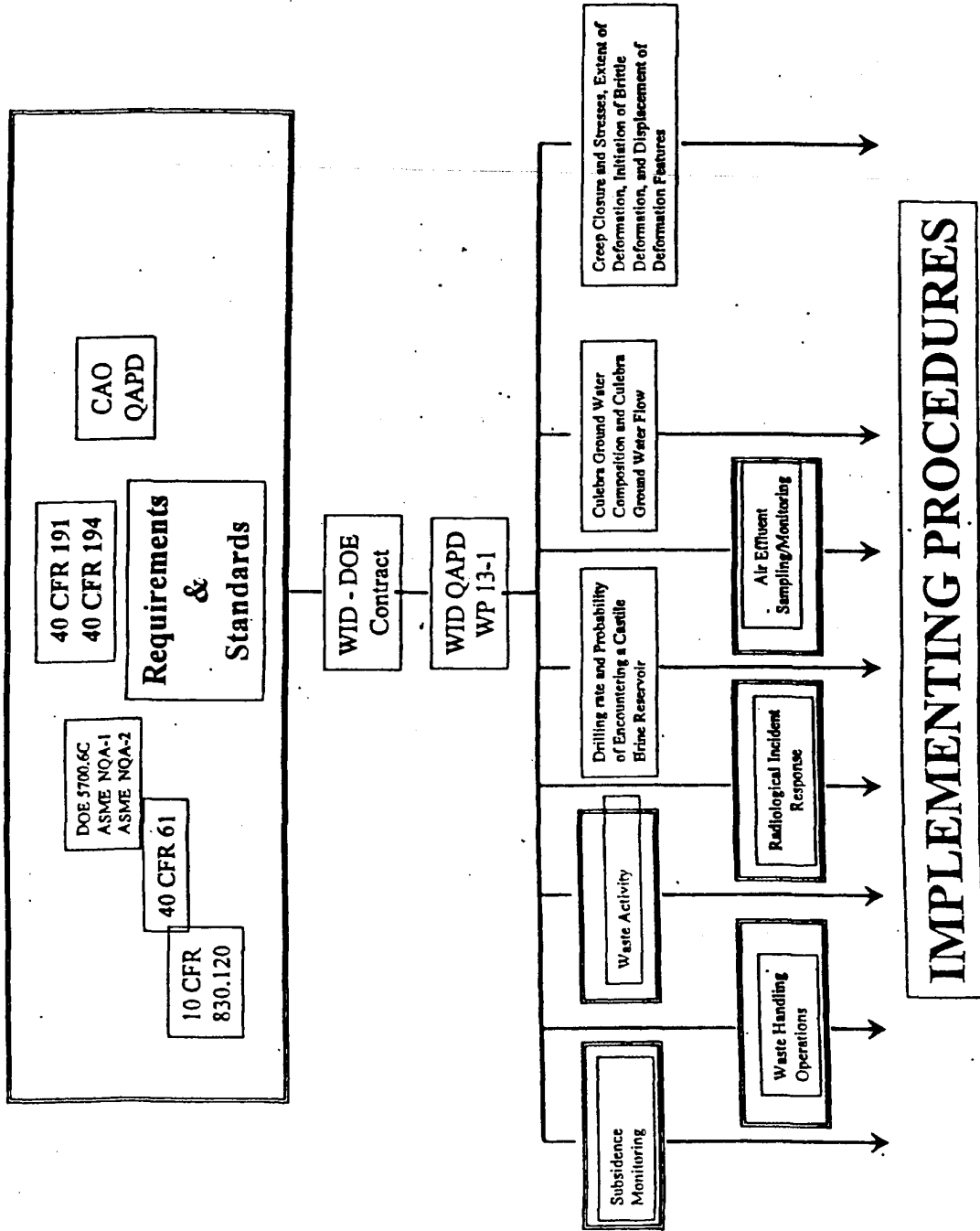
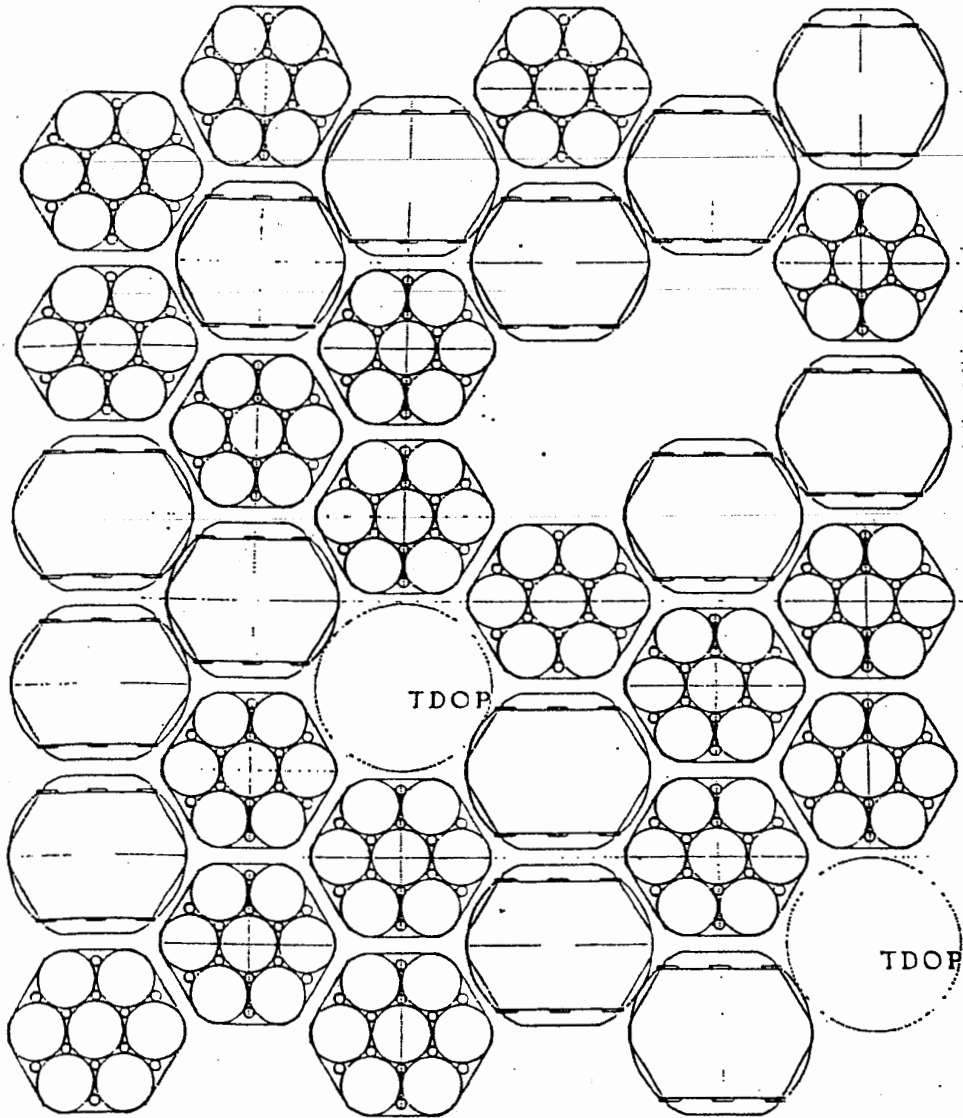


Figure B



Payload Assembly Positioning

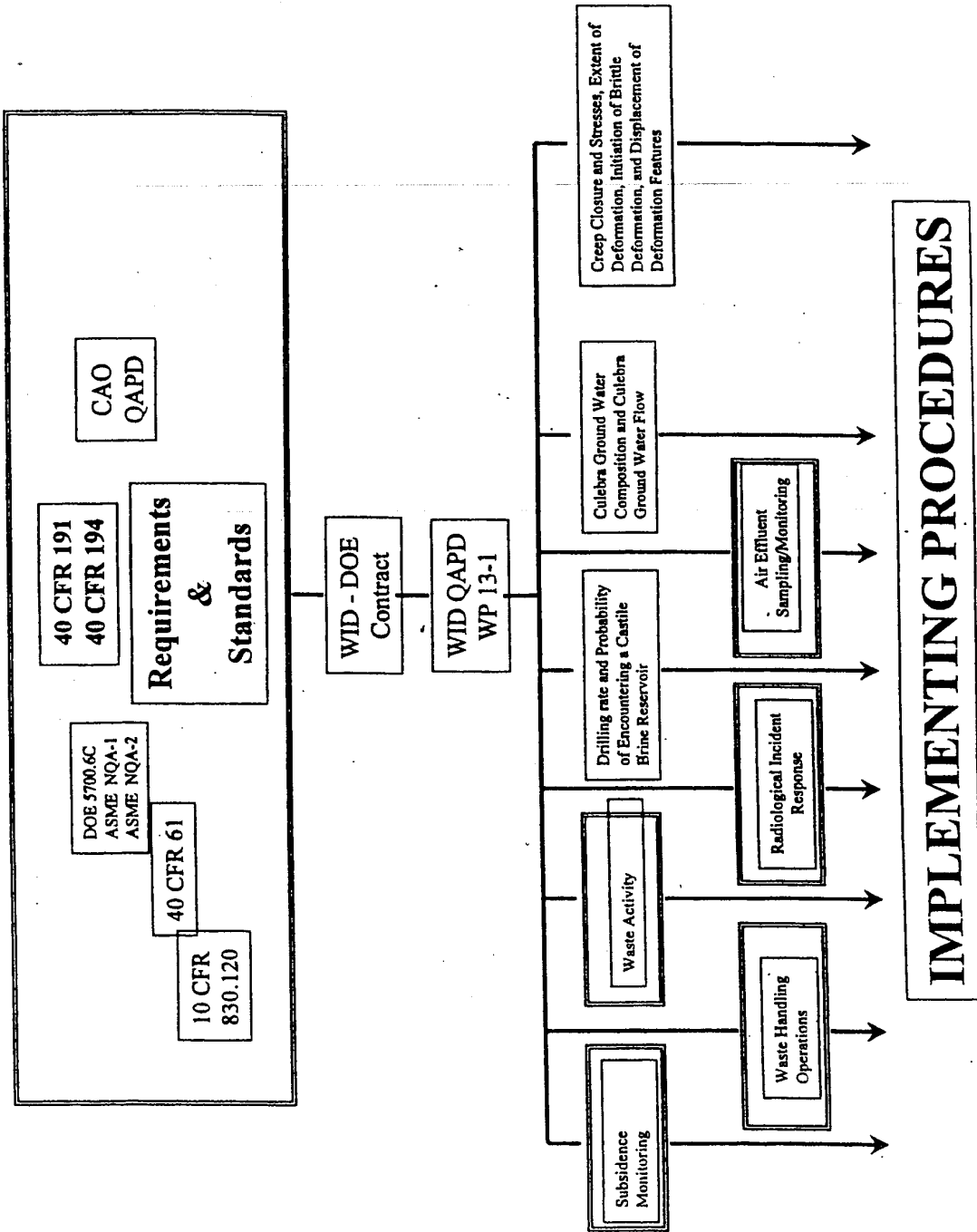
Attachment A
Listing of TRU Wastes Emplaced at WIPP As of September 8, 1999

TRU Waste Generator Site: Los Alamos National Laboratory
Waste Containers Shipped: Standard Waste Boxes (SWBs)
Number Shipped: 83 SWBs total

TRU Waste Generator Site: Idaho National Engineering and Environmental Laboratory
Waste Containers Shipped: 55 gallon (208 liter) drums in Seven Pack Configuration
Number Shipped: 70 drums total

TRU Waste Generator Site: Rocky Flats Environmental Technology Site
Waste Containers Shipped: 55 gallon (208 liter) drums in Seven Pack Configuration
55 gallon drums with Pipe Overpack Containers (POCs)
Number Shipped: 238 total - 26, 2 dunnage drums & 210 with POCs

Figure A



Attachment C

- Shipment Summary Report, LANL
- Shipment Summary Report, RFETS
- Shipment Summary Report, INEEL
- Waste Emplacement Report as of September 8, 1999
 - Waste Container Data Report, LANL
 - Waste Container Data Report, RFETS
- Valid Waste Stream Profiles: LANL, RFETS, INEEL

Shipment Summary Report

WIPP Waste Information System

Waste Isolation Pilot Plant

Page 2 of 3

Shipment/Manifest Number : LA00014
 Site : LA - LOS ALAMOS NATIONAL LABORATORY
 TRUPACT Number : 132
 Dose Rate 1m : 0
 Dose Rate 2m : 0
 Assembly : 14-132A

ICV Closure Date : 08/23/1999
 DOT Description : RQ, Radioactive Material, N.O.S.
 Certification Date : 08/12/1999
 Shipment Date : 08/26/1999
 Receipt Date : 08/26/1999

Assembly	Container Number	Total Dose Rate (mrem/hr)	Hazardous Codes	Radionuclides	Total Activity (TBq)	Weight (kg)
14-132A	LA00000057406	0	0	AM-241,AM-243,NP-237,PA-231,PU-238,PU-239,PU-240,PU-241,PU-242,TH-232,U-234	1.398E-01	392.3
14-132B	LA00000057820	0	0	AM-241,NP-237,PU-238,PU-239,PU-240,PU-241,PU-242,U-234	7.498E-02	386.8

TRUPACT : AM-241,AM-243,NP-237,PA-231,PU-238,PU-239,PU-240,PU-241,PU-242,TH-232,U-234

2.147E-01

779.1

Shipment/Manifest Number : LA00014
 Site : LA - LOS ALAMOS NATIONAL LABORATORY
 TRUPACT Number : 134
 Dose Rate 1m : 0
 Dose Rate 2m : 0
 Assembly : 14-134B

ICV Closure Date : 08/24/1999
 DOT Description : RQ, Radioactive Material, N.O.S.
 Certification Date : 08/12/1999
 Shipment Date : 08/26/1999
 Receipt Date : 08/26/1999

Assembly	Container Number	Total Dose Rate (mrem/hr)	Hazardous Codes	Radionuclides	Total Activity (TBq)	Weight (kg)
14-134B	LA00000057822	0	0	AM-241,AM-243,NP-237,PA-231,PU-238,PU-239,PU-240,PU-241,PU-242,TH-232,U-234	2.203E-01	380.5
				AM-241,AM-243,NP-237,PA-231,PU-238,PU-239,PU-240,PU-241,PU-242,TH-232,U-234	2.509E-01	379.1

Waste Isolation Pilot Plant
WWIS

Report RP0390 **Shipment Summary Report**
Filename
Run by ANKUSK
Report Date 04/18/99 13:54
Total Pages 4

Report Criteria

Module RP0390
Version 1.0
Shipment Number: RF990009

Shipment Summary Report

WIPP Waste Information System

Waste Isolation Pilot Plant

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Assembly	Container Number	Total Dose Rate (mrem/hr)	Hazardous Codes	Radionuclides	Total Activity(TBq)	Weight (kg)
RF990038	RFD94304	1		AM-241,NP-237,PU-238,PU-239,PU-240,PU-241,PU-242,U-235	1.345E+00	170.1
TRUPACT: AM-241,NP-237,PU-238,PU-239,PU-240,PU-241,PU-242,U-235						
TRUPACT: AM-241,NP-237,PU-238,PU-239,PU-240,PU-241,PU-242,U-235						
ICV Closure DOT						
TRUPACT Number : 139	Date : 06/24/1999	Description : RQ, RADIOACTIVE MATERIAL, FISSILE, N.O.S., 7, UN2918				
Dose Rate 1m : 0	Dose Rate 2m : 0	Dose Rate Surf : 1				
Assembly	Container Number	Total Dose Rate (mrem/hr)	Hazardous Codes	Radionuclides	Total Activity(TBq)	Weight (kg)
RF990039	RFD90722	1		AM-241,PU-238,PU-239,PU-240,PU-241,PU-242	1.468E+00	156.49
	RFD94941	2		AM-241,PU-238,PU-239,PU-240,PU-241,PU-242	1.582E+00	160.12
	RFD95622	1		AM-241,NP-237,PU-238,PU-239,PU-240,PU-241,PU-242,U-235	1.091E+00	157.85
	RFD95634	1		AM-241,PU-238,PU-239,PU-240,PU-241,PU-242,U-235	9.309E-01	158.76
	RFD95641	1		AM-241,PU-238,PU-239,PU-240,PU-241,PU-242	1.314E+00	158.76
	RFD96009	1		AM-241,PU-238,PU-239,PU-240,PU-241,PU-242	1.087E+00	158.76
	RFD96182	1		AM-241,NP-237,PU-238,PU-239,PU-240,PU-241,PU-242	1.155E+00	157.4
RF990040	RFD92233	1		AM-241,PU-238,PU-239,PU-240,PU-241,PU-242,U-235	1.028E+00	166.02
	RFD92637	1		AM-241,PU-238,PU-239,PU-240,PU-241,PU-242	1.415E+00	164.66
	RFD93951	1		AM-241,PU-238,PU-239,PU-240,PU-241,PU-242	1.701E+00	163.29
	RFD94496	1		AM-241,NP-237,PU-238,PU-239,PU-240,PU-241,PU-242	1.769E+00	163.29

Waste Isolation Pilot Plant
WWIS

Report RP0390 *Shipment Summary Report*
Filename *NAKUSA*
Run by *2009/10/03 15:43*
Report Date *4*
Total Pages

Report Criteria

Module RP0390
Version 1.0
Shipment Number: KN990802

IKRFO01214213

Shipment Summary Report

WIPP Waste Information System

Waste Isolation Pilot Plant

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Assembly	Container Number	Total Dose Rate (mrem/hr)	Hazardous Codes	Radionuclides	Total Activity(TBq)	Weight (kg)
IN990008	IDRF001214553	1		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	6.989E-02	111
TRUPACT : *AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/						
TRUPACT : *AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/						
ICV Closure DOT						
Description : RQ Radioactive Material NOS 7, UN 2918						
Number : 137	Date : 07/29/1999	Dose Rate 1m : 0	Dose Rate 2m : 0	Surf : 0		
Assembly	Container Number	Total Dose Rate (mrem/hr)	Hazardous Codes	Radionuclides	Total Activity(TBq)	Weight (kg)
IN990009	IDRF001209787	2		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	1.228E-01	104
	IDRF001209796	2		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	6.934E-02	101
	IDRF001209909	1		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	6.949E-02	98
	IDRF001209934	2		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	7.629E-02	104
	IDRF001209958	1		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	1.216E-01	104
	IDRF001209986	4		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	4.133E-02	106
	IDRF001211314	0		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	4.570E-02	94
IN990010	IDRF001208903	1		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	4.836E-02	117
	IDRF001208940	1		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	1.134E-01	111
	IDRF001209962	1		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	5.121E-02	106
	IDRF001210078	1		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	4.984E-02	107
	IDRF001212159	2		*AM-241,PU-238,PU-239,PU-240,PU-241,PU-242*/	1.265E-01	109

Waste Isolation Pilot Plant

WWIS

Report: RP0440 Waste Employment Report

Filename:

Run by: MURISK

Report Date: 09/08/1999 15:13

Total Pages: 14

Selection Criteria

Module RP0440

Version 1.0

Start Date 03/01/1999

End Date 09/08/1999

Container Number %

Site Id %

Panel %

Room %

Bore Hole %

Building %

Pad %

Waste Emplacement Report

WIPP Waste
Information System

Waste Isolation Pilot Plant

Panel	1	Room	7										
Container Number	Site Id	Shipment Number	Assembly Id	Emplacement Date	Process Code	Hazardous Codes	Matrix Code	Container Weight(Kg)	DNG				
LA0000057414	LA	LA00005	5-126B	05/10/1999	XO4		5000	400.4					
LA0000057415	LA	LA00007	7-139A	05/19/1999	XO4		5000	406.2					
LA0000057416	LA	LA00006	6-136B	05/10/1999	XO4		5000	395.3					
LA0000057418	LA	LA00008	8-132A	06/15/1999	XO4		5000	400.5					
LA0000057419	LA	LA00005	5-128A	05/19/1999	XO4		5000	392					
LA0000057420	LA	LA00007	7-128B	06/15/1999	XO4		5000	385.5					
LA0000057421	LA	LA00005	5-139B	05/10/1999	XO4		5000	379.6					
LA0000057422	LA	LA00005	5-128B	05/10/1999	XO4		5000	381					
LA0000057423	LA	LA00005	5-139A	05/19/1999	XO4		5000	381					
LA0000057424	LA	LA00007	7-139B	06/15/1999	XO4		5000	393.2					
LA0000057425	LA	LA00003	3-126B	04/26/1999	XO4		5000	391.8					
LA0000057426	LA	LA00004	4-132A	04/26/1999	XO4		5000	397.3					
LA0000057427	LA	LA00003	3-128B	04/26/1999	XO4		5000	419					
LA0000057428	LA	LA00006	6-137A	05/10/1999	XO4		5000	394.1					
LA0000057429	LA	LA00006	6-137B	05/10/1999	XO4		5000	393.7					
LA0000057430	LA	LA00008	8-137B	06/15/1999	XO4		5000	380.5					
LA0000057431	LA	LA00006	6-136A	05/10/1999	XO4		5000	395.5					
LA0000057432	LA	LA00007	7-134B	06/15/1999	XO4		5000	379.1					
LA0000057433	LA	LA00007	7-126A	06/15/1999	XO4		5000	388.2					
LA0000057434	LA	LA00008	8-137A	06/15/1999	XO4		5000	381					
LA0000057435	LA	LA00009	127-9B	06/15/1999	XO4		5000	381.4					
LA0000057436	LA	LA00009	127-9A	06/15/1999	XO4		5000	386.8					
LA0000057437	LA	LA00009	135-9B	06/15/1999	XO4		5000	387.8					
LA0000057438	LA	LA00008	8-132B	06/15/1999	XO4		5000	386.8					
LA0000057439	LA	LA00003	3-131B	04/26/1999	XO4		5000	379.1					
LA0000057440	LA	LA00006	6-132B	05/10/1999	XO4		5000	383.2					
LA0000057441	LA	LA00007	7-134A	06/15/1999	XO4		5000	381.9					
LA0000057442	LA	LA00009	135-9A	06/15/1999	XO4		5000	395.5					
LA0000057443	LA	LA00008	8-136A	06/23/1999	XO4		5000	385.5					
LA0000057444	LA	LA00010	136-10A	06/15/1999	XO4		5000	386.4					
LA0000057445	LA	LA00008	8-136B	06/23/1999	XO4		5000	383.7					

Waste Isolation Pilot Plant
WWIS

Report RP0360 Waste Container Data Report
Filename
Run by MIKUSK
Report Date 09/08/1999 12:54
Total Pages 6

Selection Criteria

Module RP0360
Version 1.2
Container Number LA00000057824
Site Id %
Waste Stream %
Data Status Code %

Waste Container Data Report

WIPP Waste
Information System

Waste Isolation Pilot Plant

Page 3 of 6

Waste Container Information

Cntr Num : LA00000057824
Site Id : LA - LOS ALAMOS NATIONAL LABORATORY
Data Status Code : Container Emplaced at WIPP
Waste Stream Profile : LA-TA-55-43.01
Type Code : 2 - SWB

Nuclide Information

Radionuclide	Description	Activity(Ci)	Activity Uncert(Ci)	Mass(G)	Mass Uncert(G)	List
NP-237	NEPTUNIUM 237	5.000E-07	1.055E-07	7.050E-04	1.485E-04	
PU-238	PLUTONIUM 238	5.840E+00	8.900E-01	3.410E-01	5.200E-02	
PA-231	PROTACTINIUM 231	2.330E-07	2.365E-07	4.970E-07	5.050E-07	
TH-232	THORIUM 232	1.140E-07	7.000E-08	1.040E+00	6.400E-01	
U-234	URANIUM 234	6.560E-05	4.205E-05	1.060E-02	6.800E-03	
PU-239	PLUTONIUM 239	5.320E-03	1.115E-03	8.580E-02	1.800E-02	

Material Parameters Information

Waste Matl Parm	Description	Weight(Kg)
2	ALUMINUM BASE METAL/ALLOYS	.5
4	OTHER INORGANIC MATERIALS	.54
1	IRON BASE METAL ALLOYS	75.28
3	OTHER METAL/ALLOYS	.82
6	CELLULOSICS	1.9
8	PLASTICS	14.24

Assay Methods Information

Radio Assay Method	Description	Assay Date
TGS	TOMOGRAPHIC GAMMA SCANNER	07/10/1998
FRAM	PC/GAMMA ISOTOPIC RATIO SYSTEM	08/28/1998

Characterization Methods Information

Method Id	Description	Charz Method Date
RTRM	MOBILE RTR @ LANL	01/14/1998

Sample Information

Sample Id : V-8FEB0324.D
Layer No Sampled : 0
Sample Type : HGVO
Date Sampled : 02/03/1998

Waste Container Data Report

WIPP Waste
Information System

Waste Isolation Pilot Plant

Page 5 of 6




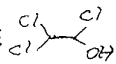
Waste Container Information

Cntr Num : LA00000057824
 Site Id : LA - LOS ALAMOS NATIONAL LABORATORY
 Data Status Code : Container Emplaced at WIPP
 Waste Stream Profile : LA-TA-55-43.01
 Type Code : 2 - SWB

Sample Information

Sample Id : V-8FEB0324.D Sample Type : HGVO
 Layer No Sampled : 0 Date Sampled : 02/03/1998

Sample Amounts

Analyte	Method	Concentration	Date Analyzed	Detection Method
56-23-5 - CARBON TETRACHLORIDE 	430.1	1.880 Ppm	02/03/1998	U
71-43-2 - BENZENE 	430.1	1.520 Ppm	02/03/1998	U
107-06-2 - 1,2-DICHLOROETHANE 	430.1	2.420 Ppm	02/03/1998	U
79-01-6 - TRICHLOROETHYLENE 	430.1	1.720 Ppm	02/03/1998	U
71-36-3 - BUTANOL	430.1	21.800 Ppm	02/03/1998	U
108-10-1 - METHYL ISOBUTYL KETONE	430.1	25.500 Ppm	02/03/1998	U
108-88-3 - TOLUENE	430.1	2.070 Ppm	02/03/1998	U
127-18-4 - TETRACHLOROETHYLENE	430.1	1.830 Ppm	02/03/1998	U

Sample Id : H-8FEB0324.D Sample Type : HGHM
 Layer No Sampled : 0 Date Sampled : 02/03/1998

Sample Amounts

Analyte	Method	Concentration	Date Analyzed	Detection Method
1333-74-0 - HYDROGEN	520.1	.1500 Volume %	02/03/1998	NA
74-82-8 - METHANE	520.1	.0200 Volume %	02/03/1998	U

Comment Information

Comment Type	Comments
GENERAL COMMENTS	FILTER DATE AND CLOSURE DATE ARE FOR SWB CONTAINER, VENT DATE IS FOR WASTE VENTING WHICH IS THE DATE ORIGINAL DRUM WAS VENTED, RTRM ON ORIGINAL DRUM BEFORE REPACKAGING
RADIONUCLIDES	49CFR173.433F ISOTOPE LIST FOR SHIPPING PAPERS & LABELING: PU-238; SURFACE CONTAMINATION REPORTED IS HIGHER OF MEASUREMENT OR MDA
CHARZ METHODS	ORIGINAL VENTED & FILTERED DRUM WAS REPACKAGED AFTER HGAS
WASTE CONTAINER	ORIGINAL DRUM REPACKAGED INTO MULTIPLE DRUMS, THEN INDIVIDUAL DAUGHTER DRUMS REPACKAGED INT SWB WITH DRUM LID REMOVED & 3

Waste Isolation Pilot Plant
WMIS

Report RP0360 Waste Container Data Report
Filename
Run by MIKUSK
Report Date 09/08/1999 12:59
Total Pages 3

Selection Criteria

Module RP0360
Version 1.2
Container Number RFD94496
Site Id %
Waste Stream %
Data Status Code %

Waste Container Data Report

WIPP Waste
Information System

Waste Isolation Pilot Plant

Page 3 of 3

Waste Container Information

Cntr Num : RFD94496
Site Id : RF - ROCKY FLATS
Data Status Code : Container Emplaced at WIPP
Waste Stream Profile : RF005.01
Type Code : 5 - 55 GALLON PIPE OVERPACK - 12 INCH PIPE OVERPACK

Nuclide Information

Radionuclide	Description	Activity(Ci)	Activity Uncert(Ci)	Mass(G)	Mass Uncert(G)	List
PU-241	PLUTONIUM 241	3.305E+01	8.143E-01	3.178E-01	7.829E-03	
PU-242	PLUTONIUM 242	1.370E-04	4.236E-05	3.450E-02	1.067E-02	

Material Parameters Information

Waste Matl Parm	Description	Weight(Kg)
1	IRON BASE METAL ALLOYS	5.4
13	STEEL CONTAINER MATERIALS - KG	110
14	PLASTIC/LINERS CONTAINER MATERIALS- KG	5
4	OTHER INORGANIC MATERIALS	8
6	CELLULOSICS	35
8	PLASTICS	.48

Assay Methods Information

Radio Assay Method	Description	Assay Date
CALG	CALORIMETRY/GAMMA SPECTROSCOPY	08/20/1998

Characterization Methods Information

Method Id	Description	Charz Method Date
NEWLY GENERAT ED	VISUAL OF NEWLY GENERATED WASTE	09/19/1998

Location Information

Panel Number	Room Number	Bore Hole Number	Building Number	Pad Number
1	7			

Waste Stream Profile Reference Data

Valid Waste Stream Profiles

Waste Stream Profile	Site Id	Description	EPA Form Code	Sample Req.	Date Approved
INW276.001	IN	GRAPHITE MOLDS	5126	Y	08/20/1999
INW276.002	IN	GRAPHITE MOLDS	5126	Y	08/20/1999
RF001.01	RF	CLOTH/PAPER FROM GLOVEBOX CLEANUP	5000	Y	04/06/1998
RF003.01	RF	GRAPHITE CHUNKS AND COURSE	5000	Y	04/06/1998
RF005.01	RF	RESIDUES - PU RECOVERY BYPRODUCTS	3000	N	06/17/1999

SITE CERTIFICATION STATUS REPORT

CAO Cert. Date: 4/12/99
EPA Cert. Date: 3/24/99

RFETS

Certification Summary:

Updated 9/8/99

1st shipment arrived 6/16/99. 26 drums of graphite molds. (Non-mixed) No RH waste projected.

EPA Certification Letter 3/24/99 (Limited to debris)
 6 CARS from the Recertification Audit 3/1/99. NDA Software QA audited 3/24/99.

Residues audits 8/31/98 - 1 open CAR; 4/12/99 has 2 open CARs.

EPA wants the measurement control software for the gamma portion of cal/gamma audited in detail next time.

LECO Phase I Equivalency pending final approved by CAO 6/9/99

Use of chronological sampling number equiv request coming
 Carbon disulfide issue, comb. Waste, need report form RFP to justify the data
 MPC on forms justification from RFETS
 Will be adding a skid-mounted TGS (LANL clone?)
 Will be adding a neutron multiplicity counter in B371

WCP <input checked="" type="checkbox"/>	TRAMPAC and TRAMPAC QA <input checked="" type="checkbox"/>
Cert QA Plan <input checked="" type="checkbox"/>	QAPD Matrix Status <input checked="" type="checkbox"/>
QAPIP <input checked="" type="checkbox"/>	Graded Approach Proc <input checked="" type="checkbox"/>
Sampling Plan <input checked="" type="checkbox"/>	SOPs <input checked="" type="checkbox"/>

WCP notes: Rev 2 approved 2/25/99

QA Plan notes: Approved, with WCP

QAPIP notes: Rev 3 approved 2/25/99, Salt PCP, Rev. 1 approved 2/25/99

TRAMPAC notes: Approved, with WCP

Sampling Plan notes: Rev. 3, approved 11/3/97, on file; Rev. 4 at CAO for approval

Matrix notes: Written to QAPD Rev. 2, on file

Graded Proc notes: Rev. 3, Approved 4/1/99; on file

SPM: G. A.(Jerry) O'Leary (303-966-6268) on file	DOE: Lam Xuan (303-966-3135)
QA: Mark Castagneri (303-966-7255) - ALT J. C. Tressel	SPM Alt: Eric L. D'Amico (303-966-5362)
WCO: Carol L. Ferrera; on file	WCO Alt: Tommy. E. Putman; on file
TCO: Ken F. Lenarcic; on file	TCO Alt: Jeanett L. Watkins; on file

PDP NDA Status: C-4: MCS CI/IQ3 SGS (P) combustible matrix drum only, MCS

SITE CERTIFICATION STATUS REPORT

CAO Cert. Date: 10/20/98

EPA Cert. Date: 5/14/98

LANL

Certification Summary:

Updated 9/8/99

First shipment left LANL 3/25/99, arriving at WIPP 4:00 AM on 3/26/99. The first barrel was emplaced at 1:30 PM on 3/26/99.

1st RH shipment projected for 2/2002

Will look at a prototype TGS that is an identical system to the mobile TGS during coring audit.

ASSAY: PAN, FRAM, TGS (skid mount and mobile)

RTR: LANL references the QAPP, (MM 310.1 implied)

VE: LANL references the QAPP, (MM 310.2 implied)

Hydrogen/Methane MM 520.1

Gas VOCs - MM 430.1

CHAR: GC/MS - DTP-1.2-042

GC/TCD - DTP-1.2-042

GC/FID - 440.2

Silcosteel pass. - EPA T0-14

110.2, 210.1, 520.1, 430.1

Solids - 120.1 (Not audited)

WCP	<input checked="" type="checkbox"/>	TRAMPAC and TRAMPAC QA	<input checked="" type="checkbox"/>
Cert QA Plan	<input checked="" type="checkbox"/>	QAPD Matrix Status	<input checked="" type="checkbox"/>
QAPJP	<input checked="" type="checkbox"/>	Graded Approach Proc	<input checked="" type="checkbox"/>
Sampling Plan	<input checked="" type="checkbox"/>	SOPs	<input checked="" type="checkbox"/>

WCP notes: Rev. 2 approved 4/29/99; on file

QA Plan notes: In WCP

QAPJP notes: Rev. 2 approved 4/30/99; on file

TRAMPAC notes: In WCP

Sampling Plan notes: Adequacy review found it acceptable, document is UCNI, cannot be filed

Matrix notes: Adequate, closed CAR 96-081

Graded Proc notes: Approved 8/29/97; on file

SPM: Pam Rogers (505-667-1765); on file

DOE: Christopher Mumane (505-665-8774)

QA: Margi Gavett (505-665-5392)

SPM Alt: Laurie Sparks; on file

WCO: Sandy Wander (505-667-8532) on file

WCO Alt: Pam Rogers; on file

TCO: Keith Lacy; on file

TCO Alt: Flavio Martinez; on file

PDP NDA Status: C-4: Mobile Pan (P), TGS (P), HENC (P), CI/PNC (P)

PDP Headspace Status: C-13: VOC&H/M (P)

PDP RCRA Status: C-5: SVOC, Metals Meth. ICPMS (P); VOC, PCB, Metals Meth.

SITE CERTIFICATION STATUS REPORT

CAO Cert. Date: 8/20/99

EPA Cert. Date: 2/19/99

INEEL

Certification Summary:

Updated 9/7/99

INEEL's certification expired May, 1999. Recertification for graphite debris waste was reinstated 8/20/99. All other waste is restricted.

INEEL's first shipment arrived April 28, 1999. 1st RH shipment projected for 2/2007.

EPA Certification is limited to debris waste.

QAPD matrix to Rev. 2 revision was not sent in 3/22 package.

FTIR leak check criteria is not correct, the RGA portion may be replaced with GC.

Look into significant figures issues.

INEEL has nonconforming SWBs (Vulcan)

Need INEEL to justify the data generated using Program MDLs rather than actuals.

143 total SOPs

ASSAY: PAN SGRS

CHAR:

GC/MS - 430.1, 430.4, 430.6,

FTIRS - 430.7

GC/TCD - 520.1, 440.1, 440.2

GC/ECD - 440.3

GC/FID

MS - RGA - 510.1

Solids - 610.1, 640.1, 650.1, 650.2, 650.3

WCP <input checked="" type="checkbox"/>	TRAMPAC and TRAMPAC QA <input checked="" type="checkbox"/>
Cert QA Plan <input checked="" type="checkbox"/>	QAPD Matrix Status <input checked="" type="checkbox"/>
QAPJP <input checked="" type="checkbox"/>	Graded Approach Proc <input checked="" type="checkbox"/>
Sampling Plan <input checked="" type="checkbox"/>	SOPs <input checked="" type="checkbox"/>

WCP notes: Rev 2 approved 4/6/99, on file

QA Plan notes: Rev 3 approved 4/6/99, on file

QAPJP notes: Rev 3 approved 4/6/99, on file

TRAMPAC notes: Rev 5 approved 4/20/99, on file

Sampling Plan notes: Adequate, on file

Matrix notes: On file (QAPD Rev. 2 not sent as of 4/6/99)

Graded Proc notes: Approval letter on file

SPM: Dr. Rodney E. Arbon (208-526-1867); on file

DOE: Jerry Wells (208-526-5296)

SITE CERTIFICATION STATUS REPORT

CAO Cert. Date: 4/12/99

EPA Cert. Date: 3/24/99

RFETS

Certification Summary:

Updated 9/8/99

1st shipment arrived 6/16/99. 26 drums of graphite molds. (Non-mixed) No RH waste projected.

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6 CARS from the Recertification Audit 3/1/99. NDA Software QA audited 3/24/99.

Residues audits 8/31/98 - 1 open CAR; 4/12/99 has 2 open CARs.

EPA wants the measurement control software for the gamma portion of cal/gamma audited in detail next time.

LECO Phase I Equivalency pending final approved by CAO 6/9/99

Use of chronological sampling number equiv request coming

Carbon disulfide issue, comb. Waste, need report form RFP to justify the data

MPC on forms justification from RFETS

Will be adding a skid-mounted TGS (LANL clone?)

Will be adding a neutron multiplicity counter in B371

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Cert QA Plan <input checked="" type="checkbox"/>	QAPD Matrix Status <input checked="" type="checkbox"/>
QAPIP <input checked="" type="checkbox"/>	Graded Approach Proc <input checked="" type="checkbox"/>
Sampling Plan <input checked="" type="checkbox"/>	SOPs <input checked="" type="checkbox"/>

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QAPIP notes: Rev 3 approved 2/25/99, Salt PCP, Rev. 1 approved 2/25/99

TRAMPAC notes: Approved, with WCP

Sampling Plan notes: Rev. 3, approved 11/3/97, on file; Rev. 4 at CAO for approval

Matrix notes: Written to QAPD Rev. 2, on file

Graded Proc notes: Rev. 3, Approved 4/1/99; on file

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SPM Alt: Eric L. D'Amico (303-966-5362)

WCO: Carol L. Ferrera; on file

WCO Alt: Tommy E. Putman; on file

TCO: Ken F. Lenarcic; on file

TCO Alt: Jeanett L. Watkins; on file

PDP NDA Status: C-4: MCS CI/IQ3 SGS (P) combustible matrix drum only, MCS

SITE CERTIFICATION STATUS REPORT

CAO Cert. Date: 4/12/99

EPA Cert. Date: 3/24/99

RFETS

	CI/PNC (P)
PDP Headspace Status:	C-13 VOC&H/M (P)
PDP RCRA Status:	C-6: VOC, SVOC, Metals, PCB (P)
WSPF Status:	4 approved (comb., graphite, metals, glass)
NDA Sys Eval:	All 7 Canberra issues adequately resolved
WWIS:	WID acceptance letter 12/17/97; on file
Return Shipments:	
Audit:	7/97; 12/97; 2/98; 8/98; 3/99; 3/99; 4/99; 6/99 (B6)
Next Audit:	Wet Com/Dry Rpkg. 9/13/99; 11/15/99
CARS:	6 CARS issued during Recert Audit 3/99 (open) ; 2 Res. CARS open
QA Pkg Plan:	In TRAMPAC
Waste Cert Auth:	CAO authority granted 3/26/98
Waste Cert Limitations:	CAO & EPA limited RFET to retri-stored debris waste
Trans Cert Auth:	Authority granted 3/26/98
Trans Cert Limitations:	Not limited

SITE CERTIFICATION STATUS REPORT

CAO Cert. Date: 10/20/98

EPA Cert. Date: 5/14/98

LANL

Certification Summary:

Updated 9/8/99

First shipment left LANL 3/25/99, arriving at WIPP 4:00 AM on 3/26/99. The first barrel was emplaced at 1:30 PM on 3/26/99.

1st RH shipment projected for 2/2002

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ASSAY: PAN, FRAM, TGS (skid mount and mobile)

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VE: LANL references the QAPP, (MM 310.2 implied)

Hydrogen/Methane MM 520.1

Gas VOCs - MM 430.1

CHAR: GC/MS - DTP-1.2-042

GC/TCD - DTP-1.2-042

GC/FID - 440.2

Silcosteel pass. - EPA T0-14

110.2, 210.1, 520.1, 430.1

Solids - 120.1 (Not audited)

WCP <input checked="" type="checkbox"/>	TRAMPAC and TRAMPAC QA <input checked="" type="checkbox"/>
Cert QA Plan <input checked="" type="checkbox"/>	QAPD Matrix Status <input checked="" type="checkbox"/>
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Sampling Plan <input checked="" type="checkbox"/>	SOPs <input checked="" type="checkbox"/>

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TRAMPAC notes: In WCP

Sampling Plan notes: Adequacy review found it acceptable, document is UCNI, cannot be filed

Matrix notes: Adequate, closed CAR 96-081

Graded Proc notes: Approved 8/29/97; on file

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QA: Margi Gavett (505-665-5392)	SPM Alt: Laurie Sparks; on file
WCO: Sandy Wander (505-667-8532) on file	WCO Alt: Pam Rogers; on file
TCO: Keith Lacy; on file	TCO Alt: Flavio Martinez; on file

PDP NDA Status: C-4: Mobile Pan (P), TGS (P), HENC (P), CI/PNC (P)

PDP Headspace Status: C-13: VOC&H/M (P)

PDP RCRA Status: C-5: SVOC, Metals Meth. ICPMS (P); VOC, PCB, Metals Meth.

SITE CERTIFICATION STATUS REPORT

CAO Cert. Date: 10/20/98

EPA Cert. Date: 5/14/98

LANL

	ICPAES (F) -- C-4 no part. -- C-3 VOC, SVOC, Met. (P), PCB (F)
WSPF Status:	1 approved, 2 waste streams ready
NDA Sys Eval:	Method is acceptable (NEED TO SPECIFY WHICH METHOD)
WWIS:	Accepted, declaration letter on file
Return Shipments:	4/7/97; Todd/Filed
Audit:	5/97; 8/97; 9/97; 9/98; 6/98; 7/98
Next Audit:	Gas Gen. 9/13/99, Recert. 11/1/99
CARs:	All CARs closed
QA Pkg Plan:	Acceptable, included in the TRAMPAC
Waste Cert Auth:	CAO Auth. 10/20/98; on file -- EPA Cert 5/14/98
Waste Cert Limitations:	Limited to legacy debris & processes audited
Trans Cert Auth:	CAO authority granted 10/20/98, letter on file
Trans Cert Limitations:	Not limited

SITE CERTIFICATION STATUS REPORT

CAO Cert. Date: 8/20/99

EPA Cert. Date: 2/19/99

INEEL

Certification Summary:

Updated 9/7/99

INEEL's certification expired May, 1999. Recertification for graphite debris waste was reinstated 8/20/99. All other waste is restricted.

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Need INEEL to justify the data generated using Program MDLs rather than actuals.

143 total SOPs

ASSAY: PAN SGRS

CHAR:

GC/MS - 430.1, 430.4, 430.6,

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GC/TCD - 520.1, 440.1, 440.2

GC/ECD - 440.3

GC/FID

MS - RGA - 510.1

Solids - 610.1, 640.1, 650.1, 650.2, 650.3



WCP notes: Rev 2 approved 4/6/99, on file

QA Plan notes: Rev 3 approved 4/6/99, on file

QAPJP notes: Rev 3 approved 4/6/99, on file

TRAMPAC notes: Rev 5 approved 4/20/99, on file

Sampling Plan notes: Adequate, on file

Matrix notes: On file (QAPD Rev. 2 not sent as of 4/6/99)

Graded Proc notes: Approval letter on file

SPM: Dr. Rodney E. Arbon (208-526-1867); on file

DOE: Jerry Wells (208-526-5296)

SITE CERTIFICATION STATUS REPORT

QA: _____
WCO: _____
TCO: Donald G. Pound (208-526-8023); on file **TCO Alt:** Gina K. Tedford; on file

PDP NDA Status:	C-4: PAN (P); MCS CI/SGS (P), BIR A&PCT (P)
PDP Headspace Status:	C-13; ECL VOC&H/M (P), RWMC FTIRS VOC CTC (C), TC (P); H/M (P)
PDP RCRA Status:	C-5: Passed all but PCB (Failed PCP)
WSPF Status:	
NDA Sys Eval:	
WWIS:	
Return Shipments:	10/18/96; Case/Filed
Audit:	4/97; 1/98; 2/98; 4/98 (Trips Surv); 5/99 (Recert); 7/99 (B6)
Next Audit:	Recert followup 9/20/99
CARS:	21 Total CARS from Recert. Audit & TRIPS Surv.
QA Pkg Plan:	Acceptable, not on file
Waste Cert Auth:	CAO authority granted 4/29/98, recert 8/20/99 for graphite debris only
Waste Cert Limitations:	Limited to the proc. audited - (EPA - debris only)
Trans Cert Auth:	Authority granted 4/29/98, recert 8/20/99
Trans Cert Limitations:	Not limited