

*ANNEX I to ATTACHMENT F*

*WASTE STREAM PROFILES – 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,*  
 5 *repackaging, or other disposition that brings them into compliance with the CH-WAC. Annex*  
 6 *F contains a memo that lists the limiting conditions (screening criteria) that were used to*  
 7 *screen these waste streams out of the inventory. The TRU waste sites that have reported non-*  
 8 *WIPP waste streams are:*

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

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.*

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TWBIR ID: **AW-W018**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	AW-W018	Handling	RH	Stream Name	SODIUM - TRU			Inventory Date	9/30/2002
Local ID	CH-ANL-180T	Waste Type	MTRU	Generator Site	AW	Final Waste Form	Uncategorized Metal	Waste Matrix Code	X7520

EPA Codes	
As-Generated	
D001, D003	

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	0.00	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
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	0.00			
Packaging Material, Plastic	0.00			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

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

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	3.83E+02
Ba-137m	1.67E+05
Ce-141	1.45E+04
Ce-144	4.50E+05
Cm-242	1.68E+03
Cs-134	2.65E+04
Cs-137	1.77E+05
Eu-154	3.66E+03
Eu-155	1.95E+04
Kr-85	9.65E+03
Nb-95	2.15E+05
Pm-147	2.56E+05
Pr-144	4.50E+05
Pr-144m	5.40E+03

(Radionuclides continued next page)

**Waste Volume Detail (Cubic meters) for TWBIR ID : AW-W018**

As-Generated Volumes						
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
Liner / 0.1m3	14.1	0.0	0.0	0.0	0.0	14.1
Liner / 0.3m3	29.1	0.0	0.0	0.0	0.0	29.1
Liner / 0.5m3	197.0	0.0	0.0	0.0	0.0	197.0
<b>As-Generated</b>	<b>Stored 240.2</b>	<b>Projected 0.0</b>	<b>Total 240.2</b>			

Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
RH Canister used to overpack	240.7	0.0	0.0	0.0	0.0	240.7
<b>Final Form</b>	<b>Stored 240.7</b>	<b>Projected 0.0</b>	<b>Total 240.7</b>			

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**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)	
Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)
Pu-238	9.53E+02	Te-127m	4.37E+03
Pu-239	1.69E+04	Y-90	7.25E+04
Pu-240	2.84E+03	Y-91	5.05E+04
Pu-241	7.05E+04	Zr-95	1.07E+05
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	3.83E+03		
Te-127	4.28E+03		

**Waste Stream Description** 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.

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**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Acceptance Comments** N/A

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**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	Handling	RH	Stream Name	SODIUM POTASSIUM -NaK- TRU			Inventory Date	9/30/2002
Local ID	CH-ANL-182T	Waste Type	MTRU	Generator Site	AW	Final Waste Form	Uncategorized Metal	Waste Matrix Code	X7520

EPA Codes	
As-Generated	
D003	

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	0.00	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
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	0.00			
Packaging Material, Plastic	0.00			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

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

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	4.78E+02
Ba-137m	2.09E+05
Ce-141	1.81E+04
Ce-144	5.62E+05
Cm-242	2.10E+03
Cs-134	3.31E+04
Cs-137	2.21E+05
Eu-154	4.57E+03
Eu-155	2.44E+04
Kr-85	1.20E+04
Nb-95	2.68E+05
Pm-147	3.19E+05
Pr-144	5.62E+05
Pr-144m	6.75E+03

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : AW-W019													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	Total
Liner / 0.1m3	0.7	0.0	0.0	0.0	0.0	0.7	RH Canister used to overpack	4.1	0.0	0.0	0.0	0.0	4.1
Liner / 0.3m3	1.2	0.0	0.0	0.0	0.0	1.2							
Liner / 0.5m3	2.0	0.0	0.0	0.0	0.0	2.0							
<b>As-Generated</b>	<b>Stored</b>	<b>3.9</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>3.9</b>	<b>Final Form</b>	<b>Stored</b>	<b>4.1</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>4.1</b>

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**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)	
Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)
Pu-238	1.19E+03	Te-127m	5.46E+03
Pu-239	2.11E+04	Y-90	9.06E+04
Pu-240	3.55E+03	Y-91	6.30E+04
Pu-241	8.80E+04	Zr-95	1.34E+05
Rh-103m	4.88E+04		
Rh-106	6.60E+05		
Ru-103	4.87E+04		
Ru-106	6.60E+05		
Sb-125	1.97E+04		
Sm-151	8.01E+03		
Sr-89	3.40E+04		
Sr-90	9.04E+04		
Te-125m	4.78E+03		
Te-127	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



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**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**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-W029**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	N/A	Handling	RH	Stream Name	RSWF TRANSURANIC WASTE			Inventory Date	9/30/2002
Local ID	CH-ANL-538	Waste Type	TRU	Generator Site	AW	Final Waste Form	Uncategorized Metal		
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		Final Form Radionuclides

<b>As-Generated</b>
N/A

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	126.90	90.30	223.50
Aluminum-Base Metal/Alloys	2.40	1.70	6.90
Other Metal/Alloys	266.50	214.20	406.90
Other Inorganic Materials	14.60	10.20	21.40
Cellulosics	8.30	6.70	12.70
Rubber	0.50	0.30	1.50
Plastics	5.40	1.80	11.40
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	526.00		
Packaging Material, Plastic	26.00		
Packaging Material, Lead	464.70		
Packaging Material, Steel Plug	0.00		

Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Other/Multiple Sources

TRUCON Codes	N/A
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Isotope	Typical Concentration (Ci/m3)
Am-241	1.79E+02
Ba-137m	7.84E+04
Ce-141	6.80E+03
Ce-144	2.11E+05
Cm-242	7.86E+02
Cs-134	1.24E+04
Cs-137	8.28E+04
Eu-154	1.71E+03
Eu-155	9.13E+03
Kr-85	4.52E+03
Nb-95	1.00E+05
Pm-147	1.20E+05
Pr-144	2.11E+05
Pr-144m	2.53E+03

(Radionuclides continued next page)

**Waste Volume Detail (Cubic meters) for TWBIR ID : AW-W029**

As-Generated Volumes						
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
Liner / 0.1m3	2.6	0.0	0.0	0.0	0.0	2.6
Liner / 0.3m3	4.5	0.0	0.0	0.0	0.0	4.5
Liner / 0.5m3	37.0	0.0	0.0	0.0	0.0	37.0
<b>As-Generated</b>	<b>Stored</b>	<b>Projected</b>	<b>Total</b>	<b>44.1</b>	<b>0.0</b>	<b>44.1</b>

Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
RH Canister used to overpack	44.2	0.0	0.0	0.0	0.0	44.2
<b>Final Form</b>	<b>Stored</b>	<b>Projected</b>	<b>Total</b>	<b>44.2</b>	<b>0.0</b>	<b>44.2</b>

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TWBIR ID: **AW-W029**

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**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

**Final Form Radionuclides  
(Continued)**

Isotope	Typical Concentration (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
Te-127	2.00E+03

**Final Form Radionuclides  
(Continued)**

Isotope	Typical Concentration (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.

**Waste Stream Source Description** N/A

**Current Container Comments** N/A

**EPA Comments** N/A

**Management Comments** N/A

**Acceptance Comments** N/A

**Final Form Comments** N/A

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Annex I

TWBIR ID: BL-001

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Reactor Fuel Test Specimens			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	BL	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
As-Generated	Material Parameter	Average	Lower	Upper	Category: Defense TRU Waste*	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/A	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs: N/A	
	Other Inorganic Materials	0.00	0.00	0.00	Source: N/A	
	Cellulosics	0.00	0.00	0.00		
	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	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 : BL-001													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 45.1	<b>Projected</b> 0.0	<b>Total</b> 45.1			<b>Final Form</b>	<b>Stored</b> 45.1	<b>Projected</b> 0.0	<b>Total</b> 45.1				

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TWBIR ID: **BL-001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Waste Stream Description** This waste consists mostly of cellulostics, rubber, and lead-lined gloves.

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**Waste Stream Source Description** N/A

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** \* Defense Determination Needed

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**Final Form Comments** N/A

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TWBIR ID: FM-MOX-MT02

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Framatome MOX Fuel Plant D&D Mixed TRU Waste			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	FR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5400

EPA Codes	
As-Generated	
D008	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	305.00	0.00	0.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	56.00	0.00	0.00	
Rubber	21.00	0.00	0.00	
Plastics	4.00	0.00	0.00	
Solidified, Inorganic Matrix	0.00	0.00	0.00	
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			

Final Waste Form Descriptors		TRUCON Codes
Category:	Non-defense TRU Waste	N/A
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	Remediation/D&D Waste, Discarding Excess/Expired Materials	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.43E-06
Pu-238	1.48E-06
Pu-239	7.20E-07
Pu-240	4.30E-07
Pu-241	6.07E-05
Pu-242	1.00E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : FM-MOX-MT02													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	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
<b>As-Generated</b>	<b>Stored</b> 0.4	<b>Projected</b> 0.0	<b>Total</b> 0.4				<b>Final Form</b>	<b>Stored</b> 0.4	<b>Projected</b> 0.0	<b>Total</b> 0.4			

# Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: FM-MOX-MT02

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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

---

**Current Container Comments** 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 PuO<sub>2</sub> and UO<sub>2</sub> 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.

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: FM-MOX-T01

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Framatome MOX Fuel Plant D&D TRU Waste			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	FR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5400

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Non-defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	305.00	0.00	0.00	Residues:	No		Am-241	2.43E-06
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-238	1.48E-06
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	7.20E-07
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Remediation/D&D Waste, Discarding Excess/Expired Materials		Pu-240	4.30E-07
	Cellulosics	56.00	0.00	0.00				Pu-241	6.07E-05
	Rubber	21.00	0.00	0.00				Pu-242	1.00E-08
	Plastics	4.00	0.00	0.00					
	Solidified, Inorganic Matrix	0.00	0.00	0.00					
	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													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	Total
Drum / 55 gallon in overpack	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
<b>As-Generated</b>	<b>Stored</b> 6.9	<b>Projected</b> 0.0	<b>Total</b> 6.9			<b>Final Form</b>	<b>Stored</b> 6.9	<b>Projected</b> 0.0	<b>Total</b> 6.9				

# Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: **FM-MOX-T01**

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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.

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**Waste Stream Source Description** N/A

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**Current Container Comments** 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

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**Management Comments** Waste will be accepted into the Hanford TRU Program and characterized to meet all certification requirements for shipment to WIPP.

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: VN-CHT001

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	GE	Final Waste Form	N/A		

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Non-defense TRU Waste	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/A		
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	N/A		
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A		
	Cellulosics	0.00	0.00	0.00				
	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	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-CHT001													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Drum / 55 gallon	0.0	0.0	0.0	0.0	0.0	20.2	55 Gallon Drum	0.0	0.0	0.0	0.0	0.0	20.2
<b>As-Generated</b>	<b>Stored</b>	0.0	<b>Projected</b>	20.2	<b>Total</b>	20.2	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	20.2	<b>Total</b>	20.2

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TWBIR ID: VN-CHT001

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** This waste will be generated from refurbishment of an alpha high-level hot cell.

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**Waste Stream Source Description** N/A

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**Current Container Comments** waste not generated yet - not funded

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: VN-RHT001

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	N/A			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	GE	Final Waste Form	N/A		

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Non-defense TRU Waste	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/A		
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	N/A		
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A		
	Cellulosics	0.00	0.00	0.00				
	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	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-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
RH Canister	0.0	0.0	0.0	0.0	0.0	12.5	RH Canister	0.0	0.0	0.0	0.0	0.0	12.5
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 12.5	<b>Total</b> 12.5				<b>Final Form</b>	<b>Stored</b> 0.0	<b>Projected</b> 12.5	<b>Total</b> 12.5			

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TWBIR ID: VN-RHT001

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: IN-SBW-01A

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	SBW Treatment Option 1 - Calcine Process - Calcine			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	IN	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S3000

**EPA Codes**

<b>As-Generated</b>
D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005, N/A, U134

**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	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	1200.00	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	499.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

**Final Waste Form Descriptors**

Category:	Defense TRU Waste	TRUCON Codes	N/A
Residues:	No		
Asbestos:	No		
PCBs:	No		
Source:	Materials Production/Recovery Effluents		

**Final Form Radionuclides**

Isotope	Typical Concentration (Ci/m3)
Am-241	3.11E-01
Am-242	5.66E-05
Am-242m	4.51E-05
Am-243	8.04E-05
Ba-137m	1.91E+02
C-14	3.83E-03
Cd-113m	1.16E-02
Ce-144	1.09E-02
Cf-249	1.33E-14
Cf-250	1.27E-14
Cf-251	2.06E-16
Cm-242	7.36E-05
Cm-243	1.13E-04
Cm-244	1.16E-02

(Radionuclides continued next page)

**Waste Volume Detail (Cubic meters) for TWBIR ID : IN-SBW-01A**

As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 0.0	<b>Total</b> 0.0			<b>Final Form</b>	<b>Stored</b> 0.0	<b>Projected</b> 1100.0	<b>Total</b> 1100.0				

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Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)	
Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (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.



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**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Acceptance Comments** N/A

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**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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Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	SBW Treatment Option 1 - Calcine Process - Grouted Scrub			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	IN	Final Waste Form	Solidified Inorganics	Waste Matrix Code	S3000

**EPA Codes**

<b>As-Generated</b>
D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005, U134

**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	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
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)	1600.00	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	499.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

**Final Waste Form Descriptors**

Category:	Defense TRU Waste	TRUCON Codes	N/A
Residues:	No		
Asbestos:	No		
PCBs:	No		
Source:	Materials Production/Recovery Effluents		

**Final Form Radionuclides**

Isotope	Typical Concentration (Ci/m3)
Am-241	1.22E-02
Am-242	2.22E-06
Am-242m	1.78E-06
Am-243	3.15E-06
Ba-137m	7.49E+00
C-14	1.50E-04
Cd-113m	4.56E-04
Ce-144	4.29E-04
Cf-249	5.23E-16
Cf-250	4.99E-16
Cf-251	8.10E-18
Cm-242	2.90E-06
Cm-243	4.45E-06
Cm-244	4.53E-04

(Radionuclides continued next page)

**Waste Volume Detail (Cubic meters) for TWBIR ID : IN-SBW-01B**

As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	30.4
<b>As-Generated</b>	<b>Stored 0.0</b>	<b>Projected 0.0</b>	<b>Total 0.0</b>				<b>Final Form</b>	<b>Stored 0.0</b>	<b>Projected 30.4</b>	<b>Total 30.4</b>			

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Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)	
Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (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

**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 scrubber blowdown would be grouted with 14 wt % Ca(OH)<sub>2</sub>, 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 change 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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TWBIR ID: **IN-SBW-01B**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Acceptance Comments** N/A

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**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

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	TRA Beryllium Blocks			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	IN	Final Waste Form	Uncategorized Metal		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00
	Other Metal/Alloys	337.00	0.00	0.00
	Other Inorganic Materials	0.00	0.00	0.00
	Cellulosics	0.00	0.00	0.00
	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	454.00		
	Packaging Material, Plastic	0.00		
	Packaging Material, Lead	0.00		
	Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	NA
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	N/A	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	4.89E-02
Be-10	9.87E-01
C-14	7.81E+00
Co-60	4.87E+02
Cs-137	6.11E+00
H-3	8.11E+04
I-129	5.86E-06
Ni-59	1.01E-01
Ni-63	2.35E+01
Pu-238	2.95E-02
Pu-239	5.90E-03
Pu-240	1.54E-02
Pu-241	1.97E+00
Pu-242	3.23E-04

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : IN-TRA-BE-01													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Other	4.0	0.9	2.2	1.3	0.0	9.0	RH Canister	11.6	0.0	0.0	0.0	0.0	24.0
As-Generated	Stored 4.0	Projected 5.0	Total 9.0				Final Form	Stored 11.6	Projected 12.5	Total 24.0			

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

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

**Final Form Radionuclides  
(Continued)**

<b>Isotope</b>	<b>Typical Concentration (Ci/m3)</b>
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

**Current Container Comments** 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



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TWBIR ID: IN-W146.699

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	IN-W146	Handling	CH	Stream Name	TRU HEAVY METAL SLUDGE			Inventory Date	4/30/1995	
Local ID	ID-TRA-291T	Waste Type	MTRU	Generator Site	IN	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S3120

EPA Codes
As-Generated
D006, D007, D008, D009, D011

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	0.00	0.00	0.00	
Other Inorganic Materials	394.20	173.10	528.80	
Cellulosics	0.00	0.00	0.00	
Rubber	0.00	0.00	0.00	
Plastics	0.00	0.00	0.00	
Solidified, Inorganic Matrix	399.00	173.10	528.80	
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			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	N/A
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	Remediation/D&D Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	3.24E-01
Ce-144	1.38E+00
Cm-244	4.06E-01
Co-60	7.20E-01
Cs-134	2.79E+00
Cs-137	3.07E+01
Eu-154	3.55E-01
Eu-155	2.01E+05
Pu-238	3.70E-01
Pu-239	3.03E-01
Sb-125	1.34E-01
Sr-90	4.18E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : IN-W146.699													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 2.1	<b>Projected</b> 0.0	<b>Total</b> 2.1			<b>Final Form</b>	<b>Stored</b> 2.3	<b>Projected</b> 0.0	<b>Total</b> 2.3				

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

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	The waste stream was sludge generated from four catch tanks that were removed from service. The sludge was generated from activity in the TRA Hot Cell and the TRA Chemistry Laboratories. This was generated only "one time."
<b>Waste Stream Source Description</b>	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
<b>EPA Comments</b>	High uncertainty.
<b>Management Comments</b>	Contact radiation readings range from 800 mR/hr to 5000 mR/hr.
<b>Acceptance Comments</b>	N/A
<b>Final Form Comments</b>	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

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TWBIR ID: IN-W325.1076

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	IN-W325	Handling	CH	Stream Name	CLASSIFIED PARTS:Cert-repack			Inventory Date	4/30/1995	
Local ID	ID-MDO-815T	Waste Type	TRU	Generator Site	MD	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S9000

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:			Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Defense TRU Waste	N/A		Pu-238	3.23E+01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No			
	Other Metal/Alloys	0.30	0.00	17.90	Asbestos:	Unknown			
	Other Inorganic Materials	11.10	0.00	17.30	PCBs:	No			
	Cellulosics	63.00	63.00	706.70	Source:	Source Information Not Compiled			
	Rubber	19.30	19.30	194.40					
	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 End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.2	<b>Projected</b> 0.0	<b>Total</b> 0.2				<b>Final Form</b>	<b>Stored</b> 0.4	<b>Projected</b> 0.0	<b>Total</b> 0.4			

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

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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

---

**Current Container Comments** 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.

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TWBIR ID: IN-W325.679

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	IN-W325	Handling	CH	Stream Name	CLASSIFIED PARTS:Direct Ship			Inventory Date	4/30/1995
Local ID	ID-MDO-815T	Waste Type	TRU	Generator Site	MD	Final Waste Form	Heterogeneous Debris		
Waste Matrix Code		S9000							

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Pu-238	3.23E+01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	Unknown			
	Other Metal/Alloys	0.17	0.00	17.90	PCBs:	No			
	Other Inorganic Materials	6.44	0.00	17.30	Source:	Source Information Not Compiled			
	Cellulosics	36.55	27.73	706.70					
	Rubber	11.20	8.50	194.40					
	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							

Waste Volume Detail (Cubic meters) for TWBIR ID : IN-W325.679													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.8	Projected 0.0	Total 0.8				
							SWB used to overpack 55 gall	0.6	0.0	0.0	0.0	0.0	0.6

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TWBIR ID: IN-W325.679

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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

---

**Current Container Comments** 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.

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TWBIR ID: IN-W350.650

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	IN-W350	Handling	CH	Stream Name	SPECIAL SOURCE MATERIAL:Direct Ship			Inventory Date	4/30/1995	
Local ID	ID-AEO-106T	Waste Type	TRU	Generator Site	AE	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S9000

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Pu-239	5.74E+01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	Unknown		Pu-240	1.76E+02
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No			
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Source Information Not Compiled			
	Cellulosics	0.00	0.00	0.00					
	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	191.75							
	Packaging Material, Plastic	22.38							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : IN-W350.650													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.8	Projected 0.0	Total 0.8				

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TWBIR ID: IN-W350.650

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	There is no descriptive or constituent information available for this waste, which was generated at ANL-E.
<b>Waste Stream Source Description</b>	This waste stream was generated at UNK: UNK. The generating process is: UNK
<b>Current Container Comments</b>	N/A
<b>EPA Comments</b>	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.
<b>Management Comments</b>	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.
<b>Acceptance Comments</b>	N/A
<b>Final Form Comments</b>	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.



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TWBIR ID: IN-W350.923

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	IN-W350	Handling	CH	Stream Name	SPECIAL SOURCE MATERIAL: Cert-repack			Inventory Date	4/30/1995
Local ID	ID-AEO-106T	Waste Type	TRU	Generator Site	AE	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S9000

<b>EPA Codes</b>
As-Generated
N/A

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	0.00	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
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	131.00			
Packaging Material, Plastic	37.00			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	N/A
Residues:	No	
Asbestos:	Unknown	
PCBs:	No	
Source:	Source Information Not Compiled	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Pu-239	5.74E+01
Pu-240	1.76E+02

Waste Volume Detail (Cubic meters) for TWBIR ID : IN-W350.923													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>				<b>Final Form</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>			

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

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Waste Stream Description** There is no descriptive or constituent information available for this waste, which was generated at ANL-E.

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**Waste Stream Source Description** This waste stream was generated at UNK: UNK. The generating process is: UNK

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**Current Container Comments** N/A

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**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.

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**Acceptance Comments** N/A

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**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.

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TWBIR ID: IN-W359.853

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	IN-W359	Handling	CH	Stream Name	NEUTRON SOURCES			Inventory Date	4/30/1995
Local ID	ID-BTO-015TN	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	Final Form Radionuclides		
As-Generated	Material Parameter	Average	Lower	Upper	Category:		Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Defense TRU Waste	N/A	Pu-238	1.41E+02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		
	Other Metal/Alloys	0.00	0.00	0.00	Asbestos:	Unknown		
	Other Inorganic Materials	0.00	0.00	0.00	PCBs:	No		
	Cellulosics	0.00	0.00	0.00	Source:	Source Information Not Compiled		
	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	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-W359.853													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.6</b>	<b>Projected 0.0</b>	<b>Total 0.6</b>				<b>Final Form</b>	<b>Stored 0.8</b>	<b>Projected 0.0</b>	<b>Total 0.8</b>			

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

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Waste Stream Description** There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.

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**Waste Stream Source Description** This waste stream was generated at UNK: UNK. The generating process is: UNK

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**Current Container Comments** N/A

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**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.

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: IN-W360.852

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	IN-W360	Handling	CH	Stream Name	MISCELLANEOUS SOURCES:RH Direct Ship			Inventory Date	4/30/1995
Local ID	ID-BTO-012TN	Waste Type	TRU	Generator Site	BT	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S9000

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00
	Other Metal/Alloys	0.00	0.00	0.00
	Other Inorganic Materials	0.00	0.00	0.00
	Cellulosics	0.00	0.00	0.00
	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	191.75		
	Packaging Material, Plastic	22.38		
	Packaging Material, Lead	0.00		
	Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors	TRUCON Codes	No Final Form Radionuclides Provided
Category: Defense TRU Waste	N/A	
Residues: No		
Asbestos: Unknown		
PCBs: No		
Source: Source Information Not Compiled		

Waste Volume Detail (Cubic meters) for TWBIR ID : IN-W360.852													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.8	Projected 0.0	Total 0.8				

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: IN-W360.852

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**Waste Stream Description** There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.

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**Waste Stream Source Description** This waste stream was generated at UNK: UNK. The generating process is: UNK

---

**Current Container Comments** 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.

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

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	IN-W360	Handling	CH	Stream Name	MISCELLANEOUS SOURCES:Cert-repack			Inventory Date	4/30/1995
Local ID	ID-BTO-012TN	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
As-Generated	Material Parameter	Average	Lower	Upper	Category: Defense TRU Waste	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	Source: Source Information Not Compiled	
	Cellulosics	0.00	0.00	0.00		
	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	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-W360.912													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>			<b>Final Form</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>				

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

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Waste Stream Description** There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.

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**Waste Stream Source Description** This waste stream was generated at UNK: UNK. The generating process is: UNK

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**Current Container Comments** N/A

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**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.

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**Acceptance Comments** N/A

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**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.

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TWBIR ID: **IN-Z001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	IN-Z001	Handling	U	Stream Name	RFP Buried TRU Waste at INEEL (Pre-1970)			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	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	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	3.28E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	Unknown		Am-243	2.40E-03
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	Unknown		Np-237	4.73E-05
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A		Pu-238	3.06E-01
	Cellulosics	0.00	0.00	0.00				Pu-239	1.16E+00
	Rubber	0.00	0.00	0.00				Pu-240	3.06E-01
	Plastics	0.00	0.00	0.00				Pu-241	
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	
	Cement (Solidified)	0.00	0.00	0.00				U-233	2.71E-05
	Vitrified	0.00	0.00	0.00				U-234	1.21E-03
	Solidified, Organic Matrix	0.00	0.00	0.00				U-235	9.93E-05
	Soils	0.00	0.00	0.00				U-236	5.13E-05
	Packaging Material, Steel	0.00						U-238	2.10E-03
	Packaging Material, Plastic	0.00							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : IN-Z001													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	55800.0	<b>Projected</b>	0.0	<b>Total</b>	55800.0	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0

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TWBIR ID: IN-Z001

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The INEEL will retrieve approximately 28,600 m<sup>3</sup> 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 m<sup>3</sup> of which is assumed to qualify as TRU waste itself. This totals up to 55,800 m<sup>3</sup> 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 m<sup>3</sup>) 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)

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**Waste Stream Source Description** N/A

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: IN-Z001A

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	INEEL Disposed Irradiated Beryllium Reflector Waste			Inventory Date	9/30/2002
Local ID	New	Waste Type	U	Generator Site	IN	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00
	Other Metal/Alloys	0.00	0.00	0.00
	Other Inorganic Materials	0.00	0.00	0.00
	Cellulosics	0.00	0.00	0.00
	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	0.00		
	Packaging Material, Plastic	0.00		
	Packaging Material, Lead	0.00		
	Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors	TRUCON Codes
Category: N/A	N/A
Residues: N/A	
Asbestos: No	
PCBs: No	
Source: N/A	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Ac-227	7.56E-08
Am-241	1.38E-01
Am-243	7.63E-02
Be	4.52E+00
C-14	3.61E+01
Cl-36	3.44E-01
Cm-243	3.69E-03
Cm-244	1.26E+01
Cm-245	3.85E-03
Cm-246	6.47E-03
Cm-247	4.67E-05
Cm-248	9.09E-06
Co-60	2.23E+03
Cs-137	2.74E+01

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : IN-Z001A													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Not contained	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-Generated	Stored 2.6	Projected 0.0	Total 2.6			Final Form	Stored 0.0	Projected 0.0	Total 0.0				

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TWBIR ID: IN-Z001A

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)	
Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)
Eu-152	2.34E-01	Pu-242	2.60E-01	U-238	1.67E+01
Eu-154	2.31E+01	Pu-244	3.78E-05		
H-3	1.04E+06	Ra-226	5.55E-11		
I-129	3.80E-02	Ra-228	2.82E-08		
Nb-94	8.16E-02	Sr-90	7.55E+00		
Ni-59	5.64E-01	Tc-99	1.17E-01		
Ni-63	1.17E+02	Th-228	2.01E-04		
Np-237	4.57E-03	Th-229	7.60E-07		
Pa-231	1.24E-05	Th-230	3.68E-07		
Pb-210	2.97E-10	U-232	2.98E-04		
Pu-238	1.49E-01	U-233	8.61E-03		
Pu-239	5.06E-01	U-234	5.06E-03		
Pu-240	2.45E-01	U-235	1.50E-03		
Pu-241	1.09E+01	U-236	1.97E-02		

**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

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TWBIR ID: **IN-Z001A**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: KN-B234PCBTRU

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Building 234 PCB TRU Waste			Inventory Date	9/30/2002	
Local ID	B234PCBTRU	Waste Type	MTRU	Generator Site	KN	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5400

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	10.70	0.00	0.00	Residues:	No		Am-241	1.58E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-238	2.68E-03
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	Yes		Pu-239	3.18E-02
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Remediation/D&D Waste		Pu-240	1.07E-02
	Cellulosics	2.10	0.00	0.00				Pu-241	5.63E-02
	Rubber	21.50	0.00	0.00				Pu-242	1.15E-06
	Plastics	2.20	0.00	0.00				Tc-99	7.48E-05
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Th-228	5.05E-07
	Cement (Solidified)	0.00	0.00	0.00				Th-232	8.29E-08
	Vitrified	0.00	0.00	0.00				U-232	5.05E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				U-233	4.55E-05
	Soils	0.00	0.00	0.00				U-234	3.04E-06
	Packaging Material, Steel	0.00						U-235	1.45E-07
	Packaging Material, Plastic	0.00						U-238	1.66E-06
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : KN-B234PCBTRU													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Stored 0.4	Projected 0.2	Total 0.6				Final Form	Stored 0.4	Projected 0.2	Total 0.6			

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TWBIR ID: KN-B234PCBTRU

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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.

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**Waste Stream Source Description** N/A

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**Current Container Comments** All containerized waste requires repackaging for certification & shipment to WIPP.

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**EPA Comments** PCBs - TSCA regulated waste stream

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: LA-OS-00-02

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Isotopic sources waiting determination of eligibility for WIPP disposal.			Inventory Date	9/30/2002
Local ID	OS-00-02	Waste Type	TRU	Generator Site	ZZ	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5100

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Non-defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Pu-238	2.97E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	Yes			
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No			
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A			
	Cellulosics	0.00	0.00	0.00					
	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	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-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected	157.2	Total	157.2	Final Form	Stored	0.0	Projected	157.2	Total	157.2

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Containers waiting assignment to waste streams			Inventory Date	9/30/2002
Local ID	TA-00-01	Waste Type	MTRU	Generator Site	LA	Final Waste Form	N/A	Waste Matrix Code	S9000

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	20.51	0.18	188.42	
Aluminum-Base Metal/Alloys	2.80	0.18	33.06	
Other Metal/Alloys	2.28	0.18	27.86	
Other Inorganic Materials	102.54	0.18	226.84	
Cellulosics	2.22	0.18	10.08	
Rubber	1.16	0.18	5.18	
Plastics	4.59	0.18	67.45	
Solidified, Inorganic Matrix	0.18	0.18	0.18	
Cement (Solidified)	0.00	0.00	0.00	
Vitrified	0.00	0.00	0.00	
Solidified, Organic Matrix	1.09	0.18	16.02	
Soils	0.18	0.18	0.18	
Packaging Material, Steel	131.00			
Packaging Material, Plastic	37.00			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	N/A
Residues:	No	
Asbestos:	Yes	
PCBs:	No	
Source:	N/A	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.88E-04
Cm-244	2.88E-02
Co-60	5.33E-03
Pu-238	3.38E-02
Pu-239	3.98E-03
Pu-240	1.20E-04
Pu-241	2.44E-03
Pu-242	1.46E-08
Ra-226	1.61E-04
U-235	2.12E-10

Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-00-01

As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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)	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	Projected	0.0	Total	76.9	Final Form	Stored	76.9	Projected	0.0	Total	76.9
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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: LA-TA-00-02

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Containers waiting assignment to waste streams			Inventory Date	9/30/2002
Local ID	TA-00-02	Waste Type	MTRU	Generator Site	LA	Final Waste Form	N/A	Waste Matrix Code	S9000

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	34.38	0.18	102.79
	Aluminum-Base Metal/Alloys	0.18	0.18	0.18
	Other Metal/Alloys	0.18	0.18	0.18
	Other Inorganic Materials	8.85	0.18	26.20
	Cellulosics	13.01	0.18	31.70
	Rubber	0.18	0.18	0.18
	Plastics	14.49	0.18	43.11
	Solidified, Inorganic Matrix	4.06	0.18	11.81
	Cement (Solidified)	0.00	0.00	0.00
	Vitrified	0.00	0.00	0.00
	Solidified, Organic Matrix	0.18	0.18	0.18
	Soils	17.62	0.18	52.51
	Packaging Material, Steel	0.78		
	Packaging Material, Plastic	1.68		
	Packaging Material, Lead	0.00		
	Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors	TRUCON Codes
Category: Defense TRU Waste	N/A
Residues: No	
Asbestos: Yes	
PCBs: No	
Source: N/A	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.16E-04
Am-243	8.40E-09
Cf-251	1.39E-07
Cs-137	1.45E-09
Np-237	2.39E-08
Pb-210	1.54E-08
Pu-238	1.89E-02
Pu-239	3.05E-03
Pu-240	5.09E-04
Pu-241	8.15E-03
Pu-242	3.87E-08
Pu-244	1.51E-08
Ra-226	1.20E-10
U-233	4.52E-10

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-00-02													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
30 gal	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
55 Gallon Drum	8.1	0.0	0.0	0.0	0.0	8.1	0.1	0.0	0.0	0.0	0.0	0.0	
FRP Box	65.2	0.0	0.0	0.0	0.0	65.2	8.1	0.0	0.0	0.0	0.0	8.1	
Other (large)	26.0	0.0	0.0	0.0	0.0	26.0	65.2	0.0	0.0	0.0	0.0	65.2	
Other (small)	0.1	0.0	0.0	0.0	0.0	0.1	26.0	0.0	0.0	0.0	0.0	26.0	
RH Can (2 gal)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	
Standard Waste Box	5.7	0.0	0.0	0.0	0.0	5.7	0.0	0.0	0.0	0.0	0.0	0.0	
<b>As-Generated</b>	<b>Stored</b> 105.2	<b>Projected</b> 0.0	<b>Total</b> 105.2			<b>Final Form</b>	<b>Stored</b> 105.2	<b>Projected</b> 0.0	<b>Total</b> 105.2				

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides  
(Continued)

Isotope	Typical Concentration (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

**Current Container Comments** N/A

**EPA Comments** assumed mixed but codes unknown

**Management Comments** Former WS IDs: LAM001, LAM005, LAM009, LAT004, LAT005, LAT006, LAT009, and LATR07; also contains containers not previously associated with an identified BIR WS

**Acceptance Comments** N/A

**Final Form Comments** N/A

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Containers waiting assignment to waste streams			Inventory Date	9/30/2002
Local ID	TA-00-03	Waste Type	MTRU	Generator Site	LA	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	38.00	0.67	159.23	Residues:	No		Am-241	4.66E-03
	Aluminum-Base Metal/Alloys	7.00	0.18	28.73	Asbestos:	Yes		Cm-244	2.75E-01
	Other Metal/Alloys	5.42	0.18	21.59	PCBs:	No		Pu-238	2.55E-01
	Other Inorganic Materials	4.47	0.67	20.22	Source:	N/A		Pu-239	5.61E-02
	Cellulosics	9.87	0.18	23.20				Pu-240	1.21E-02
	Rubber	4.69	0.18	10.71				Pu-241	3.17E-01
	Plastics	15.92	0.18	37.98				Pu-242	2.78E-06
	Solidified, Inorganic Matrix	11.41	0.18	94.78					
	Cement (Solidified)	0.00	0.00	0.00					
	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							

Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-00-03													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
55 Gallon Drum	7.1	0.0	0.0	0.0	0.0	7.1		0.0	0.0	0.0	0.0	0.0	0.0
85 Gal	0.6	0.0	0.0	0.0	0.0	0.6	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
<b>As-Generated</b>	<b>Stored</b>	<b>7.7</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>7.7</b>	<b>Final Form</b>	<b>Stored</b>	<b>7.7</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>7.7</b>

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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



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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Containers waiting assignment to waste streams			Inventory Date	9/30/2002
Local ID	TA-00-04	Waste Type	MTRU	Generator Site	LA	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	1.48E-06
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	Yes		Pu-238	1.01E-02
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	1.88E-03
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A		Pu-240	4.12E-04
	Cellulosics	0.00	0.00	0.00				Pu-241	8.64E-03
	Rubber	0.00	0.00	0.00				Pu-242	6.31E-08
	Plastics	0.00	0.00	0.00				U-235	5.79E-11
	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-TA-00-04													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	213.0	<b>Projected</b>	0.0	<b>Total</b>	213.0	<b>Final Form</b>	<b>Stored</b>	213.0	<b>Projected</b>	0.0	<b>Total</b>	213.0

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** Containers waiting assignment to waste streams

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**Waste Stream Source Description** N/A

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**Current Container Comments** N/A

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**EPA Comments** assumed mixed but codes unknown

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**Management Comments** Former WS IDs: LAM001, LAM005, LAM009, LAT005, and LAT009.

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Containers waiting assignment to waste streams			Inventory Date	9/30/2002
Local ID	TA-00-05	Waste Type	MTRU	Generator Site	LA	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.18	0.18	0.18	Residues:	No		Am-241	3.18E-03
	Aluminum-Base Metal/Alloys	0.18	0.18	0.18	Asbestos:	Yes		Pu-238	2.72E-03
	Other Metal/Alloys	0.18	0.18	0.18	PCBs:	No		Pu-239	7.35E-04
	Other Inorganic Materials	0.18	0.18	0.18	Source:	N/A		Pu-240	1.57E-04
	Cellulosics	0.18	0.18	0.18				Pu-241	2.41E-03
	Rubber	0.18	0.18	0.18				Pu-242	9.87E-09
	Plastics	0.78	0.72	0.84				U-234	1.85E-08
	Solidified, Inorganic Matrix	77.74	69.92	85.56				U-235	9.11E-10
	Cement (Solidified)	0.00	0.00	0.00				U-238	1.73E-08
	Vitrified	0.00	0.00	0.00					
	Solidified, Organic Matrix	377.46	333.95	420.96					
	Soils	53.09	45.01	61.16					
	Packaging Material, Steel	0.18							
	Packaging Material, Plastic	1.47							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-00-05													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	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	5.5
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	21.6
							Other (large)	390.6	0.0	0.0	0.0	0.0	390.6
<b>As-Generated</b>	<b>Stored</b>	<b>417.8</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>417.8</b>	<b>Final Form</b>	<b>Stored</b>	<b>417.8</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>417.8</b>

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: LA-TA-00-06

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Containers waiting assignment to waste streams			Inventory Date	9/30/2002
Local ID	TA-00-06	Waste Type	MTRU	Generator Site	LA	Final Waste Form	N/A	Waste Matrix Code	S9000

EPA Codes
As-Generated
D005, D006, D007, D008, D009, D011, D019, D021, D022, D039, D040, F002, F003

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	77.88	0.18	230.19	
Aluminum-Base Metal/Alloys	0.18	0.18	0.18	
Other Metal/Alloys	0.18	0.18	0.18	
Other Inorganic Materials	12.90	0.18	88.05	
Cellulosics	2.08	0.18	13.90	
Rubber	0.18	0.18	0.18	
Plastics	6.40	0.18	41.11	
Solidified, Inorganic Matrix	0.18	0.18	0.18	
Cement (Solidified)	0.00	0.00	0.00	
Vitrified	0.00	0.00	0.00	
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			

Final Waste Form Descriptors		TRUCON Codes
Category:	Non-defense TRU Waste	N/A
Residues:	No	
Asbestos:	Yes	
PCBs:	No	
Source:	N/A	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.61E-03
Pu-238	2.40E+00
Pu-239	3.28E-03
Pu-240	1.52E-03
Pu-241	7.86E-02
Pu-242	8.08E-07
U-235	2.84E-07
U-238	1.10E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-00-06													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
55 Gallon Drum	33.3	0.0	0.0	0.0	0.0	33.3	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	Standard Waste Box	11.4	0.0	0.0	0.0	0.0	11.4
<b>As-Generated</b>	<b>Stored</b> 44.7	<b>Projected</b> 0.0	<b>Total</b> 44.7				<b>Final Form</b>	<b>Stored</b> 44.7	<b>Projected</b> 0.0	<b>Total</b> 44.7			

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TWBIR ID: LA-TA-00-06

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: LA-TA-00-07

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Containers waiting assignment to waste streams			Inventory Date	9/30/2002
Local ID	TA-00-07	Waste Type	MTRU	Generator Site	LA	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	
As-Generated D040	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
	Iron-Base Metal/Alloys	11.32	0.18	125.69	Residues:	No		Am-241	2.18E-02
	Aluminum-Base Metal/Alloys	1.08	0.18	17.07	Asbestos:	Yes		Co-60	7.18E-08
	Other Metal/Alloys	1.01	0.18	12.85	PCBs:	No		Cs-137	6.78E-05
	Other Inorganic Materials	18.74	0.18	94.00	Source:	N/A		Pu-238	2.88E-01
	Cellulosics	12.16	0.18	27.42				Pu-239	3.57E-02
	Rubber	5.61	0.18	12.44				Pu-240	4.69E-03
	Plastics	30.40	4.05	68.40				Pu-241	8.45E-02
	Solidified, Inorganic Matrix	0.18	0.18	0.18				Pu-242	4.62E-07
	Cement (Solidified)	0.00	0.00	0.00				U-234	6.58E-05
	Vitrified	0.00	0.00	0.00				U-235	1.63E-06
	Solidified, Organic Matrix	0.18	0.18	0.18				U-238	6.94E-08
	Soils	0.56	0.18	9.41					
	Packaging Material, Steel	3.48							
	Packaging Material, Plastic	2.04							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : LA-TA-00-07													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Drum / 55 gallon	14.1	0.0	0.0	0.0	0.0	14.1		0.0	0.0	0.0	0.0	0.0	0.0
Other (large)	3.7	0.0	0.0	0.0	0.0	3.7	55 Gallon Drum	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
<b>As-Generated</b>	<b>Stored</b>	<b>17.8</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>17.8</b>	<b>Final Form</b>	<b>Stored</b>	<b>17.8</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>17.8</b>

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TWBIR ID: LA-TA-00-07

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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



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TWBIR ID: LA-TA-03-29

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Plutonium contaminated soil (non-mixed)			Inventory Date	9/30/2002
Local ID	TA-03-29	Waste Type	TRU	Generator Site	LA	Final Waste Form	Soils	Waste Matrix Code	S4100

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	1.15	1.15	1.15	Residues:	No		Am-241	6.87E-01
	Aluminum-Base Metal/Alloys	0.45	0.45	0.45	Asbestos:	No		Pu-238	2.73E+04
	Other Metal/Alloys	0.50	0.50	0.50	PCBs:	No		Pu-239	1.12E+01
	Other Inorganic Materials	0.18	0.18	1.15	Source:	N/A		Pu-240	2.57E+00
	Cellulosics	2.43	2.43	2.43				Pu-241	3.86E+01
	Rubber	1.27	1.27	1.27				Pu-242	1.05E-03
	Plastics	3.56	3.56	3.56					
	Solidified, Inorganic Matrix	14.47	14.47	14.47					
	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-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.4			Final Form	Stored 0.4	Projected 0.0	Total 0.4				

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TWBIR ID: LA-TA-03-29

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: LA-TA-55-52

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Oil on vermiculite, corrosive waste not for disposal at WIPP (mixed).			Inventory Date	9/30/2002	
Local ID	TA-55-52	Waste Type	MTRU	Generator Site	LA	Final Waste Form	Solidified Organics		Waste Matrix Code	S3200

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Unknown	N/A	
N/A	Iron-Base Metal/Alloys	0.18	0.18	0.18	Residues:	No		
	Aluminum-Base Metal/Alloys	0.18	0.18	0.18	Asbestos:	No		
	Other Metal/Alloys	0.18	0.18	0.18	PCBs:	No		
	Other Inorganic Materials	0.18	0.18	0.18	Source:	N/A		
	Cellulosics	0.18	0.18	0.18				
	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-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.6	<b>Projected</b> 0.0	<b>Total</b> 0.6			<b>Final Form</b>	<b>Stored</b> 0.6	<b>Projected</b> 0.0	<b>Total</b> 0.6				

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TWBIR ID: LA-TA-55-52

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** Oil on vermiculite, corrosive waste not for disposal at WIPP (mixed).

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**Waste Stream Source Description** N/A

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**Current Container Comments** N/A

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**EPA Comments** assumed mixed but codes unknown

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**Management Comments** Contains containers not previously associated with an identified BIR WS

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: **LB-T001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	LB-T001	Handling	CH	Stream Name	LBL - Waste			Inventory Date	5/31/1995
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris		
Waste Matrix Code		N/A							

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Non-Defense TRU Waste	UNK	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	390.00	40.00	800.00	Residues:	No		Am-241	9.32E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Am-243	3.85E-02
	Other Metal/Alloys	425.00	50.00	850.00	PCBs:	No		Cf-249	3.16E-03
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Cf-250	4.81E-05
	Cellulosics	150.00	60.00	200.00				Cm-244	1.19E-01
	Rubber	0.00	0.00	0.00				Es-253	4.81E-04
	Plastics	450.00	150.00	600.00				Es-254	5.29E-03
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-238	2.54E-04
	Cement (Solidified)	0.00	0.00	0.00				Pu-240	5.05E-03
	Vitrified	0.00	0.00	0.00				Pu-242	1.01E-02
	Solidified, Organic Matrix	150.00	50.00	250.00				Ra-226	3.38E-02
	Soils	0.00	0.00	0.00				U-233	4.81E-03
	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 : LB-T001													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Drum / 55-gallon	0.6	0.2	0.4	0.2	0.0	1.7	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	1.7
<b>As-Generated</b>	<b>Stored</b> 0.6	<b>Projected</b> 1.0	<b>Total</b> 1.7				<b>Final Form</b>	<b>Stored</b> 0.6	<b>Projected</b> 1.0	<b>Total</b> 1.7			

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TWBIR ID: **LB-T001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Waste Stream Description** Transuranic wastes with isotopes only

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**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.

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**Current Container Comments** N/A

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**EPA Comments** Data of regulated contaminant characteristics is solely provided by generators. No laboratory chemical analysis has been performed to verify these data.

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: PA-B015

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	PA-B015	Handling	CH	Stream Name	Transuranic and Technetium Wastes - Liquid			Inventory Date	9/30/2002
Local ID	PA-B015	Waste Type	MTRU	Generator Site	PA	Final Waste Form	N/A	Waste Matrix Code	L1190

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated D002, D007	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
	Iron-Base Metal/Alloys	59.00	0.00	0.00	Residues:	No		Np-237	4.56E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	1.66E-01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Tc-99	3.79E+00
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Other/Multiple Sources			
	Cellulosics	0.00	0.00	0.00					
	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							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : PA-B015													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 2.4			Final Form	Stored 2.5	Projected 0.0	Total 2.5				

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TWBIR ID: PA-B015

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	Transuranic and Technitium waste class C Liquid
<b>Waste Stream Source Description</b>	C-400
<b>Current Container Comments</b>	tbrown Assumed internal volume of Drum/55-gallon in overpack is 0.30 m3.
<b>EPA Comments</b>	N/A
<b>Management Comments</b>	N/A
<b>Acceptance Comments</b>	N/A
<b>Final Form Comments</b>	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.



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Annex I

TWBIR ID: PA-W014

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	PA-W014	Handling	CH	Stream Name	Transuranic Waste Liquid			Inventory Date	9/30/2002
Local ID	PA-W014	Waste Type	MTRU	Generator Site	PA	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
As-Generated	Material Parameter	Average	Lower	Upper	Category:		
D002	Iron-Base Metal/Alloys	0.00	0.00	0.00	Defense TRU Waste	N/A	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No	
	Other Metal/Alloys	0.00	0.00	0.00	Asbestos:	No	
	Other Inorganic Materials	0.00	0.00	0.00	PCBs:	No	
	Cellulosics	0.00	0.00	0.00	Source:	Other/Multiple Sources	
	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 : PA-W014													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	<b>Projected</b>	<b>Total</b>				<b>Final Form</b>	<b>Stored</b>	<b>Projected</b>	<b>Total</b>			
	0.3	0.0	0.3					0.4	0.0	0.4			

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TWBIR ID: PA-W014

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	Transuranic Waste Basic class C Green Sludge
<b>Waste Stream Source Description</b>	C -400
<b>Current Container Comments</b>	tbrown Assumed internal volume of Drum/55-gallon in overpack is 0.30 m3.
<b>EPA Comments</b>	N/A
<b>Management Comments</b>	N/A
<b>Acceptance Comments</b>	N/A
<b>Final Form Comments</b>	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.

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TWBIR ID: RF-MT0375A

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W026	Handling	CH	Stream Name	Used Absorbents/TRM			Inventory Date	9/30/2002
Local ID	IDC 375	Waste Type	MTRU	Generator Site	RF	Final Waste Form	Solidified Organics		
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		No Final Form Radionuclides Provided

<b>As-Generated</b>
F001, F002, TBD

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	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
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	0.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Category:	Defense TRU Waste	122
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	Facility/Equipment Operation and Maintenance Waste	

Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0375A													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0

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TWBIR ID: RF-MT0375A

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** This waste form is vermiculite with absorbed organic liquid.

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**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.

---

**Current Container Comments** 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

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0375B

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W026	Handling	CH	Stream Name	Used Absorbents/TRM			Inventory Date	9/30/2002
Local ID	IDC 375	Waste Type	MTRU	Generator Site	RF	Final Waste Form	Solidified Organics		
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		No Final Form Radionuclides Provided

<b>As-Generated</b>
F001, F002, TBD

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	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
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	0.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Category:	Defense TRU Waste	122
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	Facility/Equipment Operation and Maintenance Waste	

Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0375B													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0

# Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0375B

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**Waste Stream Description** This waste form is vermiculite 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.

---

**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** 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."

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0503

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-MT0503	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RF	Final Waste Form	N/A		Waste Matrix Code	TBD

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	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/A		
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	N/A		
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A		
	Cellulosics	0.00	0.00	0.00				
	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	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-MT0503													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Bottle / 2-Liter	0.0	0.0	0.0	0.0	0.0	0.0	55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7
Drum / 55 gallon	1.5	0.0	0.0	0.0	0.0	1.5							
<b>As-Generated</b>	<b>Stored</b>	<b>Projected</b>	<b>Total</b>				<b>Final Form</b>	<b>Stored</b>	<b>Projected</b>	<b>Total</b>			
	1.5	0.0	1.5					1.7	0.0	1.7			

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TWBIR ID: RF-MT0503

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

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



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TWBIR ID: RF-MT0505

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-MT0505	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RF	Final Waste Form	N/A		Waste Matrix Code	TBD

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	
F001, F002, F005, F006, F007, F009	Iron-Base Metal/Alloys	0.00	0.00	0.00	Defense TRU Waste	N/A
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Residues:	N/A
	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				

Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0505													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>				<b>Final Form</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>			

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TWBIR ID: **RF-MT0505**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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

---

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TWBIR ID: RF-MT0529

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-MT0529	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	RF	Final Waste Form	N/A		

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	
D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D022, D027, D028, D029, D034, D039, D040, D043, F001, F002, F003, F005, F006, F007, F009	Iron-Base Metal/Alloys	0.00	0.00	0.00	Defense TRU Waste	N/A
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Residues:	N/A
	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					

Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0529													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>			<b>Final Form</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>				

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0529

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**Waste Stream Description** N/A

---

**Waste Stream Source Description** N/A

---

**Current Container Comments** 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

---

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0533

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-MT0533	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RF	Final Waste Form	N/A		Waste Matrix Code	TBD

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	
D007, D010, D022, D028, D029, D043, F001, F002, F005	Iron-Base Metal/Alloys	0.00	0.00	0.00	Defense TRU Waste	N/A
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Residues:	N/A
	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				

Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0533													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.1	<b>Projected</b> 0.0	<b>Total</b> 0.1			<b>Final Form</b>	<b>Stored</b> 3.1	<b>Projected</b> 0.0	<b>Total</b> 3.1				

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TWBIR ID: **RF-MT0533**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0535

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-MT0535	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RF	Final Waste Form	N/A		Waste Matrix Code	TBD

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	
D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F003, F005	Iron-Base Metal/Alloys	0.00	0.00	0.00	Defense TRU Waste	N/A
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Residues:	N/A
	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				

Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0535													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 0.0	<b>Total</b> 0.0			<b>Final Form</b>	<b>Stored</b> 0.6	<b>Projected</b> 0.0	<b>Total</b> 0.6				

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0535

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**Waste Stream Description** N/A

---

**Waste Stream Source Description** N/A

---

**Current Container Comments** 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

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Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0828

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W013	Handling	CH	Stream Name	Solidified Organics/TRM			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RF	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S3190

**EPA Codes**

<b>As-Generated</b>
D004, D005, D009, D010, F001, F002, F005, F006, F007, F009, P030, P098, P099, P106, U003, U103, U108

**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	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
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	0.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

**Final Waste Form Descriptors**

Category:	Defense TRU Waste	TRUCON Codes	127
Residues:	N/A		
Asbestos:	N		
PCBs:	N		
Source:	Decontamination and Decommissioning		

**No Final Form Radionuclides Provided**

**Waste Volume Detail (Cubic meters) for TWBIR ID : RF-MT0828**

As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0

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TWBIR ID: RF-MT0828

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**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

---

**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."

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**EPA Comments** EPA hazardous waste numbers are assigned to this waste stream based on process knowledge.

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**Management Comments** New Waste Stream being added to TWBIR

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**Acceptance Comments** N/A

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**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."

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0829

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W013	Handling	CH	Stream Name	Solidified Organics/TRM			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	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	
<b>As-Generated</b> D004, D005, D009, D010, F001, F002, F005, F006, F007, F009	<b>Material Parameter</b>	<b>Average</b>	<b>Lower</b>	<b>Upper</b>	<b>Category:</b> Defense TRU Waste	127	
	Iron-Base Metal/Alloys	0.00	0.00	0.00	<b>Residues:</b> N/A		
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	<b>Asbestos:</b> N		
	Other Metal/Alloys	0.00	0.00	0.00	<b>PCBs:</b> N		
	Other Inorganic Materials	0.00	0.00	0.00	<b>Source:</b> Decontamination and Decommissioning		
	Cellulosics	0.00	0.00	0.00			
	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	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-MT0829													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0

# Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RF-MT0829

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	Polymerized aqueous - small cans consists of small quantities of aqueous liquids solidified with polymer such as Nochar A-660.
<b>Waste Stream Source Description</b>	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."
<b>EPA Comments</b>	EPA hazardous waste numbers are assigned to this waste stream based on process knowledge.
<b>Management Comments</b>	New Waste Stream being added to TWBIR
<b>Acceptance Comments</b>	N/A
<b>Final Form 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."

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TWBIR ID: RF-TT0394

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W116	Handling	CH	Stream Name	"Sand, Slag, and Crucible/TRU"			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	RF	Final Waste Form	Inorganic Non-Metal	Waste Matrix Code	S5129

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	122	
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	Asbestos:	N		
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	N		
	Other Inorganic Materials	25.48	4.30	45.83	Source:	Materials Production		
	Cellulosics	167.07	167.07	167.07				
	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-TT0394													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected	0.0	Total	0.0	Final Form	Stored	0.0	Projected	0.0	Total	0.0

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TWBIR ID: RF-TT0394

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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."

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**Waste Stream Source Description** N/A

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**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."

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**EPA Comments** N/A

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**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).

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**Acceptance Comments** N/A

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**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."

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TWBIR ID: RF-TT0533

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-TT0533	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	RF	Final Waste Form	N/A		Waste Matrix Code	TBD

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	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/A		
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	N/A		
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A		
	Cellulosics	0.00	0.00	0.00				
	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	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-TT0533													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 0.0	<b>Total</b> 0.0			<b>Final Form</b>	<b>Stored</b> 0.8	<b>Projected</b> 0.0	<b>Total</b> 0.8				

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TWBIR ID: **RF-TT0533**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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



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TWBIR ID: RF-TT0655

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W114	Handling	CH	Stream Name	Mg Oxide Crucibles/TRU			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	RF	Final Waste Form	Inorganic Non-Metal	Waste Matrix Code	S5123

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	118	
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	PCBs:	N/A		
	Other Inorganic Materials	113.57	1.91	654.91	Source:	N/A		
	Cellulosics	102.83	12.89	167.07				
	Rubber	0.00	0.00	0.00				
	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						
	Packaging Material, Lead	0.00						
	Packaging Material, Steel Plug	0.00						

Waste Volume Detail (Cubic meters) for TWBIR ID : RF-TT0655													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected	0.0	Total	0.0	Final Form	Stored	0.0	Projected	0.0	Total	0.0

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TWBIR ID: RF-TT0655

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	N/A
<b>Waste Stream Source Description</b>	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."
<b>EPA Comments</b>	N/A
<b>Management Comments</b>	N/A
<b>Acceptance Comments</b>	N/A
<b>Final Form 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."

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TWBIR ID: RF-TT0971

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W109	Handling	CH	Stream Name	Metal/TRU			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	RF	Final Waste Form	Uncategorized Metal		Waste Matrix Code	S5110

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	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	Source:	General Building Waste and Decommissioning		
	Cellulosics	0.00	0.00	0.00				
	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	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							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected	0.0	Total	0.0	Final Form	Stored	0.0	Projected	0.0	Total	0.0

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TWBIR ID: RF-TT0971

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** Non-PCB ballasts and capacitors.

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**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** N/A

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**Management Comments** New Waste Stream being added to TWBIR

---

**Acceptance Comments** N/A

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**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."

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TWBIR ID: RF-TT0972

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W107	Handling	CH	Stream Name	Soil and Cleanup Debris/TRU			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	RF	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5440

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	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:	Y		
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Decontamination and Decommissioning		
	Cellulosics	0.00	0.00	0.00				
	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	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-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected	0.0	Total	0.0	Final Form	Stored	0.0	Projected	0.0	Total	0.0

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TWBIR ID: RF-TT0972

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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

---

**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** N/A

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**Management Comments** New Waste Stream being added to TWBIR

---

**Acceptance Comments** N/A

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**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."

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TWBIR ID: RF-TT0973

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RF-W109	Handling	CH	Stream Name	Metal/TRU			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	RF	Final Waste Form	Uncategorized Metal		Waste Matrix Code	S5110

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	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:	Y		
	Other Inorganic Materials	0.00	0.00	0.00	Source:	General Building Waste and Decommissioning		
	Cellulosics	0.00	0.00	0.00				
	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	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-TT0973													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.0			Final Form	Stored 0.0	Projected 0.0	Total 0.0				

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TWBIR ID: RF-TT0973

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** "This waste stream consists of PCB ballasts and capacitors, leaking and non-leaking."

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**Waste Stream Source Description** N/A

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**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."

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**EPA Comments** N/A

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**Management Comments** New Waste Stream being added to TWBIR

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**Acceptance Comments** N/A

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**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."



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TWBIR ID: RL-W284

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W284	Handling	CH	Stream Name	201C Unk form CH RCRA MTRU w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	Final Waste Form	N/A	Waste Matrix Code	U9999

EPA Codes	
As-Generated	
D007, D008, D010	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	41.00	0.00	0.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	3.10	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	17.20	0.00	0.00	
Rubber	4.50	0.00	0.00	
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			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	N/A
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	Remediation/D&D Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.47E+00
Pu-239	1.00E-02
Pu-240	0.00E+00
Pu-241	8.00E-02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W284													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.4</b>	<b>Projected 0.0</b>	<b>Total 0.4</b>			<b>Final Form</b>	<b>Stored 0.4</b>	<b>Projected 0.0</b>	<b>Total 0.4</b>				

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TWBIR ID: RL-W284

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** THE STREAM CONTAINS PLASTIC/POLYURETHANE, STAINLESS STEEL, PAPER/CARDBOARD, RUBBER, LEAD, CLOTH/RAGS/NYLON.

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**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.

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**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**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.

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: RL-W327

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W327	Handling	CH	Stream Name	2345Z Uncat met debris CH RC/TS MTRU w/ met(Hg)			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5400

EPA Codes	
As-Generated	
D006, D008, D009	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	198.10	0.00	0.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	21.70	0.00	0.00	
Other Inorganic Materials	16.70	0.00	0.00	
Cellulosics	3.30	0.00	0.00	
Rubber	0.00	0.00	0.00	
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	
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			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

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

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	8.00E-02
Pu-239	1.86E+00
Pu-240	4.20E-01
Pu-241	1.25E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W327													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Box	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
<b>As-Generated</b>	<b>Stored</b> 66.6	<b>Projected</b> 386.3	<b>Total</b> 452.9				<b>Final Form</b>	<b>Stored</b> 66.2	<b>Projected</b> 109.6	<b>Total</b> 175.8			

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TWBIR ID: RL-W327

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** THE STREAM CONTAINS METAL/IRON/GALVANIZED/SHEET, PLASTIC/POLYURETHANE, WOOD/LUMBER/PLYWOOD, LEAD, CONCRETE, GLASS, CLOTH/RAGS/NYLON, OILS, PAPER/CARDBOARD.

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**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.

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**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**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.

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: RL-W328

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W328	Handling	CH	Stream Name	2345Z Pb/Cd debris CH RC/TS MTRU w/ met(Hg)			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	Final Waste Form	Lead/Cadmium Metal	Waste Matrix Code	S5300

EPA Codes	
As-Generated	
D006, D008, D009	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	58.00	0.00	0.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	228.20	0.00	0.00	
Other Inorganic Materials	2.80	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
Rubber	0.00	0.00	0.00	
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			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

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

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	8.00E-02
Pu-239	1.86E+00
Pu-240	4.20E-01
Pu-241	1.25E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W328													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 3.2</b>	<b>Projected 0.0</b>	<b>Total 3.2</b>					<b>Final Form</b>	<b>Stored 3.8</b>	<b>Projected 0.0</b>	<b>Total 3.8</b>		

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TWBIR ID: RL-W328

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**Waste Stream Description** THE STREAM CONTAINS PLASTIC/POLYURETHANE, LEAD, METAL/IRON/GALVANIZED/SHEET, GLASS.

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**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.

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**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**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.

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: RL-W329

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W329	Handling	CH	Stream Name	2345Z Solidif org CH RC/TS MTRU w/ ign			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	Final Waste Form	Solidified Organics		Waste Matrix Code	U9999

EPA Codes	
As-Generated	
D001	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	0.20	0.00	0.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	84.20	0.00	0.00	
Rubber	4.70	0.00	0.00	
Plastics	71.30	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			

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

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	8.00E-02
Pu-239	1.86E+00
Pu-240	4.20E-01
Pu-241	1.25E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W329													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 2.1	<b>Projected</b> 8.4	<b>Total</b> 10.5				<b>Final Form</b>	<b>Stored</b> 2.1	<b>Projected</b> 8.3	<b>Total</b> 10.4			

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TWBIR ID: RL-W329

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	THE STREAM CONTAINS PLASTIC/POLYURETHANE, ORGANICS, CLOTH/RAGS/NYLON, RUBBER, METAL/IRON/GALVANIZED/SHEET.
<b>Waste Stream Source Description</b>	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
<b>EPA Comments</b>	Data are compiled from waste manifest data on each container of TRU waste.
<b>Management Comments</b>	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.
<b>Acceptance Comments</b>	N/A
<b>Final Form Comments</b>	N/A



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TWBIR ID: RL-W332

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W332	Handling	CH	Stream Name	2345Z Unk form CH St MTRU			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	8.00E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	1.86E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-240	4.20E-01
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-241	1.25E+01
	Cellulosics	0.00	0.00	0.00					
	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	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-W332													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Stored 0.2	Projected 0.0	Total 0.2			Final Form	Stored 1.9	Projected 0.0	Total 1.9				

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TWBIR ID: RL-W332

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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.

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**Waste Stream Source Description** This stream is unknown waste form contact handled State regulated mixed TRU waste from the Plutonium Recovery and Processing Facility.

---

**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**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.

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: RL-W333

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W333	Handling	CH	Stream Name	2345Z Solidif org debris CH TSCA MTRU			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	Final Waste Form	Solidified Organics		Waste Matrix Code	S5400

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	8.00E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	1.86E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	Yes		Pu-240	4.20E-01
	Other Inorganic Materials	56.30	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-241	1.25E+01
	Cellulosics	4.80	0.00	0.00					
	Rubber	1.30	0.00	0.00					
	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							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W333													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 2.5	Total 3.8				Final Form	Stored 1.2	Projected 2.5	Total 3.7			

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TWBIR ID: RL-W333

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	THE STREAM CONTAINS ABSORBENT/KITY LTR/VERMICULITE, PLASTIC/POLYURETHANE, CONWEB PADS, OILS, CLOTH/RAGS/NYLON, DIRT/SOIL/DIATOMACEOUS EARTH, RUBBER, PCB.
<b>Waste Stream Source Description</b>	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
<b>EPA Comments</b>	Data are compiled from waste manifest data on each container of TRU waste.
<b>Management Comments</b>	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.
<b>Acceptance Comments</b>	N/A
<b>Final Form Comments</b>	N/A

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TWBIR ID: RL-W334

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W334	Handling	CH	Stream Name	2345Z Uncat mt debris CH TSCA MTRU			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5400

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	261.90	0.00	0.00	Residues:	No		Am-241	8.00E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	1.86E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	Yes		Pu-240	4.20E-01
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-241	1.25E+01
	Cellulosics	0.00	0.00	0.00					
	Rubber	0.00	0.00	0.00					
	Plastics	76.20	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							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W334													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.2	Projected 0.0	Total 0.2				

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TWBIR ID: RL-W334

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** THE STREAM CONTAINS METAL/IRON/GALVANIZED/SHEET, PLASTIC/POLYURETHANE, CONWEB PADS, DIRT/SOIL/DIATOMACEOUS EARTH.

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**Waste Stream Source Description** This stream is uncategorized metal contact handled TSCA (PCB) regulated mixed TRU waste from the Plutonium Recovery and Processing Facility.

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**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**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.

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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Annex I

TWBIR ID: RL-W357

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W357	Handling	CH	Stream Name	KAPL Unk form CH/r TRU			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	RL	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	0.00E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	0.00E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-240	0.00E+00
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-241	0.00E+00
	Cellulosics	0.00	0.00	0.00					
	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	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-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.2	Projected 0.0	Total 0.2				

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TWBIR ID: RL-W357

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** THIS STREAM CONTAINS CHEMICALS.

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**Waste Stream Source Description** This stream is unknown waste form contact handled packaged remote non-mixed TRU waste from the Knolls Atomic Power Laboratory.

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**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: RL-W366

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W366	Handling	CH	Stream Name	202A Unk form CH TRU			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	RL	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	1.00E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	5.70E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-240	1.32E+00
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-241	4.05E+01
	Cellulosics	0.00	0.00	0.00					
	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	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-W366													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.8	Total 2.3				Final Form	Stored 1.5	Projected 0.8	Total 2.3			

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TWBIR ID: RL-W366

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** THIS STREAM CONTAINS MISCELLANEOUS/UNKNOWN/OTHER.

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**Waste Stream Source Description** This stream is unknown waste form contact handled non-mixed TRU waste from the Fuel Reprocessing Facility.

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**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: RL-W382

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W382	Handling	CH	Stream Name	2345Z Unk form CH TRU			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	RL	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	9.00E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	3.37E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-240	7.60E-01
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-241	2.11E+01
	Cellulosics	0.00	0.00	0.00					
	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	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-W382													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 61.4	Total 80.2				Final Form	Stored 18.7	Projected 61.4	Total 80.1			

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TWBIR ID: RL-W382

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**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.

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**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: RL-W391

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W391	Handling	CH	Stream Name	308 Comb unk form CH TRU			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	RL	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	76.40	0.00	0.00	Residues:	No		Am-241	2.50E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	3.56E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-240	9.00E-01
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-241	2.20E+01
	Cellulosics	120.10	0.00	0.00					
	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	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-W391													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.4			Final Form	Stored 0.4	Projected 0.0	Total 0.4				

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TWBIR ID: RL-W391

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** THIS STREAM CONTAINS ORGANICS, METAL/IRON/GALVANIZED/SHEET.

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**Waste Stream Source Description** This stream is combustible contact handled non-mixed TRU waste from the Fuels Development Laboratory

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**Current Container Comments** N/A

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**EPA Comments** Data are compiled from waste manifest data on each container of TRU waste.

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** N/A

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TWBIR ID: RL-W471

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W471	Handling	CH	Stream Name	202A MTRU CH unknown forms S9000 Mixed RCRA w/ org,met,Hg			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	S9000

EPA Codes	
As-Generated	
N/A	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	0.03	0.02	0.05	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	167.21	88.89	335.30	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
Rubber	0.00	0.00	0.00	
Plastics	0.44	0.44	2.64	
Solidified, Inorganic Matrix	72.05	72.00	72.06	
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			
Packaging Material, Plastic	37.00			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste 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 Concentration (Ci/m3)
Am-241	1.02E+00
Pu-238	3.00E-03
Pu-239	3.60E-02
Pu-240	8.23E-03
Pu-241	1.04E-01
Pu-242	5.04E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W471													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 1.9			Final Form	Stored 1.9	Projected 0.0	Total 1.9				

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TWBIR ID: RL-W471

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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



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TWBIR ID: RL-W472

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W472	Handling	CH	Stream Name	202A MTRU CH unknown forms S9000 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	S9000

<b>EPA Codes</b>
As-Generated
N/A

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	0.00	0.00	0.00	
Other Inorganic Materials	192.00	192.00	192.00	
Cellulosics	0.00	0.00	0.00	
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	131.00			
Packaging Material, Plastic	37.00			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

<b>Final Waste Form Descriptors</b>	<b>TRUCON Codes</b>
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 Concentration (Ci/m3)
Am-241	1.23E-01
Pu-238	3.72E-02
Pu-239	1.41E+00
Pu-240	3.15E-01
Pu-241	4.44E+00
Pu-242	1.90E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W472													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.2	<b>Projected</b> 0.0	<b>Total</b> 0.2				<b>Final Form</b>	<b>Stored</b> 0.2	<b>Projected</b> 0.0	<b>Total</b> 0.2			

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W473

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W473	Handling	RH	Stream Name	202A TRU RH solidified inorganic S3119 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Solidified Inorganics	Waste Matrix Code	S3119

<b>EPA Codes</b>
As-Generated
N/A

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	0.00	0.00	0.00	
Other Inorganic Materials	0.01	0.01	0.03	
Cellulosics	1.25	0.34	2.39	
Rubber	0.00	0.00	0.00	
Plastics	2.93	1.35	4.31	
Solidified, Inorganic Matrix	9.29	8.43	10.15	
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
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 Concentration (Ci/m3)
Am-241	3.65E+02
Pu-238	8.43E+01
Pu-239	9.13E-01
Pu-240	1.74E+00
Pu-241	5.32E+04
Pu-242	1.30E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W473													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.9</b>	<b>Projected 0.0</b>			<b>Total 0.9</b>		<b>Final Form</b>	<b>Stored 0.9</b>	<b>Projected 0.0</b>			<b>Total 0.9</b>	

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TWBIR ID: RL-W473

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.

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**Waste Stream Source Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W475

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W475	Handling	RH	Stream Name	202A TRU CH combustible S5319 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Combustible	Waste Matrix Code	S5319

<b>EPA Codes</b>
As-Generated
N/A

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			
Packaging Material, Steel Plug	0.00			

Final Waste 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 Concentration (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						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
RH Canister	6.2	0.0	0.0	0.0	0.0	6.2	RH Canister	6.2	0.0	0.0	0.0	0.0	6.2
<b>As-Generated</b>	<b>Stored 6.2</b>	<b>Projected 0.0</b>	<b>Total 6.2</b>			<b>Final Form</b>	<b>Stored 6.2</b>	<b>Projected 0.0</b>	<b>Total 6.2</b>				

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TWBIR ID: RL-W475

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W477

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W477	Handling	RH	Stream Name	202A TRU RH heterogeneous S5420 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5420

<b>EPA Codes</b>
As-Generated
N/A

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	102.17	45.40	185.12	
Other Inorganic Materials	2.81	2.81	22.33	
Cellulosics	5.21	0.54	12.57	
Rubber	4.92	0.27	15.31	
Plastics	28.17	1.96	45.58	
Solidified, Inorganic Matrix	26.66	13.51	75.65	
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
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 Concentration (Ci/m3)
Am-241	5.65E+02
Pu-238	1.12E+02
Pu-239	1.33E+00
Pu-240	2.35E+00
Pu-241	6.78E+04
Pu-242	1.70E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W477													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 1.8</b>	<b>Projected 0.0</b>	<b>Total 1.8</b>				<b>Final Form</b>	<b>Stored 1.8</b>	<b>Projected 0.0</b>	<b>Total 1.8</b>			

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RL-W477

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.

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**Waste Stream Source Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source



Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RL-W478

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W478	Handling	RH	Stream Name	202A TRU RH heterogeneous S5440 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5440

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	1.39	1.39	72.79	Residues:	No		Am-241	2.40E+02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	4.84E+01
	Other Metal/Alloys	84.33	0.34	391.02	PCBs:	No		Pu-239	5.94E-01
	Other Inorganic Materials	8.26	0.10	61.14	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	8.93E-01
	Cellulosics	16.20	0.19	115.25				Pu-241	2.29E+04
	Rubber	12.36	0.10	73.80				Pu-242	5.61E-06
	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							

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W478													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 23.1	<b>Projected</b> 0.0	<b>Total</b> 23.1			<b>Final Form</b>	<b>Stored</b> 23.1	<b>Projected</b> 0.0	<b>Total</b> 23.1				

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RL-W478

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RL-W479

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W479	Handling	RH	Stream Name	202A TRU RH heterogeneous S5900 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5900

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	2.53E+02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	5.97E+01
	Other Metal/Alloys	35.35	35.35	101.16	PCBs:	No		Pu-239	9.19E-01
	Other Inorganic Materials	7.73	1.26	25.36	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	1.36E+00
	Cellulosics	3.63	0.09	11.03				Pu-241	3.69E+04
	Rubber	3.08	1.80	8.56				Pu-242	8.43E-06
	Plastics	17.10	2.84	44.73					
	Solidified, Inorganic Matrix	26.37	11.04	66.98					
	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-W479													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.9			Final Form	Stored 0.9	Projected 0.0	Total 0.9				

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RL-W479

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.

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**Waste Stream Source Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PUREX CANYON AND SERVICE FACILITY.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RL-W556

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W556	Handling	CH	Stream Name	2345Z MTRU CH unknown forms S9000 Mixed RCRA w/ org,met,Hg			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	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		
As-Generated N/A	Material Parameter	Average	Lower	Upper	Category: Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
	Iron-Base Metal/Alloys	2.90	2.76	3.04	Residues: No		Am-241	6.36E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos: N/A		Pu-238	1.22E+00
	Other Metal/Alloys	1.10	1.10	1.10	PCBs: No		Pu-239	3.82E+01
	Other Inorganic Materials	0.00	0.00	0.00	Source: Facility/Equipment Operation and Maintenance Waste		Pu-240	8.47E+00
	Cellulosics	0.00	0.00	0.00			Pu-241	8.93E+01
	Rubber	0.00	0.00	0.00			Pu-242	6.49E-04
	Plastics	5.43	5.14	5.71				
	Solidified, Inorganic Matrix	10.37	9.87	10.86				
	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-W556													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.4			Final Form	Stored 0.4	Projected 0.0	Total 0.4				

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TWBIR ID: RL-W556

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RL-W557

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W557	Handling	CH	Stream Name	2345Z MTRU CH unknown forms S9000 Mixed RCRA w/ org.ign			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	S9000

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00
	Other Metal/Alloys	0.00	0.00	0.00
	Other Inorganic Materials	0.00	0.00	0.00
	Cellulosics	9.52	9.52	9.52
	Rubber	0.00	0.00	0.00
	Plastics	61.90	61.90	61.90
	Solidified, Inorganic Matrix	47.62	47.62	47.62
	Cement (Solidified)	0.00	0.00	0.00
	Vitrified	0.00	0.00	0.00
	Solidified, Organic Matrix	36.67	36.67	36.67
	Soils	110.95	110.95	110.95
	Packaging Material, Steel	131.00		
	Packaging Material, Plastic	37.00		
	Packaging Material, Lead	0.00		
	Packaging Material, Steel Plug	0.00		

Final Waste 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 Concentration (Ci/m3)
Am-241	4.18E-04
Pu-238	1.35E-04
Pu-239	5.07E-03
Pu-240	1.14E-03
Pu-241	1.68E-02
Pu-242	6.84E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W557													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>			<b>Final Form</b>	<b>Stored 0.2</b>	<b>Projected 0.0</b>	<b>Total 0.2</b>				

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TWBIR ID: RL-W557

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

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**Waste Stream Source Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source



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TWBIR ID: RL-W558

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W558	Handling	CH	Stream Name	2345Z MTRU CH unknown forms S9000 Mixed RCRA w/ org			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:		Am-241	2.86E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:		Ba-137m	4.70E-03
	Other Metal/Alloys	6.00	6.00	6.00	PCBs:		Cs-137	5.11E-03
	Other Inorganic Materials	2.52	2.52	2.52	Source:	Facility/Equipment Operation and Maintenance Waste	Pu-238	1.55E-01
	Cellulosics	0.00	0.00	0.00			Pu-239	1.94E+00
	Rubber	11.10	11.10	11.10			Pu-240	4.32E-01
	Plastics	51.71	51.71	51.71			Pu-241	1.05E+01
	Solidified, Inorganic Matrix	92.62	92.62	92.62			Pu-242	2.62E-05
	Cement (Solidified)	0.00	0.00	0.00			Sr-90	4.68E-03
	Vitrified	0.00	0.00	0.00			Tc-99	1.04E-06
	Solidified, Organic Matrix	16.05	16.05	16.05			Y-90	4.68E-03
	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-W558													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.2	Projected 0.0	Total 0.2				

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TWBIR ID: RL-W558

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W559

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W559	Handling	CH	Stream Name	2345Z MTRU CH unknown forms S9000 Mixed RCRA w/ met,ign			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	3.89E-03
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	1.60E-03
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	5.85E-02
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	1.31E-02
	Cellulosics	3.86	3.86	3.86				Pu-241	2.23E-01
	Rubber	0.00	0.00	0.00				Pu-242	7.89E-07
	Plastics	153.57	153.57	153.57					
	Solidified, Inorganic Matrix	114.00	114.00	114.00					
	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	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 Volume Detail (Cubic meters) for TWBIR ID : RL-W559													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.2	Projected 0.0	Total 0.2				

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TWBIR ID: RL-W559

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W560

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W560	Handling	CH	Stream Name	2345Z MTRU CH unknown forms S9000 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	78.52	4.64	940.38	Residues:	No		Am-241	7.35E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	8.30E-01
	Other Metal/Alloys	2.72	0.05	14.59	PCBs:	No		Pu-239	2.17E+01
	Other Inorganic Materials	26.66	26.66	191.91	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	5.69E+00
	Cellulosics	1.37	0.05	19.04				Pu-241	4.89E+01
	Rubber	23.46	11.99	118.99				Pu-242	5.06E-04
	Plastics	15.99	3.76	95.20					
	Solidified, Inorganic Matrix	16.37	10.04	170.96					
	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						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 4.0			Final Form	Stored 4.0	Projected 0.0	Total 4.0				

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TWBIR ID: RL-W560

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

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**Waste Stream Source Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W561

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W561	Handling	CH	Stream Name	2345Z MTRU CH unknown forms S9000 Mixed RCRA w/ met,Hg,cor			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	S9000

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00
	Other Metal/Alloys	0.33	0.33	0.33
	Other Inorganic Materials	0.38	0.38	0.38
	Cellulosics	14.71	14.71	14.71
	Rubber	33.52	33.52	33.52
	Plastics	25.14	25.14	25.14
	Solidified, Inorganic Matrix	166.95	166.95	166.95
	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		
	Packaging Material, Plastic	37.00		
	Packaging Material, Lead	0.00		
	Packaging Material, Steel Plug	0.00		

Final Waste 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 Concentration (Ci/m3)
Am-241	1.16E-03
Pu-238	4.37E-04
Pu-239	1.61E-02
Pu-240	3.61E-03
Pu-241	5.87E-02
Pu-242	2.18E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W561													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.2	Projected 0.0	Total 0.2				

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TWBIR ID: RL-W561

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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



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TWBIR ID: RL-W562

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W562	Handling	CH	Stream Name	2345Z MTRU CH unknown forms S9000 Mixed RCRA w/ met,Hg			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	S9000

<b>EPA Codes</b>
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	102.63	102.63	206.45	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	4.99	0.10	11.78	
Other Inorganic Materials	3.24	0.24	14.23	
Cellulosics	19.89	0.05	64.94	
Rubber	100.57	43.82	147.58	
Plastics	30.37	9.63	50.24	
Solidified, Inorganic Matrix	53.51	0.09	194.54	
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			

Final Waste 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 Concentration (Ci/m3)
Am-241	3.68E-02
Pu-238	1.38E-02
Pu-239	5.09E-01
Pu-240	1.14E-01
Pu-241	1.85E+00
Pu-242	6.86E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W562													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 1.0	<b>Projected</b> 0.0	<b>Total</b> 1.0			<b>Final Form</b>	<b>Stored</b> 1.0	<b>Projected</b> 0.0	<b>Total</b> 1.0				

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TWBIR ID: RL-W562

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W577

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W577	Handling	RH	Stream Name	2345Z TRU RH unknown forms S9000 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	S9000

<b>EPA Codes</b>
As-Generated
N/A

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	10.11	8.25	24.74	
Other Inorganic Materials	24.84	8.25	164.82	
Cellulosics	0.00	0.00	0.00	
Rubber	0.00	0.00	0.00	
Plastics	24.72	24.72	28.86	
Solidified, Inorganic Matrix	20.22	20.22	24.74	
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			

Final Waste 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 Concentration (Ci/m3)
Am-241	3.01E+02
Pu-238	4.70E+01
Pu-239	9.47E-01
Pu-240	3.88E+00
Pu-241	2.77E+04
Pu-242	3.65E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W577													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	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
<b>As-Generated</b>	<b>Stored 2.7</b>	<b>Projected 0.0</b>	<b>Total 2.7</b>				<b>Final Form</b>	<b>Stored 2.7</b>	<b>Projected 0.0</b>	<b>Total 2.7</b>			

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TWBIR ID: RL-W577

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

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**Waste Stream Source Description** The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W578

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W578	Handling	RH	Stream Name	2345Z TRU RH unknown forms U9999 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	U9999

<b>EPA Codes</b>
As-Generated
N/A

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	0.00	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
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	868.00			
Packaging Material, Plastic	0.00			
Packaging Material, Lead	928.00			
Packaging Material, Steel Plug	0.00			

Final Waste 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 Concentration (Ci/m3)
Am-241	1.10E+01
Pu-238	2.67E+00
Pu-239	1.28E-01
Pu-240	1.04E-01
Pu-241	7.26E+02
Pu-242	1.07E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W578														
As-Generated Volumes							Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected					
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	Total	
RH Canister	5.3	0.0	0.0	0.0	0.0	5.3	RH Canister	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RH Canister	5.3	0.0	0.0	0.0	0.0	5.3	RH Canister	5.3	0.0	0.0	0.0	0.0	0.0	5.3
<b>As-Generated</b>	<b>Stored 5.3</b>	<b>Projected 0.0</b>	<b>Total 5.3</b>				<b>Final Form</b>	<b>Stored 5.3</b>	<b>Projected 0.0</b>	<b>Total 5.3</b>				

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TWBIR ID: RL-W578

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W609

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W609	Handling	CH	Stream Name	324 MTRU CH unknown forms S9000 Mixed RCRA w/ org,met,Hg			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	S9000

<b>EPA Codes</b>
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	985.71	985.71	985.71	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	480.95	480.95	480.95	
Other Inorganic Materials	110.62	110.62	110.62	
Cellulosics	0.00	0.00	0.00	
Rubber	0.00	0.00	0.00	
Plastics	0.00	0.00	0.00	
Solidified, Inorganic Matrix	9.29	9.29	9.29	
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			

<b>Final Waste Form Descriptors</b>	<b>TRUCON Codes</b>
Category: Defense TRU Waste	N/A
Residues: No	
Asbestos: N/A	
PCBs: No	
Source: R&D/R&D Laboratory Waste	

<b>Final Form Radionuclides</b>	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.05E-04
Ba-137m	2.78E-02
Cs-137	2.94E-02
Pu-239	5.78E-04
Sr-90	2.90E-01
Y-90	2.90E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W609													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	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
<b>As-Generated</b>	<b>Stored</b> 0.2	<b>Projected</b> 0.0	<b>Total</b> 0.2				<b>Final Form</b>	<b>Stored</b> 0.2	<b>Projected</b> 0.0	<b>Total</b> 0.2			

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TWBIR ID: RL-W609

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.

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**Waste Stream Source Description** The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source



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TWBIR ID: RL-W650

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W650	Handling	CH	Stream Name	325 TRU CH unknown forms S9000 Non-mixed			Inventory Date	9/30/2002
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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	4.92E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	1.08E-01
	Other Metal/Alloys	0.63	0.63	0.63	PCBs:	No		Cs-137	1.14E-01
	Other Inorganic Materials	208.44	208.44	208.44	Source:	R&D/R&D Laboratory Waste		Pu-238	7.98E-03
	Cellulosics	3.35	3.35	3.35				Pu-239	7.47E-03
	Rubber	11.10	11.10	11.10				Pu-240	6.62E-03
	Plastics	76.48	76.48	76.48				Pu-241	7.35E-01
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Sr-90	4.89E-01
	Cement (Solidified)	0.00	0.00	0.00				Y-90	4.89E-01
	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-W650													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.2	Projected 0.0	Total 0.2				

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TWBIR ID: RL-W650

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.

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**Waste Stream Source Description** The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W651

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W651	Handling	CH	Stream Name	325 MTRU CH unknown forms S9000 Mixed RCRA w/ org,met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	S9000

<b>EPA Codes</b>
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	0.02	0.02	0.02	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	42.86	42.86	42.86	
Other Inorganic Materials	47.62	47.62	47.62	
Cellulosics	0.16	0.16	0.16	
Rubber	0.00	0.00	0.00	
Plastics	52.38	52.38	52.38	
Solidified, Inorganic Matrix	27.23	23.42	32.94	
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			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	N/A
Residues:	No	
Asbestos:	N/A	
PCBs:	No	
Source:	R&D/R&D Laboratory Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	3.31E-01
Ba-137m	9.98E-02
Cs-137	1.05E-01
Pu-238	9.40E-02
Pu-239	4.90E-02
Pu-240	3.33E-03
Sr-90	2.03E+00
Y-90	2.03E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W651													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 1.0	<b>Projected</b> 0.0			<b>Total</b> 1.0	<b>Final Form</b>	<b>Stored</b> 1.0	<b>Projected</b> 0.0			<b>Total</b> 1.0		

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TWBIR ID: RL-W651

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.

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**Waste Stream Source Description** The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W652

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W652	Handling	CH	Stream Name	325 MTRU CH unknown forms S9000 Mixed RCRA w/ org			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	6.31E-04
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	6.68E-01
	Other Metal/Alloys	374.67	374.67	374.67	PCBs:	No		Cs-137	7.06E-01
	Other Inorganic Materials	177.16	177.16	177.16	Source:	R&D/R&D Laboratory Waste		Pu-238	1.46E-03
	Cellulosics	0.29	0.29	0.29				Pu-239	3.77E-03
	Rubber	0.00	0.00	0.00				Pu-240	9.01E-04
	Plastics	5.11	5.11	5.11				Pu-241	1.34E-02
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	4.47E-08
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.64E+00
	Vitrified	0.00	0.00	0.00				Y-90	3.64E+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							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W652													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 3.8	<b>Projected</b> 0.0	<b>Total</b> 3.8			<b>Final Form</b>	<b>Stored</b> 3.8	<b>Projected</b> 0.0	<b>Total</b> 3.8				

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TWBIR ID: RL-W652

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W667

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W667	Handling	RH	Stream Name	325 TRU RH unknown forms S9000 Non-mixed			Inventory Date	9/30/2002
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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	1.02E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	1.10E+00
	Other Metal/Alloys	11.57	11.57	11.57	PCBs:	No		Pu-239	1.25E-02
	Other Inorganic Materials	19.49	19.49	19.49	Source:	R&D/R&D Laboratory Waste		Pu-240	1.07E-02
	Cellulosics	1.07	1.07	1.07				Pu-241	4.06E+01
	Rubber	0.00	0.00	0.00				Pu-242	1.60E-08
	Plastics	1.69	1.69	1.69					
	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	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-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	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	Projected 0.0	Total 0.9			Final Form	Stored 0.9	Projected 0.0	Total 0.9				

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TWBIR ID: RL-W667

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.

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**Waste Stream Source Description** The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source



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TWBIR ID: RL-W684

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W684	Handling	RH	Stream Name	327 TRU RH heterogeneous S5420 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5420

<b>EPA Codes</b>
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	75666.36	1122.28	63416.33	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	727.53	15.14	1923.82	
Other Inorganic Materials	214.72	7.57	860.26	
Cellulosics	40.11	15.14	272.49	
Rubber	38.31	38.31	181.66	
Plastics	64.97	18.92	316.39	
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	2.92	2.92	30.28	
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
Category:	Non-defense TRU Waste	N/A
Residues:	No	
Asbestos:	N/A	
PCBs:	No	
Source:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.07E+03
Ba-137m	4.87E+03
Cs-137	3.61E+03
Pu-238	3.57E+02
Pu-239	2.50E+01
Pu-240	2.43E+01
Pu-241	1.80E+05
Pu-242	2.25E-02
Sr-90	1.41E+03
U-235	2.59E-04
U-238	1.76E-02
Y-90	2.02E+03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W684													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored 0.9</b>	<b>Projected 0.0</b>	<b>Total 0.9</b>				<b>Final Form</b>	<b>Stored 0.9</b>	<b>Projected 0.0</b>	<b>Total 0.9</b>			

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TWBIR ID: RL-W684

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the POST IRRADIATION TEST LABORATORY.
<b>Waste Stream Source Description</b>	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
<b>EPA Comments</b>	N/A
<b>Management Comments</b>	N/A
<b>Acceptance Comments</b>	In the interim state, the waste stream consists of 33 containers, 31 of which have an internal container volume of 0.0126 m <sup>3</sup> . The container with the largest internal volume of 0.25 m <sup>3</sup> 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.
<b>Final Form Comments</b>	For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W722

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W722	Handling	CH	Stream Name	MCGEE TRU CH unknown forms S9000 Non-mixed			Inventory Date	9/30/2002
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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	1.47E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	4.19E-03
	Other Metal/Alloys	124.80	124.80	124.80	PCBs:	No		Pu-239	1.60E-01
	Other Inorganic Materials	17.20	17.20	17.20	Source:	R&D/R&D Laboratory Waste		Pu-240	3.58E-02
	Cellulosics	0.00	0.00	0.00				Pu-241	4.80E-01
	Rubber	0.00	0.00	0.00				Pu-242	2.16E-06
	Plastics	15.84	15.84	15.84					
	Solidified, Inorganic Matrix	142.72	142.72	142.72					
	Cement (Solidified)	0.00	0.00	0.00					
	Vitrified	0.00	0.00	0.00					
	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													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.2	Projected 0.0	Total 0.2				

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TWBIR ID: RL-W722

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.

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**Waste Stream Source Description** The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** N/A

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**Final Form Comments** For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W756

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	PFP Residues - Mixed Oxides Wastes in POC's: MTRU CH solidified inorganic S3150 Mixed RC			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	Final Waste Form	Solidified Inorganics	Waste Matrix Code	S3150

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00
	Other Metal/Alloys	0.00	0.00	0.00
	Other Inorganic Materials	0.00	0.00	0.00
	Cellulosics	0.00	0.00	0.00
	Rubber	0.00	0.00	0.00
	Plastics	48.02	42.37	57.66
	Solidified, Inorganic Matrix	129.80	19.52	327.30
	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	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		

Final Waste Form Descriptors	TRUCON Codes
Category: N/A	N/A
Residues: Yes	
Asbestos: N/A	
PCBs: No	
Source: Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	4.31E+01
Pu-238	1.81E+01
Pu-239	3.54E+01
Pu-240	2.15E+01
Pu-241	8.35E+02
Pu-242	9.59E-03
U-238	1.92E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W756													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 294.0	Total 294.0			Final Form	Stored 0.0	Projected 294.0	Total 294.0				

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TWBIR ID: RL-W756

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-Z001

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-Z001	Handling	U	Stream Name	Hanford Buried TRU Waste			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	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
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	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/A		
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	N/A		
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A		
	Cellulosics	0.00	0.00	0.00				
	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	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 : RL-Z001													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected	0.0	Total	63629.0	Final Form	Stored	0.0	Projected	0.0	Total	0.0

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TWBIR ID: **RL-Z001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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

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TWBIR ID: RL-Z002

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-Z002	Handling	CH	Stream Name	324 TRU CH vitrified forms Z1120 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	Z1120

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	205.47	205.47	205.47	Residues:	No		Pu-239	1.58E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A			
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No			
	Other Inorganic Materials	419.79	419.79	419.79	Source:	R&D/R&D Laboratory Waste			
	Cellulosics	0.00	0.00	0.00					
	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	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-Z002													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	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	Stored	1.9	Projected	0.0	Total	1.9	Final Form	Stored	1.9	Projected	0.0	Total	1.9

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TWBIR ID: RL-Z002

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-Z003

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-Z003	Handling	RH	Stream Name	324 TRU RH vitrified forms Z1120 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	N/A	Waste Matrix Code	Z1120

<b>EPA Codes</b>
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	556.29	549.16	576.12	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	1067.72	909.97	1129.21	
Cellulosics	0.00	0.00	0.00	
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	434.00			
Packaging Material, Plastic	0.00			
Packaging Material, Lead	464.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Non-defense TRU Waste	N/A
Residues:	No	
Asbestos:	N/A	
PCBs:	No	
Source:	R&D/R&D Laboratory Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	8.68E+00
Ba-137m	2.57E+06
Cs-137	1.36E+06
Pu-239	3.09E-02
Pu-240	4.29E-02
Pu-241	7.09E+02
Pu-242	1.25E-06
Sr-90	1.11E+06
Y-90	2.22E+06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-Z003													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	Total
RH Canister	3.6	0.0	0.0	0.0	0.0	3.6	RH Canister	3.6	0.0	0.0	0.0	0.0	3.6
<b>As-Generated</b>	<b>Stored</b> 3.6	<b>Projected</b> 0.0	<b>Total</b> 3.6				<b>Final Form</b>	<b>Stored</b> 3.6	<b>Projected</b> 0.0	<b>Total</b> 3.6			

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: RL-Z003

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**Waste Stream Description** The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.

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**Waste Stream Source Description** The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.

---

**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** N/A

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**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

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: SA-Z001

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SA-Z001	Handling	CH	Stream Name	Sandia National Laboratory/NM Buried TRU Waste			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	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
As-Generated	Material Parameter	Average	Lower	Upper	Category: Defense TRU Waste	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/A	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs: N/A	
	Other Inorganic Materials	0.00	0.00	0.00	Source: N/A	
	Cellulosics	0.00	0.00	0.00		
	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	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 : SA-Z001													
As-Generated Volumes				Final Form Volumes									
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 1.3			Final Form	Stored 0.0	Projected 0.0	Total 0.0				

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: SA-Z001

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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---

Waste Stream Description N/A

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Waste Stream Source Description N/A

---

Current Container Comments N/A

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EPA Comments N/A

---

Management Comments N/A

---

Acceptance Comments N/A

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Final Form Comments N/A

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Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: **SP-T001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	N/A	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	ZZ	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S3120

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
<b>As-Generated</b>	<b>Material Parameter</b>	<b>Average</b>	<b>Lower</b>	<b>Upper</b>	<b>Category:</b>	Defense TRU Waste	N/A	<b>Isotope</b>	<b>Typical Concentration (Ci/m3)</b>
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	<b>Residues:</b>	N/A		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	<b>Asbestos:</b>	N/A		Cs-137	
	Other Metal/Alloys	0.00	0.00	0.00	<b>PCBs:</b>	N/A		Pu-239	
	Other Inorganic Materials	0.00	0.00	0.00	<b>Source:</b>	N/A		Sr-90	
	Cellulosics	0.00	0.00	0.00					
	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	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-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	0.0	<b>Projected</b>	50.1	<b>Total</b>	50.1	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	50.1	<b>Total</b>	50.1

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: **SP-T001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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



Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: SR-T001-WSB-1

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	UNKNOWN			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	SR	Final Waste Form	N/A		

EPA Codes	
As-Generated	
D008, D009, D011	

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	0.00	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
Rubber	0.00	0.00	0.00	
Plastics	0.00	0.00	0.00	
Solidified, Inorganic Matrix	720.00	0.00	720.00	
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			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	not yet assigned
Residues:	N/A	
Asbestos:	Unknown	
PCBs:	Unknown	
Source:	Source Unknown	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.99E+02
Pu-238	6.77E-03
Pu-239	4.44E-02
Pu-240	1.69E-02
Pu-241	8.17E+00
U-234	1.32E-03
U-235	4.25E-05
U-236	6.83E-07
U-238	3.84E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : SR-T001-WSB-1													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 4320.5	<b>Total</b> 4320.5				<b>Final Form</b>	<b>Stored</b> 0.0	<b>Projected</b> 4320.5	<b>Total</b> 4320.5			

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: SR-T001-WSB-1

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**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

---

**Current Container Comments** 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. Tbrown 3/22/03

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: SR-T001-WSB-3

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	UNKNOWN			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	SR	Final Waste Form	N/A		

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	not yet assigned	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	N/A		Pu-238	6.15E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	Unknown		Pu-239	4.04E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	Unknown		Pu-240	1.48E+00
	Other Inorganic Materials	250.00	0.00	250.00	Source:	Source Unknown		Pu-241	7.45E+00
	Cellulosics	0.00	0.00	0.00				U-234	4.51E-03
	Rubber	0.00	0.00	0.00				U-235	1.45E-04
	Plastics	0.00	0.00	0.00				U-238	1.31E-06
	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 : SR-T001-WSB-3													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 144.1	<b>Total</b> 144.1				<b>Final Form</b>	<b>Stored</b> 0.0	<b>Projected</b> 144.1	<b>Total</b> 144.1			

# Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: SR-T001-WSB-3

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**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

---

**Current Container Comments** 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%, U236- .5%, 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

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

Annex I

TWBIR ID: SR-W026-MFFF-1

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	UNKNOWN			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		
Waste Matrix Code		N/A							

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated D008	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	OT YET ASSIGNE	Isotope	Typical Concentration (Ci/m3)
	Iron-Base Metal/Alloys	3.13	0.00	30.00	Residues:	N/A		Pu-238	4.11E-01
	Aluminum-Base Metal/Alloys	0.07	0.00	7.00	Asbestos:	Unknown		Pu-239	2.69E+00
	Other Metal/Alloys	0.04	0.00	4.00	PCBs:	Unknown		Pu-240	9.86E-01
	Other Inorganic Materials	1.24	0.00	10.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-241	4.95E+00
	Cellulosics	2.20	0.00	20.00				U-234	3.00E-06
	Rubber	0.26	0.00	2.00				U-235	9.66E-07
	Plastics	15.30	0.00	30.00				U-236	1.58E-08
	Solidified, Inorganic Matrix	0.00	0.00	0.00				U-238	8.75E-09
	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	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-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 2640.1	<b>Total</b> 2640.1				<b>Final Form</b>	<b>Stored</b> 0.0	<b>Projected</b> 2640.1	<b>Total</b> 2640.1			

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TWBIR ID: SR-W026-MFFF-1

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**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

---

**Current Container Comments** 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

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TWBIR ID: SR-W026-PDCF-1

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	UNKNOWN			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		No Final Form Radionuclides Provided

As-Generated
N/A

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	3.13	0.00	400.00
Aluminum-Base Metal/Alloys	0.07	0.00	100.00
Other Metal/Alloys	0.04	0.00	100.00
Other Inorganic Materials	1.24	0.00	10.00
Cellulosics	2.20	0.00	20.00
Rubber	0.26	0.00	5.00
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		

Category:	Defense TRU Waste
Residues:	N/A
Asbestos:	Unknown
PCBs:	Unknown
Source:	Facility/Equipment Operation and Maintenance Waste

OT YET ASSIGNE

Waste Volume Detail (Cubic meters) for TWBIR ID : SR-W026-PDCF-1													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 1833.1	<b>Total</b> 1833.1				<b>Final Form</b>	<b>Stored</b> 0.0	<b>Projected</b> 1833.1	<b>Total</b> 1833.1			

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TWBIR ID: SR-W026-PDCF-1

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

**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

---

**Current Container Comments** 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.

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**Acceptance Comments** N/A

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**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



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Annex I

TWBIR ID: SR-W026-WSB-2

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	N/A			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		Final Form Radionuclides

<b>As-Generated</b>
D008

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	3.13	0.00	30.00
Aluminum-Base Metal/Alloys	0.07	0.00	7.00
Other Metal/Alloys	0.04	0.00	4.00
Other Inorganic Materials	1.24	0.00	10.00
Cellulosics	2.20	0.00	20.00
Rubber	0.26	0.00	2.00
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	131.00		
Packaging Material, Plastic	37.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

<b>Category:</b>	Defense TRU Waste
<b>Residues:</b>	N/A
<b>Asbestos:</b>	N/A
<b>PCBs:</b>	N/A
<b>Source:</b>	Facility/Equipment Operation and Maintenance Waste

OT YET ASSIGNE

Isotope	Typical Concentration (Ci/m3)
Am-241	1.32E+02
Pu-238	9.66E-06
Pu-239	1.98E-01
Pu-240	9.86E-02
Pu-241	1.98E-01
Pu-242	7.54E-06
U-234	3.00E-04
U-235	9.66E-06
U-236	1.56E-07
U-238	9.08E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : SR-W026-WSB-2

As-Generated Volumes						
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
Drum / 55 gallon	0.0	0.0	416.0	249.6	0.0	672.0
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 672.0	<b>Total</b> 672.0			

Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
55 Gallon Drum	0.0	0.0	0.0	0.0	0.0	672.0
<b>Final Form</b>	<b>Stored</b> 0.0	<b>Projected</b> 672.0	<b>Total</b> 672.0			

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TWBIR ID: **SR-W026-WSB-2**

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

---

<b>Waste Stream Description</b>	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.
<b>Waste Stream Source Description</b>	N/A
<b>Current Container Comments</b>	Approximately 200 55-gallon drums per year will be produced.
<b>EPA Comments</b>	N/A
<b>Management Comments</b>	N/A
<b>Acceptance Comments</b>	N/A
<b>Final Form Comments</b>	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

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TWBIR ID: WV-M005

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	WV-M005	Handling	RH	Stream Name	TRU Filters			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Filter	Waste Matrix Code	S5410

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Ba-137m	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	
	Cellulosics	0.00	0.00	0.00				Pu-239	
	Rubber	0.00	0.00	0.00				Sr-90	
	Plastics	0.00	0.00	0.00				U(unspec)	
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Y-90	
	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	351.20							
	Packaging Material, Plastic	0.40							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : WV-M005						
As-Generated Volumes				Final Form Volumes		
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
173.19ft3 Lead Shielded Box	14.7	0.0	0.0	0.0	0.0	14.7
60 cubic ft. lead shielded box	23.8	0.0	0.0	0.0	0.0	117.3
64 ft.3 Box	12.7	0.0	0.0	0.0	0.0	12.7
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 Shielded	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
<b>As-Generated</b>	<b>Stored</b>	119.4	<b>Projected</b>	93.5	<b>Total</b>	212.9

  

ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
55 Gallon Drum	59.7	0.0	0.0	0.0	0.0	106.1
<b>Final Form</b>	<b>Stored</b>	59.7	<b>Projected</b>	46.4	<b>Total</b>	106.1

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TWBIR ID: **WV-M005**

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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 ventilation systems roughing and HEPA filters from normal site operations.

---

**Current Container Comments** 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.

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**EPA Comments** N/A

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**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, TC-138, 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

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

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Annex I

TWBIR ID: **WV-M007**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-M007	Handling	CH	Stream Name	TRU General Waste			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	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	
<b>As-Generated</b>	<b>Material Parameter</b>	<b>Average</b>	<b>Lower</b>	<b>Upper</b>	<b>Category:</b>	Defense TRU Waste*	N/A	<b>Isotope</b>	<b>Typical Concentration (Ci/m3)</b>
unknown	Iron-Base Metal/Alloys	0.00	0.00	0.00	<b>Residues:</b>	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	<b>Asbestos:</b>	No		Ba-137m	
	Other Metal/Alloys	0.00	0.00	0.00	<b>PCBs:</b>	No		Cs-137	
	Other Inorganic Materials	1.00	0.00	0.00	<b>Source:</b>	Facility/Equipment Operation and Maintenance Waste		Pu(unspec)	
	Cellulosics	0.00	0.00	0.00				Sr-90	
	Rubber	0.00	0.00	0.00				Y-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	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						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	<b>Projected</b>	<b>Total</b>				<b>Final Form</b>	<b>Stored</b>	<b>Projected</b>	<b>Total</b>			
	10.8	0.0	10.8					10.8	0.0	10.8			

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TWBIR ID: **WV-M007**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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<b>Waste Stream Description</b>	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.
<b>Waste Stream Source Description</b>	General site waste requiring hazardous characterization generated from normal site operations.
<b>Current Container Comments</b>	N/A
<b>EPA Comments</b>	Further sampling and analysis required to determine the contents of these containers, and if RCRA contaminants are present.
<b>Management Comments</b>	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-387, 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.
<b>Acceptance Comments</b>	* Pending Defense Determination
<b>Final Form Comments</b>	Some volume reduction may be performed on reduce the number of shipping containers required

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Annex I

TWBIR ID: WV-M008

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	WV-M008	Handling	CH	Stream Name	TRU Concrete			Inventory Date	12/31/1994
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Solidified Inorganics		
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		Final Form Radionuclides

As-Generated
N/A

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	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	1.00	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		

Category:	Defense TRU Waste*	TRUCON Codes	N/A
Residues:	No		
Asbestos:	No		
PCBs:	No		
Source:	Facility/Equipment Operation and Maintenance Waste		

Isotope	Typical Concentration (Ci/m3)
Am-241	
Ba-137m	
Cs-137	
Pu-238	
Pu-239	
Sr-90	
U(unspec)	
Y-90	

Waste Volume Detail (Cubic meters) for TWBIR ID : WV-M008													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.2			Final Form	Stored 0.2	Projected 0.0	Total 0.2				

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TWBIR ID: **WV-M008**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**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.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** WVNS TD-076

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

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Annex I

TWBIR ID: WV-M010

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	WV-M010	Handling	CH	Stream Name	TRU Spent Absorbents			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S3190

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Ba-137m	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	
	Cellulosics	0.00	0.00	0.00				Pu-239	
	Rubber	0.00	0.00	0.00				Sr-90	
	Plastics	0.00	0.00	0.00				U(unspec)	
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Y-90	
	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 : WV-M010													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 0.8				Final Form	Stored 0.8	Projected 0.0	Total 0.8			

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TWBIR ID: **WV-M010**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Waste Stream Description** This waste stream consists of spent absorbents generated from site operations. The media absorbed is not known for this waste stream.

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**Waste Stream Source Description** Spent absorbents generated from site operations.

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**Management Comments** WVNS TD-707, WVNS TD-713,TD-937, TD-924

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

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TWBIR ID: WV-M013

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	WV-M013	Handling	CH	Stream Name	Sweeping Compound			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	WV	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	
As-Generated D007, D008	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Ba-137m	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	
	Other Inorganic Materials	1.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	
	Cellulosics	0.00	0.00	0.00				Pu-239	
	Rubber	0.00	0.00	0.00				Sr-90	
	Plastics	0.00	0.00	0.00				U(unspec)	
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Y-90	
	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 : WV-M013													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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	Projected 0.0	Total 1.9			Final Form	Stored 1.9	Projected 0.0	Total 1.9				

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TWBIR ID: **WV-M013**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**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.

---

**Current Container Comments** 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

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

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TWBIR ID: WV-M015

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	WV-M015	Handling	RH	Stream Name	Chemical Process Cell General Waste			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5420

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Cs-137	
	Other Metal/Alloys	1.00	0.00	0.00	PCBs:	No		Pu(unspec)	
	Other Inorganic Materials	1.00	0.00	0.00	Source:	Remediation/D&D Waste		Sr-90	
	Cellulosics	0.00	0.00	0.00					
	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	435.00							
	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-M015													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
370 cubic foot waste box	10.5	0.0	0.0	0.0	0.0	10.5	55 Gallon Drum	6.0	0.0	0.0	0.0	0.0	6.0
70 cubic ft. Type A waste 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							
<b>As-Generated</b>	<b>Stored</b>	<b>13.1</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>13.1</b>	<b>Final Form</b>	<b>Stored</b>	<b>6.0</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>6.0</b>

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TWBIR ID: **WV-M015**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**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.

---

**Current Container Comments** Contains 6, 44"by 44" by 44" boxes

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**EPA Comments** N/A

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**Management Comments** WVNS container ID's for these boxes: TC-172, TD-173, TD-174, TD-175, 3E-1/7E-5/7E-8

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** A portion of this waste stream will be repackaged into 55-gallon drums.

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TWBIR ID: **WV-T001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-T001	Handling	CH	Stream Name	Fissile Material - Solids			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	WV	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Pu(unspec)	0.00E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	0.00E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		U(unspec)	0.00E+00
	Other Inorganic Materials	1.00	0.00	0.00	Source:	Remediation/D&D Waste			
	Cellulosics	0.00	0.00	0.00					
	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	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-T001													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Box / 70 cubic ft. Type A Wast	15.8	0.0	0.0	0.0	0.0	15.8	55 Gallon Drum	36.8	0.0	0.0	0.0	0.0	36.8
Box / 90 cubic ft. Waste	15.3	0.0	0.0	0.0	0.0	15.3							
Drum / 55 gallon	8.1	0.0	0.0	0.0	0.0	8.1							
<b>As-Generated</b>	<b>Stored</b>	<b>39.3</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>39.3</b>	<b>Final Form</b>	<b>Stored</b>	<b>36.8</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>36.8</b>

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TWBIR ID: WV-T001

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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.

---

**Current Container Comments** N/A

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**EPA Comments** N/A

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**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-1277, TD-1278, TD-1283, 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.

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

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TWBIR ID: **WV-T004**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-T004	Handling	CH	Stream Name	Fissile Material - Other			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Pu-238	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		U(unspec)	
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Remediation/D&D Waste			
	Cellulosics	0.00	0.00	0.00					
	Rubber	0.00	0.00	0.00					
	Plastics	0.00	0.00	0.00					
	Solidified, Inorganic Matrix	1.00	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 : WV-T004													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 0.6	<b>Projected</b> 0.0	<b>Total</b> 0.6				<b>Final Form</b>	<b>Stored</b> 0.6	<b>Projected</b> 0.0	<b>Total</b> 0.6			

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TWBIR ID: WV-T004

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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.

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**Waste Stream Source Description** Fissile material generated from previous decontamination and decommissioning activities.

---

**Current Container Comments** Currently store in 55 gallon drums.

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**EPA Comments** the specific contents of this waste stream are unknown.

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**Management Comments** WVNS TD-478, WVNS TD-640, WVNS TC-1309

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: **WV-T006**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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

Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T006													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 10.4	<b>Projected</b> 10.2	<b>Total</b> 20.6				<b>Final Form</b>	<b>Stored</b> 10.4	<b>Projected</b> 10.2	<b>Total</b> 20.6			

Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: WV-T006

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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.

---

**Current Container Comments** Currently stored in 55-gallon drums.

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**EPA Comments** none

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**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-647, TD-648, TD-649, TD-659, TD-719, TD-937. For 1994

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

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Title 40 CFR Part 191 Subparts B and C Compliance Recertification Application 2004

TWBIR ID: **WV-T009**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-T009	Handling	CH	Stream Name	TRU General Laboratory Waste			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5420

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Ba-137m	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	
	Other Inorganic Materials	1.00	0.00	0.00	Source:	Analytical Laboratory Waste		Pu(unspec)	
	Cellulosics	0.00	0.00	0.00				Sr-90	
	Rubber	0.00	0.00	0.00				U(unspec)	
	Plastics	0.00	0.00	0.00				Y-90	
	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 : WV-T009													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 10.0	<b>Projected</b> 21.2	<b>Total</b> 31.2		<b>Final Form</b>				<b>Stored</b> 10.0	<b>Projected</b> 21.2	<b>Total</b> 31.2		

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TWBIR ID: WV-T009

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	This waste stream consists of general laboratory waste generated on-site. The specific contents include anticontamination clothing, bags, wipes, samples, etc.
<b>Waste Stream Source Description</b>	General laboratory waste generated on-site.
<b>Current Container Comments</b>	Currently stored in 55-gallon drums.
<b>EPA Comments</b>	none
<b>Management Comments</b>	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-1140, TD-1146, TD-1150, TD-1151, TD-1152, TD-1154, TD-1155, 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-1198, TD-1200, TD-1204, TD-1211, TD-1212, TD-1279.
<b>Acceptance Comments</b>	* Pending Defense Determination
<b>Final Form Comments</b>	It is estimated that volume reduction could be performed.

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TWBIR ID: **WV-T011**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-T011	Handling	CH	Stream Name	TRU Glove Boxes			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Uncategorized Metal			
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		Final Form Radionuclides	

<b>As-Generated</b>
N/A

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	1.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
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	131.00		
Packaging Material, Plastic	37.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Category:	Defense TRU Waste*	TRUCON Codes	N/A
Residues:	No		
Asbestos:	No		
PCBs:	No		
Source:	Remediation/D&D Waste		

Isotope	Typical Concentration (Ci/m3)
Am-241	
Ba-137m	
Cs-137	
Pu(unspec)	
Sr-90	
U(unspec)	
Y-90	

Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T011													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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							
<b>As-Generated</b>	<b>Stored</b> 34.1	<b>Projected</b> 0.0	<b>Total</b> 34.1				<b>Final Form</b>	<b>Stored</b> 10.2	<b>Projected</b> 0.0	<b>Total</b> 10.2			

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TWBIR ID: WV-T011

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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 decommissioning and decontamination activities.

---

**Current Container Comments** N/A

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**EPA Comments** None

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**Management Comments** WVNS Container ID number is TD-370, TC-191, TC-192, TC-194.

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** Waste will be size reduced and repackaged into 55-gallon drums at a future date.



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TWBIR ID: **WV-T014**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-T014	Handling	RH	Stream Name	Chemical Process Cell Vessels			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5111

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Cs-137	
	Other Metal/Alloys	1.00	0.00	0.00	PCBs:	No		Pu(unspec)	
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Remediation/D&D Waste		Sr-90	
	Cellulosics	0.00	0.00	0.00					
	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	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						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b> 270.0	<b>Projected</b> 0.0			<b>Total</b> 270.0		<b>Final Form</b>	<b>Stored</b> 10.6	<b>Projected</b> 0.0			<b>Total</b> 10.6	

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TWBIR ID: WV-T014

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	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.
<b>Waste Stream Source Description</b>	Vessels removed from the Chemical Process Cell.
<b>Current Container Comments</b>	N/A
<b>EPA Comments</b>	N/A
<b>Management Comments</b>	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)
<b>Acceptance Comments</b>	* Pending Defense Determination
<b>Final Form Comments</b>	These tanks/vessels will be size reduced and repackaged into 55-gallon drums.

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TWBIR ID: **WV-T016**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-T016	Handling	RH	Stream Name	Chemical Process Cell Miscellaneous Equipment			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5111

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	1.00	0.00	0.00	Residues:	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Cs-137	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu(unspec)	
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Remediation/D&D Waste		Sr-90	
	Cellulosics	0.00	0.00	0.00					
	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	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-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
432 cubic 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
<b>As-Generated</b>	<b>Stored</b>	146.8	<b>Projected</b>	0.0	<b>Total</b>	146.8	<b>Final Form</b>	<b>Stored</b>	8.5	<b>Projected</b>	0.0	<b>Total</b>	8.5

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TWBIR ID: WV-T016

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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**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.

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**Waste Stream Source Description** Various jumpers and miscellaneous equipment generated from the decontamination and decommissioning of the Chemical Process Cell

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**Current Container Comments** N/A

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**EPA Comments** N/A

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**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

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** These containers will be size reduced and repackaged into 55-gallon drums at a later date.

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TWBIR ID: **WV-T017**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-T017	Handling	CH	Stream Name	Spent Filter Media			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S3115

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	Residues:	No		Am-241	
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Ba-137m	
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	
	Other Inorganic Materials	1.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	
	Cellulosics	0.00	0.00	0.00				Pu-239	
	Rubber	0.00	0.00	0.00				Sr-90	
	Plastics	0.00	0.00	0.00				U(unspec)	
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Y-90	
	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	0.00							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T017													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	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
<b>As-Generated</b>	<b>Stored</b> 2.3	<b>Projected</b> 0.0	<b>Total</b> 2.3				<b>Final Form</b>	<b>Stored</b> 2.5	<b>Projected</b> 0.0	<b>Total</b> 2.5			

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TWBIR ID: **WV-T017**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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

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TWBIR ID: WV-T018

Annex I

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	Head End Cell Debris			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Heterogeneous Debris		
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		No Final Form Radionuclides Provided

As-Generated
N/A

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	1.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
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	131.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Category:	Defense TRU Waste*	TRUCON Codes	NA
Residues:	No		
Asbestos:	No		
PCBs:	No		
Source:	Remediation/D&D Waste		

Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T018						
As-Generated Volumes				Final Form Volumes		
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
	0.0	0.0	0.0	0.0	0.0	0.0
Box / 344ft3	19.5	0.0	0.0	0.0	0.0	19.5
Box / Misc.	146.9	0.0	0.0	0.0	0.0	158.2
Drum / 55 gallon with 30 gallon	5.0	0.0	0.0	0.0	0.0	30.6
<b>As-Generated</b>	<b>Stored</b> 171.4	<b>Projected</b> 36.9			<b>Total</b> 208.3	

  

ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
55 Gallon Drum	54.1	0.0	0.0	0.0	0.0	79.7
<b>Final Form</b>	<b>Stored</b> 54.1	<b>Projected</b> 25.6			<b>Total</b> 79.7	

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TWBIR ID: **WV-T018**

## Annex I

### TRU WASTE BASELINE INVENTORY WASTE PROFILE

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<b>Waste Stream Description</b>	This waste stream consists of debris generated as a result of decommissioning 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.
<b>Waste Stream Source Description</b>	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.
<b>EPA Comments</b>	N/A
<b>Management Comments</b>	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.
<b>Acceptance Comments</b>	* 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.
<b>Final Form Comments</b>	N/A



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TWBIR ID: **WV-T019**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	N/A	Handling	RH	Stream Name	FRS Pool Filters			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Filter	Waste Matrix Code	S5410

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	No Final Form Radionuclides Provided
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	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		
	Cellulosics	0.00	0.00	0.00				
	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	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-T019													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
Box / 90 cubic ft. Waste	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
<b>As-Generated</b>	<b>Stored</b> 0.0	<b>Projected</b> 15.3	<b>Total</b> 15.3				<b>Final Form</b>	<b>Stored</b> 0.0	<b>Projected</b> 20.6	<b>Total</b> 20.6			

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TWBIR ID: **WV-T019**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Waste Stream Description** This waste stream consists of cartridge filters stored in shield boxes

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**Waste Stream Source Description** N/A

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**Current Container Comments** Filters will be repackaged and stored in 55-gallon drums at a later date.

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

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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	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	WV	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
<b>As-Generated</b>	<b>Material Parameter</b>	<b>Average</b>	<b>Lower</b>	<b>Upper</b>	<b>Category:</b>	Defense TRU Waste*	N/A	
N/A	Iron-Base Metal/Alloys	0.00	0.00	0.00	<b>Residues:</b>	No		
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	<b>Asbestos:</b>	No		
	Other Metal/Alloys	0.00	0.00	0.00	<b>PCBs:</b>	No		
	Other Inorganic Materials	1.00	0.00	0.00	<b>Source:</b>	Remediation/D&D Waste		
	Cellulosics	0.00	0.00	0.00				
	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	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							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	0.0	<b>Projected</b>	226.7	<b>Total</b>	226.7	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	226.7	<b>Total</b>	226.7

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TWBIR ID: **WV-T020**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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<b>Waste Stream Description</b>	This waste stream consists of PPE, piping, vessels, hoses, and other DAW.
<b>Waste Stream Source Description</b>	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.
<b>EPA Comments</b>	N/A
<b>Management Comments</b>	N/A
<b>Acceptance Comments</b>	* Pending Defense Determination
<b>Final Form Comments</b>	N/A

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TWBIR ID: **WV-T021**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	N/A	Handling	CH	Stream Name	RHWF Process			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	WV	Final Waste Form	Heterogeneous Debris		
EPA Codes		Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes		No Final Form Radionuclides Provided

<b>As-Generated</b>
N/A

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	10.00	0.00	0.00
Other Inorganic Materials	10.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
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	131.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Category:	Defense TRU Waste*	TRUCON Codes	N/A
Residues:	No		
Asbestos:	No		
PCBs:	No		
Source:	Remediation/D&D Waste		

Waste Volume Detail (Cubic meters) for TWBIR ID : WV-T021													
As-Generated Volumes						Final Form Volumes							
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	0.0	<b>Projected</b>	80.7	<b>Total</b>	80.7	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	80.7	<b>Total</b>	80.7

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TWBIR ID: **WV-T021**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**Waste Stream Description** This waste consists of misc. metals, filters and plastics.

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**Waste Stream Source Description** N/A

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**Current Container Comments** CH TRU will be repackaged into 55 gallon drums.

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**EPA Comments** N/A

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**Management Comments** N/A

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**Acceptance Comments** \* Pending Defense Determination

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**Final Form Comments** N/A

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TWBIR ID: **WV-W024**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-W024	Handling	CH	Stream Name	TRU Lead			Inventory Date	9/30/2002
Local ID	NA	Waste Type	MTRU	Generator Site	WV	Final Waste Form	Lead/Cadmium Metal	Waste Matrix Code	S5112

EPA Codes	
As-Generated	D008

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	0.00	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
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	131.00			
Packaging Material, Plastic	37.00			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste*	N/A
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	Discarding Excess/Expired Materials	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	
Ba-137m	
Cs-137	
Pu	
Sr-90	
U	
Y-90	

Waste Volume Detail (Cubic meters) for TWBIR ID : WV-W024													
As-Generated Volumes							Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	Total
55-GALLON DRUM	1.7	0.0	0.0	0.0	0.0	1.7	55 Gallon Drum	19.3	0.0	0.0	0.0	0.0	19.3
BOX / 444 cubic ft	12.6	0.0	0.0	0.0	0.0	12.6							
Box / 90 cubic ft. Waste	5.1	0.0	0.0	0.0	0.0	5.1							
<b>As-Generated</b>	<b>Stored</b>	<b>19.3</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>19.3</b>	<b>Final Form</b>	<b>Stored</b>	<b>19.3</b>	<b>Projected</b>	<b>0.0</b>	<b>Total</b>	<b>19.3</b>

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TWBIR ID: **WV-W024**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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**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.

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**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.

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**Current Container Comments** Currently stored in 55-gallon drums.

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**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.

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**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.

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**Acceptance Comments** \* Pending Defense Determination

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**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.



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TWBIR ID: **WV-Z001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

HQ ID	WV-Z001	Handling	U	Stream Name	West Valley Buried TRU Waste			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	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
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste*	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/A		
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	N/A		
	Other Inorganic Materials	0.00	0.00	0.00	Source:	N/A		
	Cellulosics	0.00	0.00	0.00				
	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	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						
ContainerType	Stored End of CY 2001	Projected				Total	ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036				2002-2006	2007-2016	2017-2026	2027-2036	
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
<b>As-Generated</b>	<b>Stored</b>	1353.0	<b>Projected</b>	0.0	<b>Total</b>	1353.0	<b>Final Form</b>	<b>Stored</b>	0.0	<b>Projected</b>	0.0	<b>Total</b>	0.0

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TWBIR ID: **WV-Z001**

**Annex I**

**TRU WASTE BASELINE INVENTORY WASTE PROFILE**

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