

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

TWBIR ID: RL-W683

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W683	Handling	RH	Stream Name	327 TRU RH uncategorized metal S5119 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5119

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	4232.25	4223.03	4237.64	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	9.33	3.93	18.54	
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	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	4.23E+01
Cs-137	7.53E+03
Pu-238	7.59E+01
Pu-239	1.07E+02
Pu-240	7.32E+01
Pu-241	6.21E+03
Pu-242	7.05E-02
Sm-151	3.31E+02
Sr-90	2.76E+03
U-234	3.81E-03
U-235	2.96E-03
U-236	2.30E-04
U-238	2.46E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W683													
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			

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W685

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W685	Handling	CH	Stream Name	327C TRU CH 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

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	896.00	896.00	896.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	48.00	48.00	48.00	
Other Inorganic Materials	380.00	380.00	380.00	
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	140.47			
Packaging Material, Plastic	22.26			
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:	Materials Production/Recovery Effluents	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.47E-03
Pu-238	4.18E-04
Pu-239	1.59E-02
Pu-240	3.57E-03
Pu-241	4.79E-02
Pu-242	2.15E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W685													
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	2.7	27.9	10.1	0.0	0.0	40.7	55 Gallon Drum	2.7	0.0	0.0	0.0	0.0	40.7
Standard Waste Box	0.0	20.9	7.6	0.0	0.0	28.5	Standard Waste Box	0.0	0.0	0.0	0.0	0.0	28.5
As-Generated	Stored 2.7	Projected 66.5	Total 69.2		Final Form				Stored 2.7	Projected 66.5	Total 69.2		

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.
Waste Stream Source Description	The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W686	Handling	RH	Stream Name	327C TRU RH 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

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	1.89	1.89	1.89
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00
	Other Metal/Alloys	0.38	0.38	0.38
	Other Inorganic Materials	0.00	0.00	0.00
	Cellulosics	0.38	0.38	0.38
	Rubber	0.00	0.00	0.00
	Plastics	4.53	4.53	4.53
	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: Defense TRU Waste	N/A
Residues: No	
Asbestos: N/A	
PCBs: No	
Source: Materials Production/Recovery Effluents	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.71E-03
Ba-137m	2.22E-01
Cs-137	2.41E-01
Pu-238	5.51E-04
Pu-239	3.85E-03
Pu-240	1.92E-03
Pu-241	6.17E-02
Pu-242	5.64E-08
Sr-90	2.18E-01
Tc-99	5.90E-05
Y-90	2.18E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W686													
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				

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.

Waste Stream Source Description The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W687	Handling	RH	Stream Name	327C 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

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	7.85	7.85	15.32	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	8.87	2.68	11.49	
Other Inorganic Materials	5.38	0.23	16.54	
Cellulosics	1.15	1.05	1.24	
Rubber	0.00	0.00	0.00	
Plastics	2.40	0.92	3.22	
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:	Defense TRU Waste	N/A
Residues:	No	
Asbestos:	N/A	
PCBs:	No	
Source:	Materials Production/Recovery Effluents	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.07E+00
Ba-137m	8.12E+00
Cs-137	8.83E+00
Pu-238	3.31E-01
Pu-239	2.32E+00
Pu-240	1.16E+00
Pu-241	3.60E+01
Pu-242	3.41E-05
Sr-90	7.99E+00
Tc-99	2.18E-03
Y-90	7.99E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W687													
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			

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.

Waste Stream Source Description The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W688	Handling	RH	Stream Name	327C 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
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	43.79	16.04	96.27	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	21.71	6.42	77.02	
Other Inorganic Materials	7.18	1.93	107.39	
Cellulosics	12.89	6.42	20.06	
Rubber	0.09	0.09	1.60	
Plastics	59.40	38.51	72.20	
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:	Defense TRU Waste	N/A
Residues:	No	
Asbestos:	N/A	
PCBs:	No	
Source:	Materials Production/Recovery Effluents	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	4.17E+00
Ba-137m	1.90E+01
Cs-137	2.07E+01
Pu-238	1.30E+00
Pu-239	9.11E+00
Pu-240	4.53E+00
Pu-241	1.42E+02
Pu-242	1.34E-04
Sr-90	1.87E+01
Tc-99	5.13E-03
Y-90	1.87E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W688													
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		

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.
Waste Stream Source Description	The waste is generated from Materials Production/Recovery Effluents activities at the POST IRRADIATION TEST LABORATORY C CELL.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W689

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W689	Handling	CH	Stream Name	340 MTRU CH heterogeneous S5440 Mixed RCRA w/ org			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	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	0.00	0.00	0.00	Residues:	No		Am-241	5.36E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	1.66E-01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	1.75E-01
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	3.42E-03
	Cellulosics	9.52	9.52	9.52				Pu-239	1.84E-03
	Rubber	7.14	7.14	7.14				Pu-241	3.13E-02
	Plastics	7.14	7.14	7.14				Sr-90	3.25E-02
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Y-90	3.25E-02
	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	4.76	4.76	4.76					
	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-W689													
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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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the WASTE NEUTRALIZATION FACILITY.

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W690

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W690	Handling	CH	Stream Name	340 TRU CH uncategorized metal S5119 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5119

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	4.38E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	3.86E-02
	Other Metal/Alloys	411.92	0.00	0.00	PCBs:	No		Cs-137	4.20E-02
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	1.27E-01
	Cellulosics	1.22	0.00	0.00				Pu-239	4.88E+00
	Rubber	1.82	0.00	0.00				Pu-240	1.09E+00
	Plastics	18.16	0.00	0.00				Pu-241	1.43E+01
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	6.58E-05
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.79E-02
	Vitrified	0.00	0.00	0.00				Tc-99	1.05E-05
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	3.79E-02
	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-W690													
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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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the WASTE NEUTRALIZATION FACILITY.

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

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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TWBIR ID: RL-W691

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W691	Handling	CH	Stream Name	340 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

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	2.03E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	3.86E-02
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	4.20E-02
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	5.91E-03
	Cellulosics	0.00	0.00	0.00				Pu-239	2.26E-01
	Rubber	0.00	0.00	0.00				Pu-240	5.06E-02
	Plastics	145.40	0.00	0.00				Pu-241	6.63E-01
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	3.05E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.79E-02
	Vitrified	0.00	0.00	0.00				Tc-99	1.05E-05
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	3.79E-02
	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-W691													
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-W691

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the WASTE NEUTRALIZATION FACILITY.

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

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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TWBIR ID: RL-W692

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W692	Handling	CH	Stream Name	340 TRU CH combustible S5390 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	S5390

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	4.02E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	3.86E-02
	Other Metal/Alloys	72.70	0.00	0.00	PCBs:	No		Cs-137	4.20E-02
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	1.17E-01
	Cellulosics	76.93	0.00	0.00				Pu-239	4.48E+00
	Rubber	0.60	0.00	0.00				Pu-240	1.00E+00
	Plastics	36.35	0.00	0.00				Pu-241	1.31E+01
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	6.04E-05
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.79E-02
	Vitrified	0.00	0.00	0.00				Tc-99	1.05E-05
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	3.79E-02
	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-W692													
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-W692

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the WASTE NEUTRALIZATION FACILITY.

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

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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TWBIR ID: RL-W693

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W693	Handling	CH	Stream Name	340 TRU CH 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

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	3.31E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	3.86E-02
	Other Metal/Alloys	129.24	0.00	0.00	PCBs:	No		Cs-137	4.20E-02
	Other Inorganic Materials	255.78	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	9.63E-02
	Cellulosics	18.17	0.00	0.00				Pu-239	3.69E+00
	Rubber	0.00	0.00	0.00				Pu-240	8.26E-01
	Plastics	36.34	0.00	0.00				Pu-241	1.08E+01
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	4.97E-05
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.79E-02
	Vitrified	0.00	0.00	0.00				Tc-99	1.05E-05
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	3.79E-02
	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-W693													
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
As-Generated	Stored 0.6	Projected 0.0	Total 0.6				Final Form	Stored 0.6	Projected 0.0	Total 0.6			

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TWBIR ID: RL-W693

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the WASTE NEUTRALIZATION FACILITY.

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

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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TWBIR ID: RL-W694

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W694	Handling	CH	Stream Name	340 TRU CH 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	0.00	0.00	0.00	Residues:	No		Am-241	9.47E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	3.86E-02
	Other Metal/Alloys	103.54	0.00	0.00	PCBs:	No		Cs-137	4.20E-02
	Other Inorganic Materials	30.55	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	2.76E-01
	Cellulosics	28.86	0.00	0.00				Pu-239	1.06E+01
	Rubber	1.66	0.00	0.00				Pu-240	2.36E+00
	Plastics	72.04	0.00	0.00				Pu-241	3.10E+01
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	1.42E-04
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.79E-02
	Vitrified	0.00	0.00	0.00				Tc-99	1.05E-05
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	3.79E-02
	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-W694													
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	2.3	0.0	0.0	0.0	0.0	2.3	55-Gallon Drum	2.3	0.0	0.0	0.0	0.0	2.3
As-Generated	Stored 2.3	Projected 0.0	Total 2.3			Final Form	Stored 2.3	Projected 0.0	Total 2.3				

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TWBIR ID: RL-W694

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the WASTE NEUTRALIZATION FACILITY.

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

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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TWBIR ID: RL-W695

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W695	Handling	CH	Stream Name	3720 TRU CH 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	0.00	0.00	0.00	Residues:	No		Am-241	4.55E-03
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-239	2.84E-03
	Other Metal/Alloys	65.71	31.51	94.54	PCBs:	No			
	Other Inorganic Materials	13.10	13.10	18.91	Source:	R&D/R&D Laboratory Waste			
	Cellulosics	53.71	31.51	81.93					
	Rubber	65.48	65.48	94.54					
	Plastics	79.81	19.68	113.44					
	Solidified, Inorganic Matrix	19.10	14.81	25.21					
	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	2.38	2.38	6.30					
	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-W695													
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: RL-W695

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W696

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W696	Handling	CH	Stream Name	3720 TRU CH 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	
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	20.60	20.60	20.60	
Other Inorganic Materials	7.05	7.05	7.05	
Cellulosics	0.00	0.00	0.00	
Rubber	15.14	15.14	15.14	
Plastics	5.50	5.50	5.50	
Solidified, Inorganic Matrix	30.29	30.29	30.29	
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			

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	7.71E-03
Pu-238	1.10E-02
Pu-239	1.39E-02
Pu-240	1.37E-02
Pu-241	4.63E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W696													
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
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-W696

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W697

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W697	Handling	CH	Stream Name	3720 TRU CH 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

EPA Codes	
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	48.48	0.00	0.00	
Other Inorganic Materials	29.10	0.00	0.00	
Cellulosics	0.00	0.00	0.00	
Rubber	0.00	0.00	0.00	
Plastics	43.60	0.00	0.00	
Solidified, Inorganic Matrix	96.92	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:	N/A	
PCBs:	No	
Source:	R&D/R&D Laboratory Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	5.54E+00
Pu-238	2.34E+01
Pu-239	3.33E-02
Pu-240	4.60E-03
Pu-242	1.38E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W697													
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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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMISTRY AND METAL SCIENCES LABORATORY.

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMISTRY AND METAL SCIENCES LABORATORY.

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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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W698	Handling	CH	Stream Name	622F TRU CH 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	0.00	0.00	0.00	Residues:	No		Am-241	4.75E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	4.35E-01
	Other Metal/Alloys	20.67	20.67	20.67	PCBs:	No		Cs-137	4.60E-01
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-239	1.57E-04
	Cellulosics	0.00	0.00	0.00					
	Rubber	0.00	0.00	0.00					
	Plastics	61.14	61.14	61.14					
	Solidified, Inorganic Matrix	6.48	6.48	6.48					
	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	4.57	4.57	4.57					
	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-W698													
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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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W699

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W699	Handling	CH	Stream Name	6652H TRU CH soils S4100 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	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	0.00	0.00	0.00	Residues:	No		Am-241	1.94E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	7.78E-04
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	5.28E-03
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-240	6.25E-04
	Cellulosics	0.00	0.00	0.00				Pu-241	9.83E-01
	Rubber	0.00	0.00	0.00				Pu-242	1.07E-09
	Plastics	132.22	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	603.36	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-W699													
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-W699

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the ALE LABORATORY 1.

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the ALE LABORATORY 1.

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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TWBIR ID: RL-W700

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W700	Handling	CH	Stream Name	ARGON TRU CH Pb/Cd metal X7219 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	AE	Final Waste Form	Lead/Cadmium Metal	Waste Matrix Code	X7219

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	1120.00	1120.00	1120.00	Residues:	No		Am-241	2.09E-03
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	6.75E-04
	Other Metal/Alloys	134.40	134.40	134.40	PCBs:	No		Pu-239	2.53E-02
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-240	5.67E-03
	Cellulosics	0.00	0.00	0.00				Pu-241	8.38E-02
	Rubber	0.00	0.00	0.00				Pu-242	3.42E-07
	Plastics	0.00	0.00	0.00					
	Solidified, Inorganic Matrix	167.20	167.20	167.20					
	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-W700													
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	0.0	0.0	0.0	0.0	1.3	55 Gallon Drum	1.3	0.0	0.0	0.0	0.0	1.3
As-Generated	Stored 1.3	Projected 0.0	Total 1.3			Final Form	Stored 1.3	Projected 0.0	Total 1.3				

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TWBIR ID: RL-W700

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the Argonne National Laboratory - East (IL).

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the Argonne National Laboratory - East (IL).

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W701

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W701	Handling	RH	Stream Name	BATCO MTRU RH Pb/Cd metal X7219 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Lead/Cadmium Metal	Waste Matrix Code	X7219

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	1377.22	1377.22	1377.22	Residues:	No		Am-241	3.22E-08
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	9.18E-09
	Other Metal/Alloys	12.30	12.30	12.30	PCBs:	No		Pu-239	3.50E-07
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-240	7.84E-08
	Cellulosics	0.00	0.00	0.00				Pu-241	1.05E-06
	Rubber	0.00	0.00	0.00				Pu-242	4.72E-12
	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							

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W701													
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	

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TWBIR ID: RL-W701

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the Battelle Columbus (OH).

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the Battelle Columbus (OH).

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W702

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W702	Handling	CH	Stream Name	CUPRC TRU CH soils S4100 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	RL	Final Waste Form	Soils	Waste Matrix Code	S4100

EPA Codes	
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	9.71	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	23.28	0.00	0.00	
Solidified, Inorganic Matrix	3.89	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	613.84	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:	N/A	
PCBs:	No	
Source:	R&D/R&D Laboratory Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Ba-137m	0.00E+00
Cs-137	0.00E+00
Sr-90	0.00E+00
Tc-99	0.00E+00
Y-90	0.00E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W702													
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-W702

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from R&D/R&D Laboratory Waste activities at the CEER University Laboratory.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the CEER University Laboratory.
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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TWBIR ID: RL-W703

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W703	Handling	CH	Stream Name	CUPRC TRU CH inorganic non-metal S5121 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Inorganic Non-Metal	Waste Matrix Code	S5121

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		Ba-137m	3.95E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Cs-137	4.29E-02
	Other Metal/Alloys	48.48	0.00	0.00	PCBs:	No		Sr-90	3.89E-02
	Other Inorganic Materials	690.56	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Tc-99	1.05E-05
	Cellulosics	0.00	0.00	0.00				Y-90	3.89E-02
	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-W703													
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-W703

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the CEER University Laboratory.

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the CEER University Laboratory.

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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TWBIR ID: RL-W704

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W704	Handling	CH	Stream Name	ESG MTRU CH heterogeneous S5440 Mixed RCRA w/ met			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RL	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:	Non-defense TRU Waste	N/A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	146.40	134.40	158.40	Residues:	No		Am-241	4.18E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	9.28E-02
	Other Metal/Alloys	28.80	28.80	57.60	PCBs:	No		Cs-137	9.81E-02
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		H-3	1.53E-03
	Cellulosics	55.44	7.20	103.68				Pu-238	5.72E-01
	Rubber	34.80	34.80	69.60				Pu-239	4.75E-01
	Plastics	0.00	0.00	0.00				Pu-240	1.96E-01
	Solidified, Inorganic Matrix	9.60	9.60	19.20				Pu-241	5.00E+00
	Cement (Solidified)	0.00	0.00	0.00				Pu-242	3.32E-05
	Vitrified	0.00	0.00	0.00				Sr-90	1.70E-01
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	1.70E-01
	Soils	95.00	95.00	190.00					
	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-W704													
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-W704

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	For convenience projected waste generation has been inserted into streams which have the largest existing volume relative to the generator source

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TWBIR ID: RL-W705

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W705	Handling	CH	Stream Name	ESG TRU CH 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

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	1.14E-03
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	3.42E-03
	Other Metal/Alloys	1.61	0.00	0.00	PCBs:	No		Cs-137	3.72E-03
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	3.54E-04
	Cellulosics	0.00	0.00	0.00				Pu-239	1.34E-02
	Rubber	0.00	0.00	0.00				Pu-240	3.01E-03
	Plastics	0.00	0.00	0.00				Pu-241	4.13E-02
	Solidified, Inorganic Matrix	193.20	0.00	0.00				Pu-242	1.81E-07
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.37E-03
	Vitrified	0.00	0.00	0.00				Tc-99	9.12E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	3.37E-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-W705													
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
As-Generated	Stored 0.6	Projected 0.0	Total 0.6			Final Form	Stored 0.6	Projected 0.0	Total 0.6				

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TWBIR ID: RL-W705

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

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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TWBIR ID: RL-W706

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W706	Handling	CH	Stream Name	ESG TRU CH soils S4100 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	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:	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		Ba-137m	2.84E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Cs-137	3.09E-01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Sr-90	2.80E-01
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Tc-99	7.57E-05
	Cellulosics	0.00	0.00	0.00				Y-90	2.80E-01
	Rubber	0.00	0.00	0.00					
	Plastics	0.00	0.00	0.00					
	Solidified, Inorganic Matrix	132.56	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	583.16	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-W706													
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-W706

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

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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TWBIR ID: RL-W707

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W707	Handling	CH	Stream Name	ESG TRU CH uncategorized metal S5119 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5119

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	354.87	0.00	0.00	Residues:	No		Am-241	1.36E-02
	Aluminum-Base Metal/Alloys	0.22	0.00	0.00	Asbestos:	N/A		Ba-137m	1.67E-04
	Other Metal/Alloys	101.73	0.00	0.00	PCBs:	No		Cs-137	1.81E-04
	Other Inorganic Materials	6.14	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	4.20E-03
	Cellulosics	0.00	0.00	0.00				Pu-239	1.59E-01
	Rubber	0.00	0.00	0.00				Pu-240	3.57E-02
	Plastics	1.62	0.00	0.00				Pu-241	4.90E-01
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	2.15E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	1.64E-04
	Vitrified	0.00	0.00	0.00				Tc-99	4.44E-08
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	1.64E-04
	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-W707													
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-W707

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).
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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TWBIR ID: RL-W708

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W708	Handling	CH	Stream Name	ESG 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

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	6.16E-03
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	7.90E-05
	Other Metal/Alloys	9.70	0.00	0.00	PCBs:	No		Cs-137	8.59E-05
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	1.91E-03
	Cellulosics	9.70	0.00	0.00				Pu-239	7.24E-02
	Rubber	80.77	0.00	0.00				Pu-240	1.62E-02
	Plastics	24.23	0.00	0.00				Pu-241	2.23E-01
	Solidified, Inorganic Matrix	12.92	0.00	0.00				Pu-242	9.76E-07
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	7.77E-05
	Vitrified	0.00	0.00	0.00				Tc-99	2.10E-08
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	7.77E-05
	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-W708													
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
As-Generated	Stored 0.6	Projected 0.0	Total 0.6			Final Form	Stored 0.6	Projected 0.0	Total 0.6				

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TWBIR ID: RL-W708

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

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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TWBIR ID: RL-W709

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W709	Handling	CH	Stream Name	ESG TRU CH combustible S5320 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	S5320

EPA Codes	
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	29.10	0.00	0.00	
Other Metal/Alloys	24.22	0.00	0.00	
Other Inorganic Materials	0.00	0.00	0.00	
Cellulosics	116.30	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:	N/A	
PCBs:	No	
Source:	R&D/R&D Laboratory Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	6.38E+00
Ba-137m	3.95E-03
Cs-137	4.29E-03
Pu-238	1.97E+00
Pu-239	7.50E+01
Pu-240	1.68E+01
Pu-241	2.31E+02
Pu-242	1.01E-03
Sr-90	3.89E-03
Tc-99	1.05E-06
Y-90	3.89E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W709													
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-W709

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

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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TWBIR ID: RL-W710

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W710	Handling	CH	Stream Name	ESG TRU CH combustible S5330 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	S5330

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	48.48	0.00	0.00	Residues:	No		Am-241	3.81E-04
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	7.90E-05
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	8.59E-05
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	1.18E-04
	Cellulosics	109.02	0.00	0.00				Pu-239	4.48E-03
	Rubber	0.00	0.00	0.00				Pu-240	1.00E-03
	Plastics	0.00	0.00	0.00				Pu-241	1.38E-02
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	6.04E-08
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	7.77E-05
	Vitrified	0.00	0.00	0.00				Tc-99	2.10E-08
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	7.77E-05
	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-W710													
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-W710

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

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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TWBIR ID: RL-W711

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W711	Handling	CH	Stream Name	ESG TRU CH 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

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	169.61	0.00	0.00	Residues:	No		Am-241	1.19E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	3.95E-04
	Other Metal/Alloys	145.39	0.00	0.00	PCBs:	No		Cs-137	4.29E-04
	Other Inorganic Materials	61.06	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	3.68E-02
	Cellulosics	0.00	0.00	0.00				Pu-239	1.40E+00
	Rubber	0.00	0.00	0.00				Pu-240	3.13E-01
	Plastics	5.82	0.00	0.00				Pu-241	4.30E+00
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	1.88E-05
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.89E-04
	Vitrified	0.00	0.00	0.00				Tc-99	1.05E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	3.89E-04
	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-W711													
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-W711

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).
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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TWBIR ID: RL-W712

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W712	Handling	CH	Stream Name	ESG TRU CH 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	0.00	0.00	0.00	Residues:	No		Am-241	1.54E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	9.48E-04
	Other Metal/Alloys	4.84	0.00	0.00	PCBs:	No		Cs-137	1.03E-03
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	4.76E-02
	Cellulosics	65.42	0.00	0.00				Pu-239	1.81E+00
	Rubber	36.33	0.00	0.00				Pu-240	4.05E-01
	Plastics	14.55	0.00	0.00				Pu-241	5.56E+00
	Solidified, Inorganic Matrix	9.71	0.00	0.00				Pu-242	2.44E-05
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	9.33E-04
	Vitrified	0.00	0.00	0.00				Tc-99	2.52E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	9.33E-04
	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-W712													
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-W712

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

Waste Stream Source Description The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).

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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TWBIR ID: RL-W713

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W713	Handling	CH	Stream Name	ESG TRU CH 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	1.33E-01
	Aluminum-Base Metal/Alloys	7.74	0.00	0.00	Asbestos:	N/A		Ba-137m	3.95E-03
	Other Metal/Alloys	67.86	0.00	0.00	PCBs:	No		Cs-137	4.29E-03
	Other Inorganic Materials	40.69	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	4.11E-02
	Cellulosics	48.48	0.00	0.00				Pu-239	1.56E+00
	Rubber	0.00	0.00	0.00				Pu-240	3.50E-01
	Plastics	0.00	0.00	0.00				Pu-241	4.81E+00
	Solidified, Inorganic Matrix	54.26	0.00	0.00				Pu-242	2.11E-05
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	3.89E-03
	Vitrified	0.00	0.00	0.00				Tc-99	1.05E-06
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	3.89E-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-W713													
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-W713

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Rockwell International, Energy Systems Group (CA).
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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TWBIR ID: RL-W714

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W714	Handling	CH	Stream Name	KAPL TRU CH 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

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		H-3	7.45E-07
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Y-90	1.76E-08
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No			
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance 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	1.20	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-W714													
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-W714

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the Knolls Atomic Power Laboratory.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the Knolls Atomic Power Laboratory.

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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TWBIR ID: RL-W715

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W715	Handling	CH	Stream Name	MCGEE TRU CH 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

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	19.20	19.20	38.40	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	2.40	2.40	4.80	
Other Inorganic Materials	48.52	48.52	97.04	
Cellulosics	2.88	2.88	5.76	
Rubber	0.00	0.00	0.00	
Plastics	3.60	1.44	5.76	
Solidified, Inorganic Matrix	227.16	161.28	293.04	
Cement (Solidified)	0.00	0.00	0.00	
Vitrified	0.00	0.00	0.00	
Solidified, Organic Matrix	17.28	5.76	28.80	
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	1.20E-03
Pu-238	3.43E-04
Pu-239	1.31E-02
Pu-240	2.93E-03
Pu-241	3.92E-02
Pu-242	1.76E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W715													
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-W715

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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Annex J

TWBIR ID: RL-W716

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W716	Handling	CH	Stream Name	MCGEE TRU CH uncategorized metal S5119 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5119

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	388.80	369.60	408.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	5.00	5.00	20.00	
Other Inorganic Materials	24.70	24.70	98.80	
Cellulosics	6.36	6.36	18.72	
Rubber	0.90	0.90	2.40	
Plastics	6.84	1.44	17.28	
Solidified, Inorganic Matrix	18.20	5.60	39.20	
Cement (Solidified)	0.00	0.00	0.00	
Vitrified	0.00	0.00	0.00	
Solidified, Organic Matrix	2.88	1.92	9.60	
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	6.25E-03
Pu-238	1.78E-03
Pu-239	6.80E-02
Pu-240	1.52E-02
Pu-241	2.04E-01
Pu-242	9.18E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W716													
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	0.8	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: RL-W716

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W717

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W717	Handling	CH	Stream Name	MCGEE MTRU CH uncategorized metal S5119 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5119

EPA Codes	
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	480.00	480.00	480.00	
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:	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	6.25E-03
Pu-238	1.78E-03
Pu-239	6.80E-02
Pu-240	1.52E-02
Pu-241	2.04E-01
Pu-242	9.18E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W717													
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
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-W717

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W718

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W718	Handling	CH	Stream Name	MCGEE TRU CH combustible S5330 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	S5330

EPA Codes	
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	3.84	0.96	6.72	
Cellulosics	109.80	102.00	117.60	
Rubber	0.00	0.00	0.00	
Plastics	4.32	1.44	7.20	
Solidified, Inorganic Matrix	2.88	2.88	5.76	
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	5.51E-04
Pu-238	1.57E-04
Pu-239	6.00E-03
Pu-240	1.34E-03
Pu-241	1.80E-02
Pu-242	8.09E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W718													
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-W718

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W719

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W719	Handling	CH	Stream Name	MCGEE TRU CH 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

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	232.80	201.60	264.00	
Aluminum-Base Metal/Alloys	5.76	5.76	11.52	
Other Metal/Alloys	26.40	19.20	33.60	
Other Inorganic Materials	10.08	10.08	20.16	
Cellulosics	2.40	1.20	3.60	
Rubber	0.00	0.00	0.00	
Plastics	17.28	5.76	28.80	
Solidified, Inorganic Matrix	28.80	5.76	51.84	
Cement (Solidified)	0.00	0.00	0.00	
Vitrified	0.00	0.00	0.00	
Solidified, Organic Matrix	6.72	5.76	7.68	
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	2.49E-03
Pu-238	7.10E-04
Pu-239	2.71E-02
Pu-240	6.06E-03
Pu-241	8.13E-02
Pu-242	3.65E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W719													
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-W719

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W720

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W720	Handling	CH	Stream Name	MCGEE TRU CH 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	
As-Generated	
N/A	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	79.60	48.00	182.40	
Aluminum-Base Metal/Alloys	3.84	1.92	21.12	
Other Metal/Alloys	24.87	4.80	76.80	
Other Inorganic Materials	19.30	0.96	76.00	
Cellulosics	28.50	3.60	91.20	
Rubber	5.80	1.20	28.80	
Plastics	48.12	7.20	86.40	
Solidified, Inorganic Matrix	20.27	5.60	173.60	
Cement (Solidified)	0.00	0.00	0.00	
Vitrified	0.00	0.00	0.00	
Solidified, Organic Matrix	4.32	4.32	15.36	
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	2.57E-03
Pu-238	7.32E-04
Pu-239	2.79E-02
Pu-240	6.25E-03
Pu-241	8.38E-02
Pu-242	3.77E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W720													
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	2.5	0.0	0.0	0.0	0.0	2.5	55 Gallon Drum	2.5	0.0	0.0	0.0	0.0	2.5
As-Generated	Stored 2.5	Projected 0.0	Total 2.5			Final Form	Stored 2.5	Projected 0.0	Total 2.5				

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W721

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W721	Handling	CH	Stream Name	MCGEE TRU CH 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	140.95	14.40	230.40	Residues:	No		Am-241	1.90E-03
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	5.41E-04
	Other Metal/Alloys	12.65	4.80	57.60	PCBs:	No		Pu-239	2.06E-02
	Other Inorganic Materials	27.35	3.84	144.40	Source:	R&D/R&D Laboratory Waste		Pu-240	4.62E-03
	Cellulosics	10.34	1.20	39.36				Pu-241	6.19E-02
	Rubber	1.53	1.20	6.00				Pu-242	2.78E-07
	Plastics	34.17	5.76	70.56					
	Solidified, Inorganic Matrix	28.74	11.20	106.40					
	Cement (Solidified)	0.00	0.00	0.00					
	Vitrified	0.00	0.00	0.00					
	Solidified, Organic Matrix	23.21	5.76	55.68					
	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-W721													
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	2.3	0.0	0.0	0.0	0.0	2.3	55 Gallon Drum	2.3	0.0	0.0	0.0	0.0	2.3
As-Generated	Stored 2.3	Projected 0.0	Total 2.3			Final Form	Stored 2.3	Projected 0.0	Total 2.3				

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TWBIR ID: RL-W721

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W723

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W723	Handling	CH	Stream Name	MCGEE TRU CH 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

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	69.46	0.00	0.00	Residues:	No		Am-241	2.32E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	1.54E-04
	Other Metal/Alloys	4.85	0.00	0.00	PCBs:	No		Cs-137	1.68E-04
	Other Inorganic Materials	12.92	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	6.77E-03
	Cellulosics	0.00	0.00	0.00				Pu-239	2.59E-01
	Rubber	0.00	0.00	0.00				Pu-240	5.80E-02
	Plastics	1.45	0.00	0.00				Pu-241	7.59E-01
	Solidified, Inorganic Matrix	272.06	0.00	0.00				Pu-242	3.49E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	1.52E-04
	Vitrified	0.00	0.00	0.00				Tc-99	4.21E-08
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	1.52E-04
	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-W723													
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
As-Generated	Stored 0.6	Projected 0.0	Total 0.6			Final Form	Stored 0.6	Projected 0.0	Total 0.6				

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TWBIR ID: RL-W723

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

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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TWBIR ID: RL-W724

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W724	Handling	CH	Stream Name	MCGEE TRU CH uncategorized metal S5119 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5119

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	322.87	0.00	0.00	Residues:	No		Am-241	2.90E-02
	Aluminum-Base Metal/Alloys	3.75	0.00	0.00	Asbestos:	N/A		Ba-137m	2.64E-03
	Other Metal/Alloys	91.02	0.00	0.00	PCBs:	No		Cs-137	2.87E-03
	Other Inorganic Materials	11.56	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	8.45E-03
	Cellulosics	0.09	0.00	0.00				Pu-239	3.23E-01
	Rubber	0.76	0.00	0.00				Pu-240	7.25E-02
	Plastics	9.72	0.00	0.00				Pu-241	9.48E-01
	Solidified, Inorganic Matrix	0.36	0.00	0.00				Pu-242	4.36E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	2.59E-03
	Vitrified	0.00	0.00	0.00				Tc-99	7.19E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	2.59E-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-W724													
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	3.3	0.0	0.0	0.0	0.0	3.3	55-Gallon Drum	3.3	0.0	0.0	0.0	0.0	3.3
As-Generated	Stored 3.3	Projected 0.0	Total 3.3			Final Form	Stored 3.3	Projected 0.0	Total 3.3				

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TWBIR ID: RL-W724

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

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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TWBIR ID: RL-W725

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W725	Handling	CH	Stream Name	MCGEE 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

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	17.77	0.00	0.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	3.23	0.00	0.00	
Other Inorganic Materials	24.30	0.00	0.00	
Cellulosics	4.61	0.00	0.00	
Rubber	0.00	0.00	0.00	
Plastics	124.79	0.00	0.00	
Solidified, Inorganic Matrix	14.21	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:	N/A	
PCBs:	No	
Source:	R&D/R&D Laboratory Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.44E-02
Ba-137m	5.28E-04
Cs-137	5.73E-04
Pu-238	7.10E-03
Pu-239	2.72E-01
Pu-240	6.09E-02
Pu-241	7.97E-01
Pu-242	3.67E-06
Sr-90	5.18E-04
Tc-99	1.44E-07
Y-90	5.18E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W725													
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	1.2	0.0	0.0	0.0	0.0	1.2	55-Gallon Drum	1.2	0.0	0.0	0.0	0.0	1.2
As-Generated	Stored 1.2	Projected 0.0	Total 1.2			Final Form	Stored 1.2	Projected 0.0	Total 1.2				

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TWBIR ID: RL-W725

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

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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TWBIR ID: RL-W726

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W726	Handling	CH	Stream Name	MCGEE TRU CH filter S5410 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	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	96.32	0.00	0.00	Residues:	No		Am-241	1.44E-02
	Aluminum-Base Metal/Alloys	1.45	0.00	0.00	Asbestos:	N/A		Ba-137m	6.37E-04
	Other Metal/Alloys	32.21	0.00	0.00	PCBs:	No		Cs-137	6.92E-04
	Other Inorganic Materials	60.29	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	4.20E-03
	Cellulosics	4.76	0.00	0.00				Pu-239	1.61E-01
	Rubber	0.45	0.00	0.00				Pu-240	3.60E-02
	Plastics	11.26	0.00	0.00				Pu-241	4.71E-01
	Solidified, Inorganic Matrix	6.78	0.00	0.00				Pu-242	2.17E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	6.26E-04
	Vitrified	0.00	0.00	0.00				Tc-99	1.74E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	6.26E-04
	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-W726													
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	1.7	0.0	0.0	0.0	0.0	1.7	55-Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7
As-Generated	Stored 1.7	Projected 0.0	Total 1.7			Final Form	Stored 1.7	Projected 0.0	Total 1.7				

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TWBIR ID: RL-W726

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.
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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TWBIR ID: RL-W727

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W727	Handling	CH	Stream Name	MCGEE TRU CH 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

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	182.54	0.00	0.00	Residues:	No		Am-241	2.36E-02
	Aluminum-Base Metal/Alloys	7.11	0.00	0.00	Asbestos:	N/A		Ba-137m	1.61E-03
	Other Metal/Alloys	88.42	0.00	0.00	PCBs:	No		Cs-137	1.75E-03
	Other Inorganic Materials	65.38	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	6.87E-03
	Cellulosics	6.14	0.00	0.00				Pu-239	2.63E-01
	Rubber	1.66	0.00	0.00				Pu-240	5.89E-02
	Plastics	24.42	0.00	0.00				Pu-241	7.71E-01
	Solidified, Inorganic Matrix	11.50	0.00	0.00				Pu-242	3.55E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	1.58E-03
	Vitrified	0.00	0.00	0.00				Tc-99	4.38E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	1.58E-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-W727													
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	6.2	0.0	0.0	0.0	0.0	6.2	55-Gallon Drum	6.2	0.0	0.0	0.0	0.0	6.2
As-Generated	Stored 6.2	Projected 0.0	Total 6.2			Final Form	Stored 6.2	Projected 0.0	Total 6.2				

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TWBIR ID: RL-W727

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

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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TWBIR ID: RL-W728

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W728	Handling	CH	Stream Name	MCGEE TRU CH 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	98.61	0.00	0.00	Residues:	No		Am-241	1.61E-02
	Aluminum-Base Metal/Alloys	0.78	0.00	0.00	Asbestos:	N/A		Ba-137m	1.10E-03
	Other Metal/Alloys	36.84	0.00	0.00	PCBs:	No		Cs-137	1.19E-03
	Other Inorganic Materials	25.62	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	4.70E-03
	Cellulosics	14.31	0.00	0.00				Pu-239	1.80E-01
	Rubber	2.75	0.00	0.00				Pu-240	4.03E-02
	Plastics	70.29	0.00	0.00				Pu-241	5.27E-01
	Solidified, Inorganic Matrix	7.47	0.00	0.00				Pu-242	2.43E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	1.08E-03
	Vitrified	0.00	0.00	0.00				Tc-99	2.99E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	1.08E-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-W728													
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	8.3	0.0	0.0	0.0	0.0	8.3	55-Gallon Drum	8.3	0.0	0.0	0.0	0.0	8.3
As-Generated	Stored 8.3	Projected 0.0	Total 8.3			Final Form	Stored 8.3	Projected 0.0	Total 8.3				

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TWBIR ID: RL-W728

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

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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TWBIR ID: RL-W729

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W729	Handling	CH	Stream Name	MCGEE TRU CH 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	103.50	0.00	0.00	Residues:	No		Am-241	2.13E-02
	Aluminum-Base Metal/Alloys	4.43	0.00	0.00	Asbestos:	N/A		Ba-137m	4.74E-04
	Other Metal/Alloys	16.13	0.00	0.00	PCBs:	No		Cs-137	5.16E-04
	Other Inorganic Materials	73.70	0.00	0.00	Source:	R&D/R&D Laboratory Waste		Pu-238	6.20E-03
	Cellulosics	7.02	0.00	0.00				Pu-239	2.37E-01
	Rubber	2.34	0.00	0.00				Pu-240	5.31E-02
	Plastics	33.96	0.00	0.00				Pu-241	6.95E-01
	Solidified, Inorganic Matrix	35.52	0.00	0.00				Pu-242	3.20E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	4.66E-04
	Vitrified	0.00	0.00	0.00				Tc-99	1.29E-07
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	4.66E-04
	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-W729													
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	2.9	0.0	0.0	0.0	0.0	2.9	55-Gallon Drum	2.9	0.0	0.0	0.0	0.0	2.9
As-Generated	Stored 2.9	Projected 0.0	Total 2.9			Final Form	Stored 2.9	Projected 0.0	Total 2.9				

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TWBIR ID: RL-W729

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the Kerr McGee.
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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TWBIR ID: RL-W730

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W730	Handling	CH	Stream Name	PNL TRU CH 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

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	4.31E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A			
	Other Metal/Alloys	32.03	0.00	0.00	PCBs:	No			
	Other Inorganic Materials	0.00	0.00	0.00	Source:	R&D/R&D Laboratory Waste			
	Cellulosics	0.00	0.00	0.00					
	Rubber	0.00	0.00	0.00					
	Plastics	1.94	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	142.47							
	Packaging Material, Plastic	19.15							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W730													
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	28.5	55-Gallon Drum	0.2	0.0	0.0	0.0	0.0	28.5
Standard Waste Box	0.0	0.0	0.0	0.0	0.0	28.4	Standard Waste Box	0.0	0.0	0.0	0.0	0.0	28.4
As-Generated	Stored 0.2	Projected 56.6	Total 56.8				Final Form	Stored 0.2	Projected 56.6	Total 56.8			

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TWBIR ID: RL-W730

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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

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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TWBIR ID: RL-W731

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W731	Handling	CH	Stream Name	Repackaged MTRU CH solidified inorganic S3119 Mixed RCRA w/ org			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S3119

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	1.67	1.67	1.67
	Other Inorganic Materials	3.57	3.57	3.57
	Cellulosics	4.52	4.52	4.52
	Rubber	0.00	0.00	0.00
	Plastics	35.71	35.71	35.71
	Solidified, Inorganic Matrix	40.24	40.24	40.24
	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: Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	7.91E-05
Ba-137m	1.74E-01
Cs-137	1.84E-01
Pu-239	2.15E-03
Pu-240	8.85E-06
Sr-90	6.34E+00
U-235	5.80E-06
Y-90	6.34E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W731													
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-W731

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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

TWBIR ID: RL-W732

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W732	Handling	CH	Stream Name	Repackaged TRU CH inorganic non-metal S5129 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Inorganic Non-Metal	Waste Matrix Code	S5129

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	2.02E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	1.59E-01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	1.97E+00
	Other Inorganic Materials	245.24	193.81	296.67	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	4.38E-01
	Cellulosics	5.71	4.76	6.67				Pu-241	1.12E+01
	Rubber	2.86	2.86	5.71				Pu-242	2.56E-05
	Plastics	20.90	19.71	22.10					
	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-W732													
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	3.1	10.5	10.5	6.3	30.9	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	30.9
As-Generated	Stored 0.4	Projected 30.4	Total 30.9				Final Form	Stored 0.4	Projected 30.4	Total 30.9			

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TWBIR ID: RL-W732

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W733

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W733	Handling	CH	Stream Name	Repackaged 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

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	10.21	1.10	21.89	
Aluminum-Base Metal/Alloys	1.59	1.59	4.76	
Other Metal/Alloys	0.63	0.63	1.90	
Other Inorganic Materials	10.46	10.46	17.58	
Cellulosics	10.35	4.38	21.41	
Rubber	63.05	12.86	93.46	
Plastics	36.25	6.86	60.97	
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:	N/A	
PCBs:	No	
Source:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	3.61E-01
Ba-137m	1.09E-04
Cs-137	1.15E-04
Pu-238	2.13E-01
Pu-239	2.18E+00
Pu-240	5.46E-01
Pu-241	1.25E+01
Pu-242	4.86E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W733													
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
As-Generated	Stored 0.6	Projected 0.0	Total 0.6			Final Form	Stored 0.6	Projected 0.0	Total 0.6				

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TWBIR ID: RL-W733

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W734

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W734	Handling	CH	Stream Name	Repackaged MTRU CH combustible S5319 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Combustible	Waste Matrix Code	S5319

EPA Codes	
As-Generated	N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	107.43	1.39	213.37	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	0.11	0.11	0.23	
Other Inorganic Materials	4.55	4.55	9.10	
Cellulosics	10.64	9.47	11.82	
Rubber	121.74	24.68	218.70	
Plastics	66.57	61.26	71.89	
Solidified, Inorganic Matrix	12.71	12.71	25.42	
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:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.80E+00
Ba-137m	2.89E-06
Cs-137	3.06E-06
Pu-238	1.06E+00
Pu-239	1.13E+01
Pu-240	2.76E+00
Pu-241	5.58E+01
Pu-242	2.35E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W734													
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	0.4	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-W734

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W735

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W735	Handling	CH	Stream Name	Repackaged MTRU CH combustible S5319 Mixed RCRA w/ met,Hg			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Combustible	Waste Matrix Code	S5319

EPA Codes	
As-Generated	
N/A	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	37.95	37.95	37.95	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	1.00	1.00	1.00	
Other Inorganic Materials	0.10	0.10	0.10	
Cellulosics	2.58	2.58	2.58	
Rubber	359.86	359.86	359.86	
Plastics	16.48	16.48	16.48	
Solidified, Inorganic Matrix	46.48	46.48	46.48	
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:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	3.09E+00
Pu-238	1.62E+00
Pu-239	1.77E+01
Pu-240	4.40E+00
Pu-241	8.68E+01
Pu-242	3.80E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W735													
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
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-W735

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W736

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W736	Handling	CH	Stream Name	Repackaged TRU CH combustible S5330 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	S5330

EPA Codes	
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	106.38	106.38	106.38	
Rubber	4.62	4.62	4.62	
Plastics	17.19	17.19	17.19	
Solidified, Inorganic Matrix	4.62	4.62	4.62	
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:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	5.76E-03
Pu-238	3.46E-06
Pu-239	1.17E-02
Pu-240	3.04E-03
Pu-241	2.65E-02
Pu-242	3.34E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W736													
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
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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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W737

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W737	Handling	CH	Stream Name	Repackaged TRU CH combustible S5390 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	S5390

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	24.98	7.00	43.59	Residues:	No		Am-241	7.12E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	3.70E-01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	4.19E+00
	Other Inorganic Materials	17.68	11.47	22.39	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	1.03E+00
	Cellulosics	63.15	44.82	100.41				Pu-241	1.86E+01
	Rubber	17.70	5.14	39.72				Pu-242	8.67E-05
	Plastics	53.81	48.68	58.68					
	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-W737													
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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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W738

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W738	Handling	CH	Stream Name	Repackaged TRU CH 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

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	131.99	5.23	389.16	Residues:	No		Am-241	9.93E-01
	Aluminum-Base Metal/Alloys	7.23	7.23	55.25	Asbestos:	N/A		Pu-238	4.64E-01
	Other Metal/Alloys	3.46	2.38	35.72	PCBs:	No		Pu-239	4.85E+00
	Other Inorganic Materials	57.84	6.67	161.93	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	1.28E+00
	Cellulosics	11.45	2.86	26.72				Pu-241	2.46E+01
	Rubber	3.51	0.52	11.91				Pu-242	1.12E-04
	Plastics	38.28	21.15	63.82					
	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-W738													
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	2.3	0.0	0.0	0.0	0.0	2.3	55 Gallon Drum	2.3	0.0	0.0	0.0	0.0	2.3
As-Generated	Stored 2.3	Projected 0.0	Total 2.3			Final Form	Stored 2.3	Projected 0.0	Total 2.3				

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TWBIR ID: RL-W738

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W739

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W739	Handling	CH	Stream Name	Repackaged MTRU CH heterogeneous S5420 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	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	381.48	381.48	381.48	Residues:	No		Am-241	8.75E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	4.50E-01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	8.65E+00
	Other Inorganic Materials	20.95	20.95	20.95	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	1.99E+00
	Cellulosics	3.81	3.81	3.81				Pu-241	2.46E+01
	Rubber	10.95	10.95	10.95				Pu-242	1.44E-04
	Plastics	45.43	45.43	45.43					
	Solidified, Inorganic Matrix	48.57	48.57	48.57					
	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-W739													
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-W739

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W740

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W740	Handling	CH	Stream Name	Repackaged TRU CH 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
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	32.71	0.00	236.55	
Aluminum-Base Metal/Alloys	10.15	0.48	122.83	
Other Metal/Alloys	1.30	0.48	12.58	
Other Inorganic Materials	33.58	7.02	93.89	
Cellulosics	27.23	2.95	127.06	
Rubber	11.66	0.29	55.70	
Plastics	62.55	14.18	157.08	
Solidified, Inorganic Matrix	0.55	0.55	18.32	
Cement (Solidified)	0.00	0.00	0.00	
Vitrified	0.00	0.00	0.00	
Solidified, Organic Matrix	0.04	0.04	2.42	
Soils	0.02	0.02	1.45	
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	6.90E-01
Ba-137m	4.61E-07
Cs-137	4.88E-07
Pu-238	2.61E-01
Pu-239	3.35E+00
Pu-240	8.76E-01
Pu-241	1.97E+01
Pu-242	9.61E-05
U-235	1.05E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W740													
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	13.2	0.0	0.0	0.0	0.0	13.2	55 Gallon Drum	13.2	0.0	0.0	0.0	0.0	13.2
As-Generated	Stored 13.2	Projected 0.0	Total 13.2			Final Form	Stored 13.2	Projected 0.0	Total 13.2				

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TWBIR ID: RL-W740

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W741

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W741	Handling	CH	Stream Name	Repackaged MTRU CH heterogeneous S5440 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5440

EPA Codes	
As-Generated	
N/A	

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	82.24	3.49	207.26	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	0.57	0.57	1.12	
Other Inorganic Materials	38.38	9.35	64.38	
Cellulosics	12.99	4.20	28.58	
Rubber	30.93	4.76	77.86	
Plastics	38.08	26.59	63.23	
Solidified, Inorganic Matrix	0.76	0.76	2.24	
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:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.93E+01
Pu-238	7.76E+00
Pu-239	8.21E+00
Pu-240	5.86E+00
Pu-241	1.87E+02
Pu-242	4.61E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W741													
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
As-Generated	Stored 1.0	Projected 0.0	Total 1.0			Final Form	Stored 1.0	Projected 0.0	Total 1.0				

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TWBIR ID: RL-W741

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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

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TWBIR ID: RL-W742

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W742	Handling	CH	Stream Name	Repackaged MTRU CH heterogeneous S5440 Mixed RCRA w/ met,Hg			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5440

EPA Codes	
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	8.52	8.52	8.52	
Other Inorganic Materials	4.48	4.48	4.48	
Cellulosics	15.29	15.29	15.29	
Rubber	2.24	2.24	2.24	
Plastics	78.10	78.10	78.10	
Solidified, Inorganic Matrix	0.30	0.30	0.30	
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	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:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.98E+00
Pu-238	1.17E+00
Pu-239	1.33E+01
Pu-240	3.16E+00
Pu-241	8.02E+01
Pu-242	2.67E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W742													
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
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-W742

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W743

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W743	Handling	CH	Stream Name	Repackaged MTRU CH heterogeneous S5490 Mixed RCRA w/ org			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5490

EPA Codes	
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	44.73	44.73	44.73	
Cellulosics	0.00	0.00	0.00	
Rubber	0.00	0.00	0.00	
Plastics	26.67	26.67	26.67	
Solidified, Inorganic Matrix	9.52	9.52	9.52	
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:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.03E-02
Ba-137m	5.66E-01
Cs-137	5.98E-01
Pu-238	3.17E-04
Pu-239	8.62E-03
Sr-90	1.71E-01
Y-90	1.71E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W743													
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-W743

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

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TWBIR ID: RL-W744

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W744	Handling	CH	Stream Name	Repackaged TRU CH 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	0.00	0.00	0.00	Residues:	No		Pu-239	4.34E-01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-240	3.71E-01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No			
	Other Inorganic Materials	34.53	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste			
	Cellulosics	39.15	0.00	0.00					
	Rubber	14.42	0.00	0.00					
	Plastics	44.67	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	98.88	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-W744													
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-W744

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the REPACKAGED WASTE.

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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TWBIR ID: RL-W745

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W745	Handling	CH	Stream Name	Tank Farms MTRU CH solidified inorganic S3119 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Solidified Inorganics	Waste Matrix Code	S3119

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	228.57	228.57	228.57	Residues:	No		Am-241	6.86E-03
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	2.22E-03
	Other Metal/Alloys	0.14	0.14	0.14	PCBs:	No		Pu-239	8.31E-02
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	1.86E-02
	Cellulosics	1.76	1.76	1.76				Pu-241	2.75E-01
	Rubber	0.00	0.00	0.00				Pu-242	1.12E-06
	Plastics	1.33	1.33	1.33					
	Solidified, Inorganic Matrix	428.57	428.57	428.57					
	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-W745													
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-W745

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W746

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W746	Handling	CH	Stream Name	Tank Farms MTRU CH heterogeneous S5420 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5420

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	9.76	9.76	19.52
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00
	Other Metal/Alloys	178.33	94.76	261.90
	Other Inorganic Materials	15.24	15.24	30.48
	Cellulosics	66.67	14.29	119.05
	Rubber	18.10	14.29	21.90
	Plastics	9.29	7.14	11.43
	Solidified, Inorganic Matrix	17.38	17.38	34.76
	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: Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.32E-02
Pu-238	4.27E-03
Pu-239	1.60E-01
Pu-240	3.59E-02
Pu-241	5.30E-01
Pu-242	2.16E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W746													
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-W746

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W747

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W747	Handling	CH	Stream Name	Tank Farms MTRU CH heterogeneous S5440 Mixed RCRA w/ met			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5440

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	62.40	62.40	62.40	
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	68.40	68.40	68.40	
Rubber	24.00	24.00	24.00	
Plastics	14.40	14.40	14.40	
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	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	7.15E-02
Pu-238	2.31E-02
Pu-239	8.67E-01
Pu-240	1.94E-01
Pu-241	2.87E+00
Pu-242	1.17E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W747													
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
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-W747

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Current Container Comments N/A

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

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

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TWBIR ID: RL-W748

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W748	Handling	CH	Stream Name	Tank Farms TRU CH uncategorized metal S5119 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Uncategorized Metal	Waste Matrix Code	S5119

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	7.14E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	1.03E+00
	Other Metal/Alloys	272.59	0.00	0.00	PCBs:	No		Pu-239	2.28E-02
	Other Inorganic Materials	8.36	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	3.77E-02
	Cellulosics	3.41	0.00	0.00				Pu-241	3.42E+02
	Rubber	0.87	0.00	0.00				Pu-242	3.49E-07
	Plastics	12.16	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-W748													
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	13.2	0.0	0.0	0.0	0.0	13.2	Standard Waste Box	13.2	0.0	0.0	0.0	0.0	13.2
As-Generated	Stored 13.2	Projected 0.0	Total 13.2			Final Form	Stored 13.2	Projected 0.0	Total 13.2				

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TWBIR ID: RL-W748

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

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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TWBIR ID: RL-W749

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W749	Handling	CH	Stream Name	Tank Farms 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

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	3.55E-02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Ba-137m	0.00E+00
	Other Metal/Alloys	4.06	0.00	0.00	PCBs:	No		Cs-137	0.00E+00
	Other Inorganic Materials	6.09	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-238	1.10E-02
	Cellulosics	0.00	0.00	0.00				Pu-239	4.18E-01
	Rubber	0.00	0.00	0.00				Pu-240	9.35E-02
	Plastics	108.09	0.00	0.00				Pu-241	1.28E+00
	Solidified, Inorganic Matrix	0.00	0.00	0.00				Pu-242	5.63E-06
	Cement (Solidified)	0.00	0.00	0.00				Sr-90	0.00E+00
	Vitrified	0.00	0.00	0.00				Tc-99	0.00E+00
	Solidified, Organic Matrix	0.00	0.00	0.00				Y-90	0.00E+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-W749													
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
As-Generated	Stored 3.8	Projected 0.0	Total 3.8				Final Form	Stored 3.8	Projected 0.0	Total 3.8			

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TWBIR ID: RL-W749

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

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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TWBIR ID: RL-W750

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W750	Handling	CH	Stream Name	Tank Farms TRU CH combustible S5330 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	S5330

EPA Codes	
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	107.83	0.00	0.00	
Rubber	4.24	0.00	0.00	
Plastics	7.27	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:	N/A	
PCBs:	No	
Source:	Facility/Equipment Operation and Maintenance Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	3.83E+02
Pu-238	4.95E+01
Pu-239	1.19E+00
Pu-240	1.96E+00
Pu-241	1.54E+04
Pu-242	1.83E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W750													
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-W750

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

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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TWBIR ID: RL-W751

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W751	Handling	CH	Stream Name	Tank Farms TRU CH combustible S5390 Non-mixed			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	TRU	Generator Site	RL	Final Waste Form	Combustible	Waste Matrix Code	S5390

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	6.92E+02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	8.93E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	2.14E+00
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	3.55E+00
	Cellulosics	89.90	0.00	0.00				Pu-241	2.78E+04
	Rubber	33.93	0.00	0.00				Pu-242	3.30E-05
	Plastics	4.36	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-W751													
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-W751

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

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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TWBIR ID: RL-W752

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W752	Handling	CH	Stream Name	Tank Farms TRU CH heterogeneous S5420 Non-mixed			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	RL	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	7.30	0.00	0.00	Residues:	No		Am-241	6.35E+00
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	8.19E-01
	Other Metal/Alloys	304.86	0.00	0.00	PCBs:	No		Pu-239	1.97E-02
	Other Inorganic Materials	35.03	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	3.25E-02
	Cellulosics	4.31	0.00	0.00				Pu-241	2.54E+02
	Rubber	1.93	0.00	0.00				Pu-242	3.03E-07
	Plastics	22.85	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	153.03							
	Packaging Material, Plastic	2.71							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W752													
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
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4	Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4
As-Generated	Stored 9.9	Projected 0.0	Total 9.9			Final Form	Stored 9.9	Projected 0.0	Total 9.9				

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TWBIR ID: RL-W752

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

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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TWBIR ID: RL-W753

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W753	Handling	CH	Stream Name	Tank Farms TRU CH heterogeneous S5440 Non-mixed			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	RL	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	8.85	0.00	0.00	Residues:	No		Am-241	6.93E+01
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	N/A		Pu-238	8.95E+00
	Other Metal/Alloys	161.54	0.00	0.00	PCBs:	No		Pu-239	2.15E-01
	Other Inorganic Materials	4.26	0.00	0.00	Source:	Facility/Equipment Operation and Maintenance Waste		Pu-240	3.55E-01
	Cellulosics	25.26	0.00	0.00				Pu-241	2.78E+03
	Rubber	7.33	0.00	0.00				Pu-242	3.31E-06
	Plastics	49.55	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	148.88							
	Packaging Material, Plastic	9.16							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W753													
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	2.7	0.0	0.0	0.0	0.0	2.7	55-Gallon Drum	2.7	0.0	0.0	0.0	0.0	2.7
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4	Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4
As-Generated	Stored 12.2	Projected 0.0	Total 12.2					Final Form	Stored 12.2	Projected 0.0	Total 12.2		

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TWBIR ID: RL-W753

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

Waste Stream Source Description The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the TANK FARMS.

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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TWBIR ID: RP-W013

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	PFP TRU Solids			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RP	Final Waste Form	Solidified Inorganics		Waste Matrix Code	L1220

EPA Codes	
As-Generated	
D002, D007	

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	1.02	1.27	1.67	
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	464.00			
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:	Materials Production/Recovery Effluents	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	4.58E+00
Ba-137m	8.80E+01
C-14	8.52E-04
Cs-137	9.30E+01
I-129	1.42E-04
Np-237	1.14E-03
Pu-238	3.42E-04
Pu-239	5.84E+00
Pu-240	1.31E+00
Pu-241	3.42E+01
Pu-242	3.13E-04
Sm-151	0.00E+00
Sr-90	9.59E+01
Tc-99	1.94E-01

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : RP-W013													
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	
Tank / Misc Sizes	270.0	0.0	0.0	0.0	0.0	270.0	RH Canister	525.1	0.0	0.0	0.0	0.0	525.1
As-Generated	Stored 270.0	Projected 0.0			Total 270.0		Final Form	Stored 525.1	Projected 0.0			Total 525.1	

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TWBIR ID: RP-W013

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides
(Continued)

Isotope	Typical Concentration (Ci/m3)
U-233	6.52E-04
U-234	3.64E-04
U-235	1.53E-05
U-236	8.80E-06
U-238	3.05E-04
Y-90	9.59E+01

Waste Stream Description Solidified aqueous waste slurry.

Waste Stream Source Description N/A

Current Container Comments N/A

EPA Comments The EPA codes are the same as reported for the same waste stream in the Interim Mixed Waste Inventory Report (IMWIR), April 1993. These EPA codes are based on the identification and characteristics of the generating waste stream. The D002 code, however, is assigned because the waste while in interim storage must be adjusted to a high pH to prevent corrosion of the containment structure. As indicated in the source description, the interim storage tank contains an additional IMWIR waste stream, DST MISCELLANEOUS WASTE. Physically, the PFP TRU solids have settled to the bottom of the tank and are a distinct layer from the liquids, DST MISCELLANEOUS WASTE. Nevertheless, the EPA codes for the PFP TRU solids waste stream may be modified in the future to include the EPA codes associated with DST MISCELLANEOUS WASTE to account for potential mixing of this stream with the PFP TRU solids. The additional EPA codes reported in the IMWIR for this stream are D004, D005, D006, D009, D010, D011, F003, F005.

Management Comments Waste will be packaged with an absorbent for neutralization

Acceptance Comments Each 55 gallon (0.21 m3) drum contains 40 to 45 (0.151 to 0.170 m3) of waste plus 10 to 15 gal (0.038 to 0.057 m3) of absorbent.

Final Form Comments Waste is currently RH; however, it may be, if cost effective, processed resulting in CH final waste form. Total volume of stream is 371 m3 in final waste form and 270 m3 in interim waste form. The difference in the volume between the final and interim for is the addition of absorbent. Projected waste is planned, but the amount has yet to be determined.

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TWBIR ID: RP-W016

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	PUREX TRU Cladding Removal Solids			Inventory Date	9/30/2002
Local ID	N/A	Waste Type	MTRU	Generator Site	RP	Final Waste Form	Solidified Inorganics	Waste Matrix Code	L1220

EPA Codes	
As-Generated	
D002, D007	

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	0.89	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	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:	No	
PCBs:	No	
Source:	Materials Production/Recovery Effluents	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.28E+00
Ba-137m	1.80E+01
C-14	1.52E-04
Cs-137	1.91E+01
I-129	1.28E-06
Np-237	9.30E-06
Pu-238	2.51E-03
Pu-239	2.82E-01
Pu-240	8.52E-02
Pu-241	8.95E-02
Pu-242	1.31E-05
Sm-151	6.06E-02
Sr-90	6.28E+00
Tc-99	1.41E-02

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : RP-W016													
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
Tank / Misc Sizes	2030.0	0.0	0.0	0.0	0.0	2030.0	RH Canister	3943.6	0.0	0.0	0.0	0.0	3943.6
As-Generated	Stored 2030.0	Projected 0.0			Total 2030.0		Final Form	Stored 3943.6	Projected 0.0			Total 3943.6	

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TWBIR ID: RP-W016

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides
(Continued)

Isotope	Typical Concentration (Ci/m3)
U-233	4.92E-04
U-234	3.66E-03
U-235	1.39E-04
U-236	2.97E-04
U-238	3.21E-02
Y-90	6.28E+00

Waste Stream Description Solidified aqueous waste slurry

Waste Stream Source Description N/A

Current Container Comments N/A

EPA Comments The EPA codes are the same as reported for the same waste stream in the Interim Mixed Waste Inventory The EPA codes are the same as reported for the same waste stream in the Interim Mixed Waste Inventory Report, April 1993. These EPA codes are based on the identification and characteristics of the generating waste stream. The D002 code, however, is assigned because the waste while in interim storage must be adjusted to a high pH to prevent corrosion of the containment structure. An additional IMWIR waste stream, DST MISCELLANEOUS WASTE is stored in the tank, which represents the liquid layer in the tank. However, as stated under waste stream source description, the origin of the waste in these tanks is from the separation of cladding waste from PUREX. As such, the EPA codes for this layer are the same as the EPA codes for the PUREX TRU Cladding Removal Solids

Management Comments Waste will be packaged with an absorbent for neutralization.

Acceptance Comments Each 55 gallon (0.21 m3) drum contains 40 to 45 (0.151 to 0.170 m3) of waste plus 10 to 15 gal (0.038 to 0.057 m3) of absorbent.

Final Form Comments Waste is currently RH; however, it may be, if cost effective, processed resulting in CH final waste form. Total volume of stream is 2791 m3 in final waste form and 2030 m3 in interim waste form. The difference in the volume between the final and interim for is the addition of absorbent.

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Annex J

TWBIR ID: RP-W754

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	224 Waste			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RP	Final Waste Form	Solidified Inorganics		Waste Matrix Code	L1220

EPA Codes	
As-Generated	
D002, D007	

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	1.12	1.08	1.26	
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	120.00			
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:	Materials Production/Recovery Effluents	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	5.01E-02
Ba-137m	1.63E-01
C-14	4.69E-06
Cs-137	1.73E-01
I-129	6.14E-08
Np-237	2.02E-07
Pu-238	9.31E-03
Pu-239	1.25E+00
Pu-240	1.03E-01
Pu-241	2.10E-01
Pu-242	4.14E-06
Sm-151	3.52E-03
Sr-90	4.24E+00
Tc-99	2.26E-03

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : RP-W754													
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
Tank / Misc Sizes	1079.0	0.0	0.0	0.0	0.0	1079.0	55 Gallon Drum	1484.1	0.0	0.0	0.0	0.0	1484.1
As-Generated	Stored 1079.0	Projected 0.0			Total 1079.0		Final Form	Stored 1484.1	Projected 0.0			Total 1484.1	

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TWBIR ID: RP-W754

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides
(Continued)

Isotope	Typical Concentration (Ci/m3)
U-233	1.83E-10
U-234	2.38E-04
U-235	9.96E-06
U-236	2.23E-06
U-238	2.26E-04
Y-90	4.24E+00

Waste Stream Description Solidified aqueous waste slurry.

Waste Stream Source Description N/A

Current Container Comments N/A

EPA Comments The EPA codes are based on the identification and characteristics of the generating waste stream. The D002 code, however, is assigned because the waste while in interim storage must be adjusted to a high pH to prevent corrosion of the containment structure. Additional waste stream characterization is planned that may result in revision to the EPA codes.

Management Comments Waste will be packaged with an absorbent for neutralization.

Acceptance Comments Each 55 gallon (0.21 m3) drum contains 40 to 45 (0.151 to 0.170 m3) of waste plus 10 to 15 gal (0.038 to 0.057 m3) of absorbent.

Final Form Comments Total volume of stream is 1484 m3 in final waste form and 1079 m3 in interim waste form. The difference in the volume between the final and interim form is the addition of absorbent. This stream has the potential to receive an additional 396,000 gallons (1397 m3) of as stored waste. On packaging the waste, the volume would increase to 500,000 gallons (1893 m3) of waste.

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TWBIR ID: RP-W755

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Bismuth Phosphate Process TRU Solids			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	RP	Final Waste Form	Solidified Inorganics		Waste Matrix Code	L1220

EPA Codes	
As-Generated	D002, D007, D009

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	1.13	1.10	1.18	
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	120.00			
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:	Materials Production/Recovery Effluents	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	1.81E-01
Ba-137m	4.45E-01
C-14	3.76E-05
Cs-137	4.71E-01
I-129	1.69E-07
Np-237	1.20E-06
Pu-238	3.38E-03
Pu-239	5.69E-01
Pu-240	4.72E-02
Pu-241	9.53E-02
Pu-242	6.36E-07
Sm-151	2.09E-02
Sr-90	1.89E+01
Tc-99	3.50E-02

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : RP-W755													
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
Tank / Misc Sizes	1780.0	0.0	0.0	0.0	0.0	1780.0	55 Gallon Drum	2448.0	0.0	0.0	0.0	0.0	2448.0
As-Generated	Stored 1780.0	Projected 0.0			Total 1780.0	Final Form	Stored 2448.0	Projected 0.0			Total 2448.0		

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TWBIR ID: RP-W755

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides
(Continued)

Isotope	Typical Concentration (Ci/m3)
U-233	4.47E-09
U-234	5.16E-03
U-235	2.30E-04
U-236	4.15E-05
U-238	5.27E-03
Y-90	1.89E+01

Waste Stream Description Solidified aqueous waste slurry

Waste Stream Source Description N/A

Current Container Comments N/A

EPA Comments The EPA codes are based on the identification and characteristics of the generating waste stream. The D002 code, however, is assigned because the waste while in interim storage must be adjusted to a high pH to prevent corrosion of the containment structure. Additional waste stream characterization is planned that may result in revision to the EPA codes.

Management Comments Waste will be packaged with an absorbent for neutralization

Acceptance Comments Each 55 gallon (0.21 m3) drum contains 40 to 45 (0.151 to 0.170 m3) of waste plus 10 to 15 gal (0.038 to 0.057 m3) of absorbent.

Final Form Comments Total volume of stream is 2248 m3 in final waste form and 1780 m3 in interim waste form. The difference in the volume between the final and interim for is the addition of absorbent.

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TWBIR ID: SA-T001

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SA-T001	Handling	CH	Stream Name	Lovelace ITRI Waste Stream			Inventory Date	9/30/2002
Local ID	NA	Waste Type	TRU	Generator Site	IT	Final Waste Form	Heterogeneous Debris	Waste Matrix Code	S5000

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	Unassigned	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	100.00	10.00	110.00	Residues:	No		Am-241	1.70E-01
	Aluminum-Base Metal/Alloys	3.00	1.00	5.00	Asbestos:	No		Cm-243	8.90E-02
	Other Metal/Alloys	6.00	2.00	10.00	PCBs:	No		Cm-244	1.20E+00
	Other Inorganic Materials	15.00	10.00	20.00	Source:	R&D/R&D Laboratory Waste		Np-237	2.90E-06
	Cellulosics	3.00	1.00	5.00				Pa-233	1.60E-05
	Rubber	5.00	1.00	9.00				Pu-238	3.90E-02
	Plastics	5.00	2.00	8.00				Pu-239	5.60E-01
	Solidified, Inorganic Matrix	40.00	20.00	60.00				Ra-226	9.40E-03
	Cement (Solidified)	0.00	0.00	0.00				Ra-228	7.30E-04
	Vitrified	0.00	0.00	0.00				Th-228	2.80E-03
	Solidified, Organic Matrix	5.00	1.00	9.00				Th-232	7.30E-04
	Soils	0.00	0.00	0.00					
	Packaging Material, Steel	100.00							
	Packaging Material, Plastic	37.00							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : SA-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	5.4	0.0	0.0	0.0	0.0	5.4	55 Gallon Drum	5.4	0.0	0.0	0.0	0.0	5.4
As-Generated	Stored 5.4	Projected 0.0	Total 5.4			Final Form	Stored 5.4	Projected 0.0	Total 5.4				

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TWBIR ID: SA-T001

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description Waste is in final form.

Waste Stream Source Description Heterogeneous mixture of metals and combustible lab trash including solidified waste, stainless steel, brass and aluminum parts, paper, plastics, rubber gloves, PPE, hepa filters and glass. There are no liquids or compressed gasses. All drums were verified through Real Time Radiography, (RTR).

Current Container Comments N/A

EPA Comments The entire waste stream was viewed through Real Time Radiography and videotapes and photographs of the waste are on file. In addition, the process knowledge from Lovelace ITRI indicates that contaminants are not present.

Management Comments This waste stream has been characterized by process knowledge as TRU waste. The waste is not mixed.

Acceptance Comments N/A

Final Form Comments N/A

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TWBIR ID: SA-W134

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SA-W134	Handling	CH	Stream Name	Transuranic Waste at Hot Cell Facility			Inventory Date	9/30/2002	
Local ID	NA	Waste Type	TRU	Generator Site	SA	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5490

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	80.00	10.00	100.00	
Aluminum-Base Metal/Alloys	5.00	1.00	10.00	
Other Metal/Alloys	10.00	4.00	15.00	
Other Inorganic Materials	1.00	1.00	1.00	
Cellulosics	2.00	1.00	3.00	
Rubber	2.00	1.00	3.00	
Plastics	5.00	1.00	10.00	
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	Unassigned
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	R&D/R&D Laboratory Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	4.50E-01
Am-242m	2.70E-03
Am-243	7.64E-04
Cd-109	1.08E-04
Ce-144	1.69E-03
Cm-242	2.24E-03
Cm-244	1.40E-04
Co-60	5.09E-03
Cs-134	5.58E-03
Cs-137	4.83E+00
Eu-154	1.07E-02
Eu-155	2.00E-04
H-3	1.30E-03
Kr-85	2.41E-02

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : SA-W134

As-Generated Volumes						
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
Box /7' x 4' x 4'	12.7	0.0	0.0	0.0	0.0	12.7
Can / Stainless Steel / 2 gallon	0.0	0.0	0.0	0.0	0.0	0.0
Drum / 10 gallon	0.1	0.0	0.0	0.0	0.0	0.1
Drum / 14 gallon	0.1	0.0	0.0	0.0	0.0	0.1
Drum / 20 gallon	0.1	0.0	0.0	0.0	0.0	0.1
Drum / 30 gallon	0.5	0.0	0.0	0.0	0.0	0.5
Drum / 5 gallon	0.1	0.0	0.0	0.0	0.0	0.1
Drum / 55-gallon	3.7	0.0	0.0	0.0	0.0	3.7
Drum / 85 gallon	0.3	0.0	0.0	0.0	0.0	0.3

Final Form Volumes						
ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
55 Gallon Drum	16.0	0.0	0.0	0.0	0.0	16.0
Final Form	Stored 16.0	Projected 0.0	Total 16.0			

As-Generated	Stored	17.5	Projected	0.0	Total	17.5
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Annex J

TWBIR ID: SA-W134

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides (Continued)		Final Form Radionuclides (Continued)	
Isotope	Typical Concentration (Ci/m3)	Isotope	Typical Concentration (Ci/m3)
Np-237	7.77E-03	U-233	1.31E-04
Pa-231	3.11E-04	U-234	1.04E-02
Pa-233	7.77E-03	U-235	6.78E-04
Pm-147	1.42E-01	U-238	4.97E-04
Pu-238	8.76E-02		
Pu-239	8.64E-02		
Pu-240	2.74E-02		
Pu-241	4.72E-01		
Ru-106	1.87E-04		
Sm-151	1.57E-02		
Sr-90	4.58E+00		
Tc-99	8.79E-05		
Th-228	1.45E-03		
Th-234	4.97E-04		

Waste Stream Description	Heterogeneous Debris from SNL/NM Hot Cell Facility D&D project and other miscellaneous waste generators.
Waste Stream Source Description	This waste stream was generated during SNL Hot Cell Facility experiments that including the cutting of fuel rods. There are no liquids or compressed gasses in this waste stream.
Current Container Comments	Assumption: site submittal identified 1 m3 projected in the 98-02 time frame. This 1 m3 was assumed to be stored in 03. Tbrown
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	8 drums of tru waste are estimated to be generated with the FY1996 hot cell decontamination project. This is a one time generation.

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TWBIR ID: SA-W134M

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	CH	Stream Name	Mixed-TRU Waste from SNL/NM - Contact Handled			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	MTRU	Generator Site	SA	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5490

EPA Codes

As-Generated
D005, D006, D011, F003, F005

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	80.00	10.00	100.00
Aluminum-Base Metal/Alloys	5.00	1.00	10.00
Other Metal/Alloys	10.00	4.00	15.00
Other Inorganic Materials	1.00	1.00	1.00
Cellulosics	2.00	1.00	3.00
Rubber	2.00	1.00	3.00
Plastics	5.00	1.00	10.00
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

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

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.50E-01
Am-242m	2.70E-03
Am-243	7.64E-04
Cd-109	1.08E-04
Ce-144	1.69E-03
Cm-242	2.24E-03
Cm-244	1.40E-04
Co-60	5.09E-03
Cs-134	5.58E-03
Cs-137	4.83E+00
Eu-154	1.07E-02
Eu-155	2.00E-04
H-3	1.30E-03
Kr-85	2.41E-02

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : SA-W134M

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	2.1	0.0	0.0	0.0	0.0	2.1	55 Gallon Drum	2.1	0.0	0.0	0.0	0.0	2.1
As-Generated	Stored 2.1	Projected 0.0	Total 2.1			Final Form	Stored 2.1	Projected 0.0	Total 2.1				

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TWBIR ID: SA-W134M

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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)
Np-237	7.77E-03	U-233	1.31E-04
Pa-231	3.11E-04	U-234	1.04E-02
Pa-233	7.77E-03	U-235	6.78E-04
Pm-147	1.42E-01	U-238	4.97E-04
Pu-238	8.76E-02		
Pu-239	8.64E-02		
Pu-240	2.74E-02		
Pu-241	4.72E-01		
Ru-106	1.87E-04		
Sm-151	1.57E-02		
Sr-90	4.58E+00		
Tc-99	8.79E-05		
Th-228	1.45E-03		
Th-234	4.97E-04		

Waste Stream Description	Heterogeneous debris from SNL/NM Hot Cell Facility D&D project and other Miscellaneous waste generators.
Waste Stream Source Description	N/A
Current Container Comments	Final waste form to be determined. Mixed waste present in 10 containers. All waste characterized by process knowledge. Final form will be determined after suitable shipping container requirements are identified and waste is repackaged.
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

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Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	N/A	Handling	RH	Stream Name	TRU Waste from SNL/NM - Remote Handled			Inventory Date	9/30/2002	
Local ID	N/A	Waste Type	TRU	Generator Site	N/A	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5490

EPA Codes	Waste Material Parameters (kg/m3)			
As-Generated	Material Parameter	Average	Lower	Upper
N/A	Iron-Base Metal/Alloys	80.00	10.00	100.00
	Aluminum-Base Metal/Alloys	5.00	1.00	10.00
	Other Metal/Alloys	10.00	4.00	15.00
	Other Inorganic Materials	1.00	1.00	1.00
	Cellulosics	2.00	1.00	3.00
	Rubber	2.00	1.00	3.00
	Plastics	5.00	1.00	10.00
	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: R&D/R&D Laboratory Waste	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	4.70E+00
Cm-243	9.30E-03
Cm-244	1.10E-01
Co-60	1.40E-02
Cs-134	1.90E+01
Cs-137	1.20E+02
Eu-154	4.20E-01
Np-237	1.90E-04
Pa-233	1.90E-04
Pm-147	5.70E+00
Pu-238	9.60E-01
Pu-239	6.20E-01
Pu-240	9.30E-02
Pu-241	6.90E-03

(Radionuclides continued next page)

Waste Volume Detail (Cubic meters) for TWBIR ID : SA-W135													
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	
Cask / Lead lined	3.9	0.0	0.0	0.0	0.0	3.9	55 Gallon Drum	4.6	0.0	0.0	0.0	0.0	4.6
Drum / 55 gallon	0.4	0.0	0.0	0.0	0.0	0.4							
Lead Pig	0.1	0.0	0.0	0.0	0.0	0.1							
As-Generated	Stored	4.4	Projected	0.0	Total	4.4	Final Form	Stored	4.6	Projected	0.0	Total	4.6

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Final Form Radionuclides
(Continued)

Isotope	Typical Concentration (Ci/m3)
Sr-90	1.20E+02
Th-234	4.00E-05
U-234	1.60E-03
U-235	1.20E-04
U-238	4.00E-05

Waste Stream Description Heterogeneous debris from SNL/NM Hot Cell Facility D&D Project and other miscellaneous waste generators.

Waste Stream Source Description N/A

Current Container Comments Internal volume of this cask is assumed to be .39 m3 by TB @ LANLCBD for data entry purposes to capture this volume. This is not in the source data.

EPA Comments N/A

Management Comments N/A

Acceptance Comments N/A

Final Form Comments Container assumption affirmed by Mike Spoerner @ SNL.

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TWBIR ID: T001-221F-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W074	Handling	CH	Stream Name	CH TRU - Heterogeneous debris from 221F			Inventory Date	9/30/2002
Local ID	SR-T001	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	
As-Generated	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	SR225A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	101.00	0.00	202.00	Residues:	No		Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.01	0.00	0.10	Asbestos:	No		Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	1.28E+01
	Other Inorganic Materials	23.00	0.00	46.00	Source:	Other/Multiple Sources		Pu-240	3.17E-01
	Cellulosics	17.00	0.00	34.00				Pu-241	1.54E+01
	Rubber	0.04	0.00	0.40					
	Plastics	16.00	0.00	32.00					
	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	153.57							
	Packaging Material, Plastic	1.02							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : T001-221F-HET													
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 / 12ft W x 18ft L x 7ft H	807.5	0.0	0.0	0.0	0.0	807.5	55 Gallon Drum	140.2	0.0	0.0	0.0	0.0	247.1
Box / Misc.	14.0	0.0	0.0	0.0	0.0	14.0	5'x5'x8' Box	1103.7	0.0	0.0	0.0	0.0	1103.7
Drum / 55 gallon	140.2	42.8	64.1	0.0	0.0	247.1	Standard Waste Box	0.0	0.0	0.0	0.0	0.0	372.3
Polybox	150.5	0.0	0.0	0.0	0.0	150.5							
As-Generated	Stored	1112.2	Projected	106.9	Total	1219.1	Final Form	Stored	1243.9	Projected	479.2	Total	1723.1

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TWBIR ID: T001-221F-HET

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste stream is defense related, contact handled TRU waste and is composed of Job Control waste, sludges and resins, HEPA filters and large, metal equipment

Waste Stream Source Description This stream was produced in various onsite Plutonium production facilities as well as analytical and R&D laboratories.

Current Container Comments Radionuclide concentrations may vary from 3.2.6.

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments N/A

Final Form Comments N/A

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TWBIR ID: T001-221H-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W074	Handling	CH	Stream Name	CH TRU - Heterogeneous debris from 221H			Inventory Date	9/30/2002	
Local ID	SR-T001	Waste Type	TRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

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	SR225A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	110.00	0.00	220.00	Residues:	No		Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.01	0.00	0.10	Asbestos:	No		Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	1.28E+01
	Other Inorganic Materials	27.00	0.00	54.00	Source:	Other/Multiple Sources		Pu-240	3.17E-01
	Cellulosics	22.00	0.00	44.00				Pu-241	1.54E+01
	Rubber	0.03	0.00	0.30					
	Plastics	8.00	0.00	16.00					
	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	153.62							
	Packaging Material, Plastic	0.66							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : T001-221H-HET							
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 / 12ft W x 18ft L x 7ft H	2295.0	0.0	0.0	0.0	0.0	2295.0	
Drum / 55-gallon	397.1	38.5	46.2	0.0	0.0	474.0	
Polybox	82.5	0.0	0.0	0.0	0.0	82.5	
As-Generated	Stored 2774.6	Projected 77.0			Total 2851.5		

ContainerType	Stored End of CY 2001	Projected				Total
		2002-2006	2007-2016	2017-2026	2027-2036	
55 Gallon Drum	397.1	0.0	0.0	0.0	0.0	474.0
5'x5'x8' Box	3079.0	0.0	0.0	0.0	0.0	3079.0
Standard Waste Box	0.0	0.0	0.0	0.0	0.0	204.1
Final Form	Stored 3476.1	Projected 281.1			Total 3757.2	

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	This waste stream is defense related, contact handled TRU waste and is composed of Job Control waste, sludges and resins, HEPA filters and large, metal equipment
Waste Stream Source Description	This stream was produced in various onsite Plutonium production facilities as well as analytical and R&D laboratories.
Current Container Comments	Radionuclide concentrations may vary from 3.2.6.
EPA Comments	N/A
Management Comments	The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.
Acceptance Comments	N/A
Final Form Comments	N/A

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TWBIR ID: T001-235F-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W074	Handling	CH	Stream Name	CH TRU Heterogeneous debris from 235F			Inventory Date	9/30/2002	
Local ID	SR-T001	Waste Type	TRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	84.00	0.00	168.00	
Aluminum-Base Metal/Alloys	0.01	0.00	0.10	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	15.00	0.00	30.00	
Cellulosics	9.00	0.00	18.00	
Rubber	0.05	0.00	0.50	
Plastics	27.00	0.00	54.00	
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	153.30			
Packaging Material, Plastic	1.75			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	SR225A
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	Other/Multiple Sources	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.77E-01
Pu-238	7.71E+01
Pu-239	1.28E+01
Pu-240	3.17E-01
Pu-241	1.54E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : T001-235F-HET													
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
Box / Misc.	42.0	0.0	0.0	0.0	0.0	42.0	55 Gallon Drum	12.1	0.0	0.0	0.0	0.0	25.2
Drum / 55-gallon	12.1	5.2	7.9	0.0	0.0	25.2	5'x5'x8' Box	50.9	0.0	0.0	0.0	0.0	50.9
Polybox	25.0	0.0	0.0	0.0	0.0	25.0	Standard Waste Box	0.0	0.0	0.0	0.0	0.0	68.0
As-Generated	Stored	79.1	Projected	13.1	Total	92.2	Final Form	Stored	63.0	Projected	81.1	Total	144.1

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste stream is defense related, contact handled TRU waste and is composed of Job Control waste, sludges and resins, HEPA filters and large, metal equipment

Waste Stream Source Description This stream was produced in various onsite Plutonium production facilities as well as analytical and R&D laboratories.

Current Container Comments Radionuclide concentrations may vary from 3.2.6

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments N/A

Final Form Comments N/A

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TWBIR ID: T001-772F-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W074	Handling	CH	Stream Name	CH TRU - Heterogeneous debris from 772F			Inventory Date	9/30/2002	
Local ID	SR-T001	Waste Type	TRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

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	SR225A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	4.60	0.00	10.00	Residues:	No		Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.10	0.00	1.00	Asbestos:	No		Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Pu-239	1.28E+01
	Other Inorganic Materials	1.60	0.00	16.00	Source:	Other/Multiple Sources		Pu-240	3.17E-01
	Cellulosics	0.00	0.00	0.00				Pu-241	1.54E+01
	Rubber	0.30	0.00	3.00					
	Plastics	15.20	0.00	152.00					
	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	131.26							
	Packaging Material, Plastic	36.59							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : T001-772F-HET													
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 / Misc.	8.4	0.0	0.0	0.0	0.0	8.4	55 Gallon Drum	93.2	0.0	0.0	0.0	0.0	1001.1
Drum / 55-gallon	93.2	181.6	454.0	272.4	0.0	1001.1	5'x5'x8' Box	11.3	0.0	0.0	0.0	0.0	11.3
As-Generated	Stored	101.6	Projected	907.9	Total	1009.5	Final Form	Stored	104.5	Projected	907.9	Total	1012.4

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TWBIR ID: T001-772F-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste stream is defense related, contact handled TRU waste and is composed of Job Control waste, sludges and resins, HEPA filters and large, metal equipment

Waste Stream Source Description This stream was produced in various onsite Plutonium production facilities as well as analytical and R&D laboratories.

Current Container Comments Radionuclide concentrations may vary from 3.2.6.

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments N/A

Final Form Comments N/A

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TWBIR ID: T001-773A-CLAS

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W074	Handling	CH	Stream Name	CH TRU - Classified waste from 773A			Inventory Date	9/30/2002	
Local ID	SR-T001	Waste Type	TRU	Generator Site	SR	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S5000

EPA Codes	
As-Generated	N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	129.00	0.00	258.00	
Aluminum-Base Metal/Alloys	0.00	0.00	0.00	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	32.10	0.00	65.00	
Cellulosics	26.70	0.00	54.00	
Rubber	0.00	0.00	0.00	
Plastics	5.30	0.00	11.00	
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	0.00			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	OT YET ASSIGNE
Residues:	N/A	
Asbestos:	No	
PCBs:	No	
Source:	Other/Multiple Sources	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.77E-01
Pu-238	7.71E+01
Pu-239	1.28E+01
Pu-240	3.17E-01
Pu-241	1.54E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : T001-773A-CLAS													
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
Box / 162 ft3	23.0	0.0	0.0	0.0	0.0	23.0	5'x5'x8' Box	22.6	0.0	0.0	0.0	0.0	22.6
As-Generated	Stored 23.0	Projected 0.0	Total 23.0			Final Form	Stored 22.6	Projected 0.0	Total 22.6				

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste stream is defense related, contact handled TRU waste and is composed of Job Control waste, sludges and resins, HEPA filters and large, metal equipment

Waste Stream Source Description This stream was produced in various onsite Plutonium production facilities as well as analytical and R&D laboratories.

Current Container Comments Classified waste

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments N/A

Final Form Comments N/A

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TWBIR ID: T001-773A-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W074	Handling	CH	Stream Name	CH TRU - Heterogeneous debris from 773A			Inventory Date	9/30/2002	
Local ID	SR-T001	Waste Type	TRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes
As-Generated
N/A

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	23.00	0.00	46.00	
Aluminum-Base Metal/Alloys	0.06	0.00	0.60	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	5.20	0.00	10.40	
Cellulosics	5.00	0.00	10.00	
Rubber	0.20	0.00	2.00	
Plastics	16.00	0.00	32.00	
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	139.29			
Packaging Material, Plastic	25.42			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	SR225A
Residues:	No	
Asbestos:	No	
PCBs:	No	
Source:	Other/Multiple Sources	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.77E-01
Pu-238	7.71E+01
Pu-239	1.28E+01
Pu-240	3.17E-01
Pu-241	1.54E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : T001-773A-HET													
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
Box / Misc.	19.6	0.0	0.0	0.0	0.0	19.6	55 Gallon Drum	42.0	0.0	0.0	0.0	0.0	126.7
Drum / 55-gallon	42.0	16.9	42.2	25.3	0.0	126.7	5'x5'x8' Box	17.0	0.0	0.0	0.0	0.0	17.0
Polybox	4.0	0.0	0.0	0.0	0.0	4.0	Standard Waste Box	0.0	0.0	0.0	0.0	0.0	11.3
As-Generated	Stored	65.6	Projected	84.7	Total	150.3	Final Form	Stored	59.0	Projected	96.0	Total	155.0

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TWBIR ID: T001-773A-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste stream is defense related, contact handled TRU waste and is composed of Job Control waste, sludges and resins, HEPA filters and large, metal equipment

Waste Stream Source Description This stream was produced in various onsite Plutonium production facilities as well as analytical and R&D laboratories.

Current Container Comments Radionuclide concentration may vary from 3.2.6.

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments N/A

Final Form Comments N/A

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

TWBIR ID: T003-773A-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W076	Handling	RH	Stream Name	RH TRU Heterogeneous Debris from 773A			Inventory Date	9/30/2002	
Local ID	SR-T003	Waste Type	TRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

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	SR225A	Isotope	Typical Concentration (Ci/m3)
N/A	Iron-Base Metal/Alloys	23.00	0.00	46.00	Residues:	No		Ba-137m	3.10E+00
	Aluminum-Base Metal/Alloys	0.06	0.00	0.60	Asbestos:	No		Cm-247	2.43E+00
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		Cs-137	3.28E+00
	Other Inorganic Materials	5.20	0.00	10.40	Source:	R&D/R&D Laboratory Waste		Pm-147	8.13E-01
	Cellulosics	5.00	0.00	10.00				Pu-238	1.69E-01
	Rubber	0.20	0.00	2.00				Sr-90	3.10E+00
	Plastics	16.00	0.00	32.00				Y-90	3.28E+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	0.00							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : T003-773A-HET													
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	
Cask / 40"x41"x53"	1.4	0.0	0.0	0.0	0.0	17.0	5'x5'x8' Box	0.0	0.0	0.0	0.0	0.0	22.6
As-Generated	Stored	1.4	Projected	15.6	Total	17.0	Final Form	Stored	0.0	Projected	22.6	Total	22.6

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TWBIR ID: T003-773A-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste consists of miscellaneous job control waste such as laboratory supplies used in research programs in the shielded cells, e.g. glassware, paper wipes, stainless steel samples vials, poly bottles, pipettes and small lab equipment (stirrers, heaters). In addition to the job control waste, this stream contains shavings from the cuttings of a Mark 16 fuel element. Presently, this waste stream is stored as RH, but is reported as CH because after processing this stream will be CH.

Waste Stream Source Description This stream was generated as a result of experiments and activities at SRTC in the 773-A Shielded Cells Facility (E-wing). Work was performed with samples of low activity waste from tanks 42 and 51, high activity waste from 11 and 15, salt from tank 41 and 13, process waste from tank 17, in addition to other isotopes stored in the cells,

Current Container Comments This box is placed in a cask for storage.

EPA Comments N/A

Management Comments This waste will be repackaged for shipment to WIPP.

Acceptance Comments N/A

Final Form Comments N/A

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TWBIR ID: W006-773A-VIT

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W006	Handling	CH	Stream Name	Contact handled TRU/Liquids from 773A			Inventory Date	9/30/2002
Local ID	SR-W006	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Solidified Inorganics	Waste Matrix Code	L2000

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides		
As-Generated D001	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	none at this time	Isotope	Typical Concentration (Ci/m3)
	Iron-Base Metal/Alloys	1719.00	1559.00	2375.00	Residues:	No		Am-241	4.51E-03
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		Pu-239	8.60E+02
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No			
	Other Inorganic Materials	0.00	0.00	0.00	Source:	Analytical 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	467.00	261.00	516.00					
	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 : W006-773A-VIT													
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	
Stainless Steel can / 1 gal	0.1	0.0	0.0	0.0	0.0	0.1	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
As-Generated	Stored 0.1	Projected 0.0	Total 0.1			Final Form	Stored 0.6	Projected 0.0	Total 0.6				

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TWBIR ID: W006-773A-VIT

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	The stream is a xylene-based chelating agent. It is a homogeneous, flammable liquid containing hazardous constituents. Total activity is 100 nCi/g. The waste is contact handled. TTA stands for Thenoyl Trifluoroacetone.
Waste Stream Source Description	This stream is generated from plutonium extraction analytical procedures at the Savannah River Technology Center. It consists of a homogenous, xylene based, liquid chelating agent.
Current Container Comments	"SAF-T-CAN" Brand, 1 gallon capacity
EPA Comments	This waste is ignitable only - no contaminant concentration values are used, other than xylenes > 99%. This waste will need treatment before it is acceptable at WIPP.
Management Comments	<p>The waste is stored in a stainless steel can, (Safe-T-Can brand for storage of flammable liquids), in a Satellite Accumulation Area (SAA), which is located in a laboratory hood in Lab B-138 of Building 773-A of SRTC.</p> <p>The preferred option in the PSTP is to assay and characterize the waste stream at the TRU Waste Certification/Characterization Facility (TWCCF), followed by preparation for shipment and disposal at WIPP. Because of the small volume of the stream alternative treatment options are being investigated. One alternative is to handle the waste as a 90 day generator, remove the TRU portion of the stream, and treat the ignitable characteristic.</p>
Acceptance Comments	GENOPERATI: Chemical Analysis and experimentation - laboratory conducts experiments on low- and high-level radioactive materials, in addition to non-radioactive testing. RECLASS_CO: NA. CATION: HNO ₃ = 10E-3 (Molar Based on solubility after contact with 1Molar HNO ₃) per lab procedure.
Final Form Comments	N/A

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TWBIR ID: W026-221F-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W026	Handling	CH	Stream Name	CH Mixed TRU/Thirds Heterogeneous debris from 221F			Inventory Date	9/30/2002	
Local ID	SR-W026	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

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

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	112.00	0.00	224.00	
Aluminum-Base Metal/Alloys	0.01	0.00	0.10	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	28.00	0.00	56.00	
Cellulosics	24.00	0.00	48.00	
Rubber	0.03	0.00	0.30	
Plastics	6.60	0.00	13.20	
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	153.61			
Packaging Material, Plastic	0.62			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	SR225A
Residues:	No	
Asbestos:	Unknown	
PCBs:	Unknown	
Source:	Other/Multiple Sources	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.77E-01
Pu-238	7.71E+01
Pu-239	1.28E+01
Pu-240	3.17E-01
Pu-241	1.54E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : W026-221F-HET													
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 / 12' x 18' x 7'	513.8	0.0	0.0	0.0	0.0	513.8	55 Gallon Drum	101.1	0.0	0.0	0.0	0.0	101.1
Drum / 55-gallon	101.1	0.0	0.0	0.0	0.0	101.1	5'x5'x8' Box	684.9	0.0	0.0	0.0	0.0	684.9
As-Generated	Stored	614.9	Projected	0.0	Total	614.9	Final Form	Stored	785.9	Projected	0.0	Total	785.9

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description 200 Areas (F and H Separations Facilities). This waste is primarily solids consisting of mainly booties, lab coats, floor sweepings, rags, labware, and other job control wastes. Small Hepas, liquids, sludges and resins may also be found in this stream. The waste is generated primarily through separation activities in the course of plutonium production, includes small amounts of TRU waste from on site laboratories.

Waste Stream Source Description This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.

Current Container Comments None

EPA Comments N/A

Management Comments The current plan is to characterize the waste follower by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into Standard Waste Boxes. All miscellaneous box waste and waste currently stored in 12'x18'x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at <100nCi/g, overpacking with >100nCi/g drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.

Final Form Comments N/A

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TWBIR ID: W026-221H-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W026	Handling	CH	Stream Name	CH Mixed TRU/Thirds Heterogeneous debris from 221H			Inventory Date	9/30/2002	
Local ID	SR-W026	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)				Final Waste Form Descriptors		TRUCON Codes	Final Form Radionuclides	
As-Generated D007, D008, F003	Material Parameter	Average	Lower	Upper	Category:	Defense TRU Waste	SR225A	Isotope	Typical Concentration (Ci/m3)
	Iron-Base Metal/Alloys	101.00	0.00	140.00	Residues:	No		Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.02	0.00	0.20	Asbestos:	Unknown		Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	Unknown		Pu-239	1.28E+01
	Other Inorganic Materials	25.00	0.00	50.00	Source:	Other/Multiple Sources		Pu-240	3.17E-01
	Cellulosics	21.00	0.00	42.00				Pu-241	1.54E+01
	Rubber	0.06	0.00	0.60					
	Plastics	7.50	0.00	15.00					
	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	152.90							
	Packaging Material, Plastic	1.80							
	Packaging Material, Lead	0.00							
	Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : W026-221H-HET													
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 / 12' x 18' x 7'	342.5	0.0	0.0	0.0	0.0	342.5	55 Gallon Drum	129.2	0.0	0.0	0.0	0.0	129.2
Drum / 55-gallon	129.2	0.0	0.0	0.0	0.0	129.2	5'x5'x8' Box	458.5	0.0	0.0	0.0	0.0	458.5
As-Generated	Stored	471.6	Projected	0.0	Total	471.6	Final Form	Stored	587.6	Projected	0.0	Total	587.6

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description 200 Areas (F and H Separations Facilities). This waste is primarily solids consisting of mainly booties, lab coats, floor sweepings, rags, labware, and other job control wastes. Small Hepas, liquids, sludges and resins may also be found in this stream. The waste is generated primarily through separation activities in the course of plutonium production, includes small amounts of TRU waste from on site laboratories.

Waste Stream Source Description This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.

Current Container Comments N/A

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.

Final Form Comments N/A

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TWBIR ID: W026-235F-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W026	Handling	CH	Stream Name	CH Mixed TRU/Thirds Heterogeneous debris from 235F			Inventory Date	9/30/2002	
Local ID	SR-W026	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	Final Form Radionuclides		
As-Generated	Material Parameter	Average	Lower	Upper	Category:	SR225A	Isotope	Typical Concentration (Ci/m3)
D001, D003, D004, D006, D007, D008, D009, D011, D018, D019, D022, D023, D024, D025, D026, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, U239	Iron-Base Metal/Alloys	3.13	0.00	31.30	Residues:	No	Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.07	0.00	0.70	Asbestos:	Unknown	Pu-238	7.71E+01
	Other Metal/Alloys	0.04	0.00	0.40	PCBs:	Unknown	Pu-239	1.28E+01
	Other Inorganic Materials	1.24	0.00	12.40	Source:	Other/Multiple Sources	Pu-240	3.17E-01
	Cellulosics	2.20	0.00	22.00			Pu-241	1.54E+01
	Rubber	0.26	0.00	2.60				
	Plastics	15.30	0.00	153.00				
	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 : W026-235F-HET													
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	9.2	0.0	0.0	0.0	0.0	9.2	55 Gallon Drum	9.2	0.0	0.0	0.0	0.0	9.2
As-Generated	Stored 9.2	Projected 0.0	Total 9.2			Final Form	Stored 9.2	Projected 0.0	Total 9.2				

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TWBIR ID: W026-235F-HET

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description 200 Areas (F and H Separations Facilities). This waste is primarily solids consisting of mainly booties, lab coats, floor sweepings, rags, labware, and other job control wastes. Small Hepas, liquids, sludges and resins may also be found in this stream. The waste is generated primarily through separation activities in the course of plutonium production, includes small amounts of TRU waste from on site laboratories.

Waste Stream Source Description This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.

Current Container Comments Radionuclide concentrations may vary from 3.2.6.

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packed into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.

Final Form Comments N/A

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TWBIR ID: W026-772F-HET

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W026	Handling	CH	Stream Name	CH Mixed TRU/Thirds Heterogeneous debris from 772F			Inventory Date	9/30/2002	
Local ID	SR-W026	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	Final Form Radionuclides		
As-Generated	Material Parameter	Average	Lower	Upper	Category:	SR225A	Isotope	Typical Concentration (Ci/m3)
D001, D003, D004, D006, D007, D008, D009, D011, D018, D019, D022, D023, D024, D025, D026, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, U239	Iron-Base Metal/Alloys	3.13	0.00	31.30	Residues:	No	Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.07	0.00	0.70	Asbestos:	Unknown	Pu-238	7.71E+01
	Other Metal/Alloys	0.04	0.00	0.40	PCBs:	Unknown	Pu-239	1.28E+01
	Other Inorganic Materials	1.24	0.00	12.40	Source:	Other/Multiple Sources	Pu-240	3.17E-01
	Cellulosics	2.20	0.00	22.00			Pu-241	1.54E+01
	Rubber	0.26	0.00	2.60				
	Plastics	15.30	0.00	153.00				
	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 : W026-772F-HET													
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	2.5	0.0	0.0	0.0	0.0	2.5	55 Gallon Drum	2.5	0.0	0.0	0.0	0.0	2.5
As-Generated	Stored 2.5	Projected 0.0	Total 2.5			Final Form	Stored 2.5	Projected 0.0	Total 2.5				

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TWBIR ID: W026-772F-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description 200 Areas (F and H Separations Facilities). This waste is primarily solids consisting of mainly booties, lab coats, floor sweepings, rags, labware, and other job control wastes. Small Hepas, liquids, sludges and resins may also be found in this stream. The waste is generated primarily through separation activities in the course of plutonium production, includes small amounts of TRU waste from on site laboratories.

Waste Stream Source Description This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.

Current Container Comments N/A

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.

Final Form Comments N/A

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Annex J

TWBIR ID: W026-773A-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W026	Handling	CH	Stream Name	CH Mixed TRU/Thirds Heterogeneous debris from 773A			Inventory Date	9/30/2002	
Local ID	SR-W026	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	Final Form Radionuclides		
As-Generated	Material Parameter	Average	Lower	Upper	Category:	SR225A	Isotope	Typical Concentration (Ci/m3)
D001, D003, D004, D006, D007, D008, D009, D011, D018, D019, D022, D023, D024, D025, D026, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, U239	Iron-Base Metal/Alloys	190.00	0.00	380.00	Residues:	No	Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.01	0.00	0.10	Asbestos:	Unknown	Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	Unknown	Pu-239	1.28E+01
	Other Inorganic Materials	1126.00	0.00	1126.00	Source:	Other/Multiple Sources	Pu-240	3.17E-01
	Cellulosics	96.00	0.00	192.00			Pu-241	1.54E+01
	Rubber	0.05	0.00	0.50				
	Plastics	60.00	0.00	120.00				
	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	153.97						
	Packaging Material, Plastic	0.03						
	Packaging Material, Lead	0.00						
Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : W026-773A-HET													
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	
40"X41"X53" CASK	15.6	0.0	0.0	0.0	0.0	15.6	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Box / Misc.	1.9	0.0	0.0	0.0	0.0	1.9	5'x5'x8' Box	39.6	0.0	0.0	0.0	0.0	39.6
Drum / 55-gallon	1.0	0.0	0.0	0.0	0.0	1.0							
As-Generated	Stored 18.6	Projected 0.0	Total 18.6				Final Form	Stored 40.7	Projected 0.0	Total 40.7			

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TWBIR ID: W026-773A-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description 200 Areas (F and H Separations Facilities). This waste is primarily solids consisting of mainly booties, lab coats, floor sweepings, rags, labware, and other job control wastes. Small Hepas, liquids, sludges and resins may also be found in this stream. The waste is generated primarily through separation activities in the course of plutonium production, includes small amounts of TRU waste from on site laboratories.

Waste Stream Source Description This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.

Current Container Comments N/A

EPA Comments N/A

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.

Final Form Comments N/A

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TWBIR ID: W027-221F-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W027	Handling	CH	Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 221F			Inventory Date	9/30/2002	
Local ID	SR-W0027	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	Final Form Radionuclides		
As-Generated D005, D006, D007, D008, D009, D011, D018, D019, D022, D029, D039, D040, D043, F001, F002, F003, F005	Material Parameter	Average	Lower	Upper	Category: Defense TRU Waste	SR225A	Isotope	Typical Concentration (Ci/m3)
	Iron-Base Metal/Alloys	26.00	0.00	52.00	Residues: No		Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.10	0.00	1.00	Asbestos: Unknown		Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs: No		Pu-239	1.28E+01
	Other Inorganic Materials	6.70	0.00	13.40	Source: Other/Multiple Sources		Pu-240	3.17E-01
	Cellulosics	6.60	0.00	13.20			Pu-241	1.54E+01
	Rubber	0.20	0.00	2.00				
	Plastics	13.50	0.00	27.00				
	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	138.38						
	Packaging Material, Plastic	24.99						
	Packaging Material, Lead	0.00						
	Packaging Material, Steel Plug	0.00						

Waste Volume Detail (Cubic meters) for TWBIR ID : W027-221F-HET													
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 / 12' x 18' x 7'	385.3	0.0	0.0	0.0	0.0	385.3	55 Gallon Drum	2508.1	0.0	0.0	0.0	0.0	2508.1
Box / Misc.	30.8	0.0	0.0	0.0	0.0	30.8	5'x5'x8' Box	543.4	0.0	0.0	0.0	0.0	543.4
Drum / 55-gallon	2508.1	0.0	0.0	0.0	0.0	2508.1							
As-Generated	Stored	Projected	Total					Final Form	Stored	Projected	Total		
	2924.1	0.0	2924.1					3051.4	0.0	3051.4			

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TWBIR ID: **W027-221F-HET**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste. This stream differs from SR-W026 because solvent rags are suspected to be in the waste.
Waste Stream Source Description	This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.
Current Container Comments	Radionuclide concentration may vary from 3.2.6.
EPA Comments	A conservative interpretation of the mixed waste rule resulted in this waste stream being listed as solvent waste because of the potential presence of solvent rags.
Management Comments	The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.
Acceptance Comments	<p>Section 7.1: Breakdown of container #'s is estimated from total # in storage. Boxes and drums in culverts on Pads 7-17 are assumed to be TRU. For other pads and containers, 64% are estimated to be TRU. Waste on Pads 1-6 is assumed to be all solvent rags.</p> <p>Section 7.2: SRS TRU waste is found under TRUCON codes SR116A,B,C, SR122A,B,C and SR125A. GENERAAREA: 221 HB-Line, 221 FB-Line, 773-A, 772-F, 235-FGENOPERATI: Production of plutonium, uranium, neptunium, and laboratory support activities. RECLASS_CO: All waste identified by SR-W025, W026, W027, W033 will be assayed to determine TRU classification. Current classifications are based on process knowledge. CATION: NALDR_DETERM: Wastes placed in storage prior to LDR effective date (11/8/86). WASTE_PACK: Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.</p>
Final Form Comments	N/A

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TWBIR ID: W027-221H-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W027	Handling	CH	Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 221H			Inventory Date	9/30/2002	
Local ID	SR-W0027	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes
As-Generated
D006, D008, D009, D019, D022, D029, D035, D039, D040, D043, F001, F002, F003, F005, U133

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	36.00	0.00	72.00	
Aluminum-Base Metal/Alloys	0.05	0.00	0.50	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	65.00	0.00	130.00	
Cellulosics	13.20	0.00	24.00	
Rubber	3.00	0.00	6.00	
Plastics	16.00	0.00	32.00	
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	140.27			
Packaging Material, Plastic	21.35			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	SR225A
Residues:	No	
Asbestos:	Unknown	
PCBs:	No	
Source:	Other/Multiple Sources	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.77E-01
Pu-238	7.71E+01
Pu-239	1.28E+01
Pu-240	3.17E-01
Pu-241	1.54E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : W027-221H-HET													
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
40"X41"X53" CASK	14.2	0.0	0.0	0.0	0.0	14.2	55 Gallon Drum	1018.2	0.0	0.0	0.0	0.0	1018.2
Box / 12' x 18' x 7'	171.2	0.0	0.0	0.0	0.0	171.2	5'x5'x8' Box	317.0	0.0	0.0	0.0	0.0	317.0
Box / Misc.	56.0	0.0	0.0	0.0	0.0	56.0							
Drum / 55 gallon	1018.2	0.0	0.0	0.0	0.0	1018.2							
As-Generated	Stored	1259.6	Projected	0.0	Total	1259.6	Final Form	Stored	1335.1	Projected	0.0	Total	1335.1

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TWBIR ID: **W027-221H-HET**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste. This stream differs from SR-W026 because solvent rags are suspected to be in the waste.

Waste Stream Source Description This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.

Current Container Comments Radionuclide concentration may vary from 3.2.6.

EPA Comments A conservative interpretation of the mixed waste rule resulted in this waste stream being listed as solvent waste because of the potential presence of solvent rags.

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments Section 7.1: Breakdown of container #'s is estimated from total # in storage. Boxes and drums in culverts on Pads 7-17 are assumed to be TRU. For other pads and containers, 64% are estimated to be TRU. Waste on Pads 1-6 is assumed to be all solvent rags.

Section 7.2: SRS TRU waste is found under TRUCON codes SR116A,B,C, SR122A,B,C and SR125A. GENERAAREA: 221 HB-Line, 221 FB-Line, 773-A, 772-F, 235-FGENOPERATI: Production of plutonium, uranium, neptunium, and laboratory support activities. RECLASS_CO: All waste identified by SR-W025, W026, W027, W033 will be assayed to determine TRU classification. Current classifications are based on process knowledge. CATION: NALDR_DETERM: Wastes placed in storage prior to LDR effective date (11/8/86). WASTE_PACK: Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.

Final Form Comments N/A

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TWBIR ID: W027-235F-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W027	Handling	CH	Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 235F			Inventory Date	9/30/2002	
Local ID	SR-W0027	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	Final Form Radionuclides		
As-Generated	Material Parameter	Average	Lower	Upper	Category:	SR225A	Isotope	Typical Concentration (Ci/m3)
D001, D003, D004, D006, D007, D008, D009, D011, D018, D019, D022, D023, D024, D025, D026, F001, F002, F003, F005, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, U239	Iron-Base Metal/Alloys	30.00	0.00	60.00	Residues:	No	Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.05	0.00	0.50	Asbestos:	Unknown	Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No	Pu-239	1.28E+01
	Other Inorganic Materials	8.00	0.00	16.00	Source:	Other/Multiple Sources	Pu-240	3.17E-01
	Cellulosics	7.50	0.00	15.00			Pu-241	1.54E+01
	Rubber	0.20	0.00	2.00				
	Plastics	13.00	0.00	26.00				
	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	140.06						
	Packaging Material, Plastic	22.46						
	Packaging Material, Lead	0.00						
	Packaging Material, Steel Plug	0.00						

Waste Volume Detail (Cubic meters) for TWBIR ID : W027-235F-HET													
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 / 12' x 18' x 7'	42.8	0.0	0.0	0.0	0.0	42.8	55 Gallon Drum	311.2	0.0	0.0	0.0	0.0	311.2
Box / Misc.	28.0	0.0	0.0	0.0	0.0	28.0	5'x5'x8' Box	90.6	0.0	0.0	0.0	0.0	90.6
Drum / 55-gallon	311.2	0.0	0.0	0.0	0.0	311.2							
As-Generated	Stored	382.0	Projected	0.0	Total	382.0	Final Form	Stored	401.7	Projected	0.0	Total	401.7

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TWBIR ID: **W027-235F-HET**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste. This stream differs from SR-W026 because solvent rags are suspected to be in the waste.

Waste Stream Source Description This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.

Current Container Comments N/A

EPA Comments A conservative interpretation of the mixed waste rule resulted in this waste stream being listed as solvent waste because of the potential presence of solvent rags.

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments Section 7.2: SRS TRU waste is found under TRUCON codes SR116A,B,C, SR122A,B,C and SR125A. GENERAAREA: 221 HB-Line, 221 FB-Line, 773-A, 772-F, 235-FGENOPERATI: Production of plutonium, uranium, neptunium, and laboratory support activities. RECLASS_CO: All waste identified by SR-W025, W026, W027, W033 will be assayed to determine TRU classification. Current classifications are based on process knowledge. CATION: NALDR_DETERM: Wastes placed in storage prior to LDR effective date (11/8/86). WASTE_PACK: Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.

Final Form Comments N/A

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Annex J

TWBIR ID: W027-772F-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W027	Handling	CH	Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 772F			Inventory Date	9/30/2002	
Local ID	SR-W0027	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	Final Form Radionuclides		
As-Generated	Material Parameter	Average	Lower	Upper	Category:	SR225A	Isotope	Typical Concentration (Ci/m3)
D001, D003, D004, D006, D007, D008, D009, D011, D018, D019, D022, D023, D024, D025, D026, F001, F002, F003, F005, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, U239	Iron-Base Metal/Alloys	18.00	0.00	36.00	Residues:	No	Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.50	0.00	5.00	Asbestos:	Unknown	Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No	Pu-239	1.28E+01
	Other Inorganic Materials	5.00	0.00	10.00	Source:	Other/Multiple Sources	Pu-240	3.17E-01
	Cellulosics	5.00	0.00	10.00			Pu-241	1.54E+01
	Rubber	0.20	0.00	2.00				
	Plastics	14.00	0.00	28.00				
	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	136.48						
	Packaging Material, Plastic	28.90						
	Packaging Material, Lead	0.00						
Packaging Material, Steel Plug	0.00							

Waste Volume Detail (Cubic meters) for TWBIR ID : W027-772F-HET													
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 / Misc.	84.0	0.0	0.0	0.0	0.0	84.0	55 Gallon Drum	639.2	0.0	0.0	0.0	0.0	639.2
Drum / 55-gallon	639.2	0.0	0.0	0.0	0.0	639.2	5'x5'x8' Box	90.6	0.0	0.0	0.0	0.0	90.6
As-Generated	Stored	723.2	Projected	0.0	Total	723.2	Final Form	Stored	729.7	Projected	0.0	Total	729.7

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TWBIR ID: **W027-772F-HET**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste. This stream differs from SR-W026 because solvent rags are suspected to be in the waste.
Waste Stream Source Description	This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.
Current Container Comments	Radionuclide concentration may vary from 3.2.6.
EPA Comments	A conservative interpretation of the mixed waste rule resulted in this waste stream being listed as solvent waste because of the potential presence of solvent rags.
Management Comments	The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.
Acceptance Comments	Section 7.2: SRS TRU waste is found under TRUCON codes SR116A,B,C, SR122A,B,C and SR125A. GENERAAREA: 221 HB-Line, 221 FB-Line, 773-A, 772-F, 235-FGENOPERATI: Production of plutonium, uranium, neptunium, and laboratory support activities. RECLASS_CO: All waste identified by SR-W025, W026, W027, W033 will be assayed to determine TRU classification. Current classifications are based on process knowledge. CATION: NALDR_DETERM: Wastes placed in storage prior to LDR effective date (11/8/86). WASTE_PACK: Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.
Final Form Comments	N/A

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Annex J

TWBIR ID: W027-773A-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W027	Handling	CH	Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from 773A			Inventory Date	9/30/2002	
Local ID	SR-W0027	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5000

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	Final Form Radionuclides		
As-Generated	Material Parameter	Average	Lower	Upper	Category:	SR225A	Isotope	Typical Concentration (Ci/m3)
D001, D003, D004, D006, D007, D008, D009, D011, D018, D019, D022, D023, D024, D025, D026, F001, F002, F003, F005, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, U239	Iron-Base Metal/Alloys	139.00	0.00	278.00	Residues:	No	Am-241	2.77E-01
	Aluminum-Base Metal/Alloys	0.02	0.00	0.10	Asbestos:	Unknown	Pu-238	7.71E+01
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No	Pu-239	1.28E+01
	Other Inorganic Materials	798.00	0.00	798.00	Source:	Other/Multiple Sources	Pu-240	3.17E-01
	Cellulosics	69.00	0.00	138.00			Pu-241	1.54E+01
	Rubber	37.00	0.00	74.00				
	Plastics	46.00	0.00	92.00				
	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	152.34						
	Packaging Material, Plastic	2.86						
	Packaging Material, Lead	0.00						
	Packaging Material, Steel Plug	0.00						

Waste Volume Detail (Cubic meters) for TWBIR ID : W027-773A-HET													
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	
40"X41"X53" CASK	324.0	0.0	0.0	0.0	0.0	324.0	55 Gallon Drum	302.0	0.0	0.0	0.0	0.0	302.0
Box / Misc.	142.8	0.0	0.0	0.0	0.0	142.8	5'x5'x8' Box	786.7	0.0	0.0	0.0	0.0	786.7
Drum / 55-gallon	302.0	0.0	0.0	0.0	0.0	302.0							
As-Generated	Stored	Projected	Total					Final Form	Stored	Projected	Total		
	768.8	0.0	768.8					1088.8	0.0	1088.8			

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TWBIR ID: W027-773A-HET

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste. This stream differs from SR-W026 because solvent rags are suspected to be in the waste.

Waste Stream Source Description This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.

Current Container Comments Radionuclide concentration may vary from 3.2.6.

EPA Comments A conservative interpretation of the mixed waste rule resulted in this waste stream being listed as solvent waste because of the potential presence of solvent rags.

Management Comments The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description.

Acceptance Comments Section 7.2: SRS TRU waste is found under TRUCON codes SR116A,B,C, SR122A,B,C and SR125A. GENERAAREA: 221 HB-Line, 221 FB-Line, 773-A, 772-F, 235-FGENOPERATI: Production of plutonium, uranium, neptunium, and laboratory support activities. RECLASS_CO: All waste identified by SR-W025, W026, W027, W033 will be assayed to determine TRU classification. Current classifications are based on process knowledge. CATION: NALDR_DETERM: Wastes placed in storage prior to LDR effective date (11/8/86). WASTE_PACK: Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.

Final Form Comments N/A

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TWBIR ID: W027-999-HET

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W027	Handling	CH	Stream Name	CH Mixed TRU/F listed solvents - Heterogeneous debris from offsite			Inventory Date	9/30/2002	
Local ID	SR-W0027	Waste Type	MTRU	Generator Site	SR	Final Waste Form	Heterogeneous Debris		Waste Matrix Code	S5400

EPA Codes
As-Generated
D001, D003, D004, D006, D007, D008, D009, D011, D018, D019, D022, D023, D024, D025, D026, F001, F002, F003, F005, P012, P015, P048, P113, P120, U002, U032, U052, U080, U133, U134, U144, U151, U154, U161, U209, U211, U220, U226, U239

Waste Material Parameters (kg/m3)				
Material Parameter	Average	Lower	Upper	
Iron-Base Metal/Alloys	55.00	0.00	110.00	
Aluminum-Base Metal/Alloys	0.04	0.00	0.40	
Other Metal/Alloys	0.00	0.00	0.00	
Other Inorganic Materials	14.00	0.00	28.00	
Cellulosics	12.00	0.00	24.00	
Rubber	0.20	0.00	2.00	
Plastics	11.00	0.00	22.00	
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	145.77			
Packaging Material, Plastic	12.93			
Packaging Material, Lead	0.00			
Packaging Material, Steel Plug	0.00			

Final Waste Form Descriptors		TRUCON Codes
Category:	Defense TRU Waste	SR225A
Residues:	Yes	
Asbestos:	Unknown	
PCBs:	No	
Source:	Other/Multiple Sources	

Final Form Radionuclides	
Isotope	Typical Concentration (Ci/m3)
Am-241	2.77E-01
Pu-238	7.71E+01
Pu-239	1.28E+01
Pu-240	3.17E-01
Pu-241	1.54E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : W027-999-HET													
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
Box / Misc.	100.8	0.0	0.0	0.0	0.0	238.0	55 Gallon Drum	0.0	0.0	0.0	0.0	0.0	346.9
Drum / 30 gallon	27.5	0.0	0.0	0.0	0.0	27.5	5'x5'x8' Box	0.0	0.0	0.0	0.0	0.0	243.4
Drum / 55-gallon	155.0	54.0	81.0	0.0	0.0	290.0							
DRUM / 83 gallon	18.8	0.0	0.0	0.0	0.0	18.8							
As-Generated	Stored	302.1	Projected	272.2	Total	574.3	Final Form	Stored	0.0	Projected	590.3	Total	590.3

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TWBIR ID: W027-999-HET

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	This waste stream is primarily solids consisting of booties, lab coats, floor sweeping, labware, rags, and other job control waste.
Waste Stream Source Description	This waste is generated primarily through separations activities for Plutonium production. A small fraction comes from research activities.
Current Container Comments	Radionuclide concentration may vary from 3.2.6.
EPA Comments	A conservative interpretation of the mixed waste rule resulted in this waste stream being listed as solvent waste because of the potential presence of solvent rags.
Management Comments	The current plan is to characterize the waste followed by shipment and disposal at WIPP. HEPA filters packaged in polyboxes will be packaged into SWB's. All miscellaneous box waste and waste currently stored in 12'x18x7' steel boxes will be shipped utilizing 5'x5'x8' or smaller containers that meet TRUPACT III and WIPP disposal limits. Regulatory relief is expected to allow shipment of the higher activity drummed waste without volume expansion. Only physical dimension limitations have been assumed for TRUPACT III. For drums that assay at < 100nCi/g, overpacking with > 100nCi/g, drums into TDOPs is planned; however, TDOPs are not identified in the final waste form container description. This waste stream has been expanded to include the receipt of future Mound waste.
Acceptance Comments	Section 7.2: SRS TRU waste is found under TRUCON codes SR116A,B,C, SR122A,B,C and SR125A. GENERAAREA: 221 HB-Line, 221 FB-Line, 773-A, 772-F, 235-FGENOPERATI: Production of plutonium, uranium, neptunium, and laboratory support activities. GECLASS_CO: All waste identified by SR-W025, W026, W027, W033 will be assayed to determine TRU classification. Current classifications are based on process knowledge. CATION: NADR_DETERM: Wastes placed in storage prior to LDR effective date (11/8/86). WASTE_PACK: Waste is double-bagged and placed in a 90-mil polyethylene drum liner inside a 55-gallon carbon steel drum. The liner lid is glued in place. Drums with greater than 0.5 Ci total activity are placed inside concrete culverts for additional shielding. In addition, large carbon steel boxes are used to store waste equipment from the Canyon processes and other large, bulky wastes.
Final Form Comments	N/A

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TWBIR ID: W053-773A-VIT

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	SR-W053	Handling	CH	Stream Name	Contact handled mixed TRU/Residues from 773A			Inventory Date	9/30/2002	
Local ID	SR-W053	Waste Type	MTRU	Generator Site	N/A	Final Waste Form	Solidified Inorganics		Waste Matrix Code	S3111

EPA Codes	Waste Material Parameters (kg/m3)			Final Waste Form Descriptors	TRUCON Codes	Final Form Radionuclides		
As-Generated	Material Parameter	Average	Lower	Upper	Category:	OT YET ASSIGNE	Isotope	Typical Concentration (Ci/m3)
D004, D005, D006, D007, D008, D009, D010, D011, F001, F002, F005	Iron-Base Metal/Alloys	273.00	87.00	944.00	Residues:	Yes	Pu-239	6.40E+02
	Aluminum-Base Metal/Alloys	0.00	0.00	0.00	Asbestos:	No		
	Other Metal/Alloys	0.00	0.00	0.00	PCBs:	No		
	Other Inorganic Materials	0.00	0.00	0.00	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	2415.00	2205.00	2473.00				
	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 : W053-773A-VIT													
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	
small carton in 30 gal containe	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
As-Generated	Stored 0.6	Projected 0.0	Total 0.6				Final Form	Stored 0.6	Projected 0.0	Total 0.6			

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TWBIR ID: W053-773A-VIT

TRU WASTE BASELINE INVENTORY WASTE PROFILE

Waste Stream Description	This waste stream consists of Rocky Flats Incinerator Ash and F-listed solvents, and is contaminated with TRU nuclides from SRS laboratories. This waste is classified as contact-handled.
Waste Stream Source Description	This ash was sent to SRS from Rocky Flats for research into plutonium recovery. The ash was classified as hazardous by the Colorado Court System based on chemical analysis of F-listed solvent waste processed in the Rocky Flats Incinerator. SRS subsequently cancelled the research. The ash was declared mixed after SRS handled the waste as a Special Nuclear Material (SNM) in a SRTC vault.
Current Container Comments	paper cartons are placed in 30 gallon shipping containers
EPA Comments	The confidence level is low because process knowledge was used for characterization, no analytical data is available.
Management Comments	<p>The preferred treatment option is to return the ash to Rocky Flats for consolidation and treatment with similar wastes. Treatment (if any) would then be at the discretion of Rocky Flats. Until a full agreement between SRS and RF has been reached, preliminary plans indicate SRS would add this small stream to a larger stream for vitrification.</p> <p>The waste itself is in four small cartons which are placed in 30 gallon shipping containers at a ratio of two small cartons per shipping container.</p>
Acceptance Comments	One-time generation. Went in storage prior to the effective date of May 8, 1992.
Final Form Comments	This stream is currently stored in a total of 4 cartons which are placed in 30 gallon shipping containers (not TRAMPAC approved). 2 cartons per shipping container. The containers are stored in 235-F.