TWBIR ID: RL-W574

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W574	**Handling**	CH	**Stream Name**	2345Z 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	0.05	0.00	0.00
Aluminum-Base Metal/Alloys	0.01	0.00	0.00
Other Metal/Alloys	98.95	0.00	0.00
Other Inorganic Materials	9.58	0.00	0.00
Cellulosics	9.73	0.00	0.00
Rubber	3.73	0.00	0.00
Plastics	29.12	0.00	0.00
Solidified, Inorganic Matrix	0.80	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	10.04	0.00	0.00
Packaging Material, Steel	147.46		
Packaging Material, Plastic	11.38		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	9.30E+00
Pu-238	1.68E+00
Pu-239	1.04E-01
Pu-240	7.60E-02
Pu-241	7.03E+02
Pu-242	7.80E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W574

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	23.3	0.0	0.0	0.0	0.0	23.3
Standard Waste Box	58.6	0.0	0.0	0.0	0.0	58.6

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	23.3	0.0	0.0	0.0	0.0	23.3
Standard Waste Box	58.6	0.0	0.0	0.0	0.0	58.6

As-Generated	**Stored**	81.9	**Projected**	0.0	**Total**	81.9	**Final Form**	**Stored**	81.9	**Projected**	0.0	**Total**	81.9

TWBIR ID: RL-W574

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 PLUTONIUM FABRICATION FACILITY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W575

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W575	**Handling**	CH	**Stream Name**	2345Z 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	0.40	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	45.71	0.00	0.00
Other Inorganic Materials	8.03	0.00	0.00
Cellulosics	34.41	0.00	0.00
Rubber	13.99	0.00	0.00
Plastics	49.96	0.00	0.00
Solidified, Inorganic Matrix	0.79	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	23.40	0.00	0.00
Packaging Material, Steel	137.89		
Packaging Material, Plastic	26.28		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.92E+01
Pu-238	3.27E+00
Pu-239	2.87E-01
Pu-240	1.75E-01
Pu-241	1.27E+03
Pu-242	3.92E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W575

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	199.1	0.0	0.0	0.0	0.0	199.1
Standard Waste Box	85.1	0.0	0.0	0.0	0.0	85.1

As-Generated | **Stored** 284.1 | **Projected** 0.0 | **Total** 284.1

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	199.1	0.0	0.0	0.0	0.0	199.1
Standard Waste Box	85.1	0.0	0.0	0.0	0.0	85.1

Final Form | **Stored** 284.1 | **Projected** 0.0 | **Total** 284.1

TWBIR ID: RL-W575

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 PLUTONIUM FABRICATION FACILITY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W576

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W576	**Handling**	CH	**Stream Name**	2345Z 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	55.57	0.00	0.00
Other Inorganic Materials	10.80	0.00	0.00
Cellulosics	18.55	0.00	0.00
Rubber	3.51	0.00	0.00
Plastics	26.16	0.00	0.00
Solidified, Inorganic Matrix	5.87	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.14	0.00	0.00
Soils	13.65	0.00	0.00
Packaging Material, Steel	148.99		
Packaging Material, Plastic	9.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	8.67E+00
Pu-238	1.58E+00
Pu-239	1.01E-01
Pu-240	7.30E-02
Pu-241	6.60E+02
Pu-242	5.98E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W576

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	8.9	0.0	0.0	0.0	0.0	8.9
Standard Waste Box	32.1	0.0	0.0	0.0	0.0	32.1

As-Generated	Stored	41.1	Projected	0.0	Total	41.1

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
	0.0	0.0	0.0	0.0	0.0	0.0
55-Gallon Drum	8.9	0.0	0.0	0.0	0.0	8.9
Standard Waste Box	32.1	0.0	0.0	0.0	0.0	32.1

Final Form	Stored	41.1	Projected	0.0	Total	41.1

TWBIR ID: RL-W576

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 PLUTONIUM FABRICATION FACILITY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the PLUTONIUM FABRICATION FACILITY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W579

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W579	**Handling**	CH	**Stream Name**	2714U MTRU CH heterogeneous S5420 Mixed RCRA w/ org,met,Hg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	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	0.05	0.05	0.05
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	291.07	291.07	291.07
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	54.00	54.00	54.00
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	236.31	236.31	236.31
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.52E-01
Pu-238	4.06E-03
Pu-239	4.94E-02
Pu-240	1.11E-02
Pu-241	2.28E-01
Pu-242	6.65E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W579

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	Stored	0.4	Projected	0.0	Total	0.4

TWBIR ID: RL-W579

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

TWBIR ID: RL-W580

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W580	**Handling**	CH	**Stream Name**	2718E MTRU CH filter S5410 Mixed State Reg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	Filter	**Waste Matrix Code**	S5410

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	117.25	114.42	142.86
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	9.00	5.26	42.86
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	151.71		
Packaging Material, Plastic	4.76		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Ba-137m	1.31E-04
Cs-137	1.42E-04
Pu-239	7.87E-02
Pu-240	1.29E-02
Sr-90	1.30E-04
Tc-99	3.11E-08
Y-90	1.30E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W580

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

As-Generated Stored 2.1 Projected 0.0 Total 2.1

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

Final Form Stored 2.1 Projected 0.0 Total 2.1

TWBIR ID: RL-W580

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 CRITICAL MASS STORAGE.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the CRITICAL MASS STORAGE.
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

TWBIR ID: RL-W581

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W581	**Handling**	CH	**Stream Name**	2718E 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	0.00	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	7.21	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	48.07	0.00	0.00
Rubber	64.91	0.00	0.00
Plastics	50.49	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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.79E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W581

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form Stored 0.4 | Projected 0.0 | Total 0.4

TWBIR ID: RL-W581

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 CRITICAL MASS STORAGE.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the CRITICAL MASS STORAGE.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W582

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W582	**Handling**	CH	**Stream Name**	308 MTRU CH solidified inorganic S3119 Mixed RCRA w/ met,Hg,cor	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	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	0.95	0.95	0.95
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.00	0.00	0.00
Other Inorganic Materials	0.95	0.95	0.95
Cellulosics	0.00	0.00	0.00
Rubber	4.29	4.29	4.29
Plastics	10.48	10.48	10.48
Solidified, Inorganic Matrix	88.10	88.10	88.10
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.36E-02
Ba-137m	4.49E-03
Cs-137	4.88E-03
Pu-238	6.93E-03
Pu-239	2.53E-02
Pu-240	1.32E-02
Pu-241	7.36E-02
Pu-242	3.85E-07
Sr-90	4.45E-03
Tc-99	1.04E-06
Y-90	4.45E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W582

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W582

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT 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

TWBIR ID: RL-W583

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W583	**Handling**	CH	**Stream Name**	308 MTRU CH combustible S5319 Mixed RCRA w/ met,ign	**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	0.00	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	24.00	24.00	24.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	18.00	18.00	18.00
Rubber	12.00	12.00	12.00
Plastics	100.80	100.80	100.80
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.31E-02
Pu-238	3.75E-03
Pu-239	1.43E-01
Pu-240	3.20E-02
Pu-241	4.29E-01
Pu-242	1.93E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W583

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W583

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT 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

TWBIR ID: RL-W584

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W584	**Handling**	CH	**Stream Name**	308 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

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	296.24	296.24	296.24
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	19.05	19.05	19.05
Rubber	0.00	0.00	0.00
Plastics	24.24	24.24	24.24
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.81E-01
Ba-137m	8.98E-04
Cs-137	9.76E-04
Pu-238	2.46E-01
Pu-239	8.35E-01
Pu-240	4.10E-01
Pu-241	2.16E+00
Pu-242	1.20E-05
Sr-90	8.91E-04
Tc-99	2.08E-07
Y-90	8.91E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W584

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W584

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT 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

TWBIR ID: RL-W585

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W585	**Handling**	CH	**Stream Name**	308 MTRU CH heterogeneous S5420 Mixed RCRA w/ ign	**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

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	143.57	143.57	143.57
Other Inorganic Materials	1.19	1.19	1.19
Cellulosics	9.52	9.52	9.52
Rubber	0.00	0.00	0.00
Plastics	17.14	17.14	17.14
Solidified, Inorganic Matrix	1.19	1.19	1.19
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	5.18E-01
Ba-137m	7.10E-06
Cs-137	7.72E-06
Pu-238	6.54E-01
Pu-239	2.43E+00
Pu-240	1.25E+00
Pu-241	3.28E+01
Pu-242	3.64E-04
Sr-90	7.04E-06
Tc-99	1.65E-09
Y-90	7.04E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W585

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	Stored	0.4	Projected	0.0	Total	0.4

TWBIR ID: RL-W585

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT 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

TWBIR ID: RL-W586

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W586	**Handling**	CH	**Stream Name**	308 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	163.20	163.20	163.20
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.00	0.00	0.00
Other Inorganic Materials	90.40	90.40	90.40
Cellulosics	18.00	18.00	18.00
Rubber	18.00	18.00	18.00
Plastics	43.20	43.20	43.20
Solidified, Inorganic Matrix	3.84	3.84	3.84
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.08E-04
Pu-238	5.93E-05
Pu-239	2.26E-03
Pu-240	5.06E-04
Pu-241	6.78E-03
Pu-242	3.05E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W586

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form Stored 0.2 | Projected 0.0 | Total 0.2

TWBIR ID: RL-W586

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT 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

TWBIR ID: RL-W587

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W587	**Handling**	CH	**Stream Name**	308 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	38.10	38.10	76.52
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	37.10	26.30	47.79
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	27.52	19.13	35.85
Rubber	40.67	33.48	47.79
Plastics	62.02	28.68	95.65
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.10E-03
Pu-238	6.38E-04
Pu-239	2.41E-02
Pu-240	5.40E-03
Pu-241	7.60E-02
Pu-242	3.25E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W587

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	**Stored**	0.4	**Projected**	0.0	**Total**	0.4

TWBIR ID: RL-W587

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT 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

TWBIR ID: RL-W588

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W588	**Handling**	CH	**Stream Name**	308 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	19.05	19.05	19.05
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	37.76	37.76	37.76
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	28.57	28.57	28.57
Rubber	80.95	80.95	80.95
Plastics	38.38	38.38	38.38
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.27E-01
Ba-137m	8.98E-04
Cs-137	9.76E-04
Pu-238	2.07E-01
Pu-239	7.02E-01
Pu-240	3.45E-01
Pu-241	1.81E+00
Pu-242	1.01E-05
Sr-90	8.91E-04
Tc-99	2.08E-07
Y-90	8.91E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W588

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W588

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT 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

TWBIR ID: RL-W589

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W589	**Handling**	CH	**Stream Name**	308 MTRU CH 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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	1369.05	1369.05	1369.05
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	87.14	87.14	87.14
Rubber	0.00	0.00	0.00
Plastics	90.95	90.95	90.95
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:	Non-defense TRU Waste
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Ba-137m	1.30E-04
Cs-137	1.41E-04
Sr-90	1.29E-04
Tc-99	3.01E-08
Y-90	1.29E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W589

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form Stored 0.2 | Projected 0.0 | Total 0.2

TWBIR ID: RL-W589

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT 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

TWBIR ID: RL-W590

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W590	**Handling**	CH	**Stream Name**	308 TRU CH solidified organics L2290 Non-mixed	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	TRU	**Generator Site**	N/A	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	L2290

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	129.38	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	100.32	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.26E+00
Pu-238	1.49E+00
Pu-239	1.82E-02
Pu-240	3.27E-02
Pu-241	8.01E+01
Pu-242	1.66E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W590

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6

Final Form	**Stored**	0.6	**Projected**	0.0	**Total**	0.6

TWBIR ID: RL-W590

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W591

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W591	**Handling**	CH	**Stream Name**	308 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	346.15	0.00	0.00
Other Inorganic Materials	12.02	0.00	0.00
Cellulosics	16.82	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	110.57	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.87E+01
Pu-238	5.05E+00
Pu-239	6.78E-02
Pu-240	1.27E-01
Pu-241	1.45E+03
Pu-242	6.41E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W591

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	**Stored**	0.2	**Projected**	0.0	**Total**	0.2

TWBIR ID: RL-W591

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W592

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W592	**Handling**	CH	**Stream Name**	308 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	0.00	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	456.34	0.00	0.00
Other Inorganic Materials	7.13	0.00	0.00
Cellulosics	4.13	0.00	0.00
Rubber	2.80	0.00	0.00
Plastics	17.79	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	3.33	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	8.46E+00
Pu-238	4.60E+00
Pu-239	2.62E-01
Pu-240	3.42E-01
Pu-241	4.88E+02
Pu-242	1.12E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W592

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	2.5	0.0	0.0	0.0	0.0	2.5

Final Form	**Stored**	2.5	**Projected**	0.0	**Total**	2.5

TWBIR ID: RL-W592

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W593

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W593	**Handling**	CH	**Stream Name**	308 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

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	46.84	0.00	0.00
Other Inorganic Materials	652.22	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	7.27	0.00	0.00
Solidified, Inorganic Matrix	0.64	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Pu-239	3.78E-02
Pu-240	6.42E-02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W593

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6

Final Form	**Stored**	0.6	**Projected**	0.0	**Total**	0.6

TWBIR ID: RL-W593

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W594

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W594	**Handling**	CH	**Stream Name**	308 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	7.73	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	51.79	0.00	0.00
Other Inorganic Materials	2.81	0.00	0.00
Cellulosics	4.16	0.00	0.00
Rubber	22.72	0.00	0.00
Plastics	234.84	0.00	0.00
Solidified, Inorganic Matrix	1.12	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.10	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.86E+01
Pu-238	8.30E-01
Pu-239	1.17E-02
Pu-240	2.17E-02
Pu-241	1.22E+02
Pu-242	4.10E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W594

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	2.5	0.0	0.0	0.0	0.0	2.5

Final Form	**Stored**	2.5	**Projected**	0.0	**Total**	2.5

TWBIR ID: RL-W594

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: **RL-W595**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W595	**Handling**	CH	**Stream Name**	308 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

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	70.39	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	42.65	0.00	0.00
Rubber	4.26	0.00	0.00
Plastics	48.55	0.00	0.00
Solidified, Inorganic Matrix	4.01	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	7.40E-02
Pu-238	3.46E-01
Pu-239	3.20E-02
Pu-240	6.31E-02
Pu-241	4.84E+00
Pu-242	3.83E-09

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W595

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6

Final Form	**Stored**	0.6	**Projected**	0.0	**Total**	0.6

TWBIR ID: RL-W595

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W596

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W596	**Handling**	CH	**Stream Name**	308 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

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	9.95	0.00	0.00
Cellulosics	6.02	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.21	0.00	0.00
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.84E-03
Pu-238	1.78E-03
Pu-239	2.18E-05
Pu-240	3.92E-05
Pu-241	9.60E-02
Pu-242	1.99E-11

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W596

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4

As-Generated	Stored	9.4	Projected	0.0	Total	9.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4

Final Form	Stored	9.4	Projected	0.0	Total	9.4

TWBIR ID: RL-W596

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W597

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W597	**Handling**	CH	**Stream Name**	308 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	0.00	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	305.22	0.00	0.00
Other Inorganic Materials	51.90	0.00	0.00
Cellulosics	10.49	0.00	0.00
Rubber	0.19	0.00	0.00
Plastics	44.33	0.00	0.00
Solidified, Inorganic Matrix	10.85	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.00E+01
Pu-238	2.37E+00
Pu-239	1.28E-01
Pu-240	2.15E-01
Pu-241	5.43E+02
Pu-242	2.35E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W597

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	3.1	0.0	0.0	0.0	0.0	3.1

As-Generated	**Stored**	3.1	**Projected**	0.0	**Total**	3.1

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	3.1	0.0	0.0	0.0	0.0	3.1

Final Form	**Stored**	3.1	**Projected**	0.0	**Total**	3.1

TWBIR ID: RL-W597

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W598

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W598	**Handling**	CH	**Stream Name**	308 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	38.60	0.00	0.00
Aluminum-Base Metal/Alloys	0.10	0.00	0.00
Other Metal/Alloys	87.53	0.00	0.00
Other Inorganic Materials	17.28	0.00	0.00
Cellulosics	28.93	0.00	0.00
Rubber	9.83	0.00	0.00
Plastics	72.51	0.00	0.00
Solidified, Inorganic Matrix	2.83	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.25	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.92E+00
Pu-238	4.99E+00
Pu-239	6.36E-02
Pu-240	9.58E-02
Pu-241	2.00E+02
Pu-242	4.98E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W598

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	8.7	0.0	0.0	0.0	0.0	8.7

As-Generated	**Stored**	8.7	**Projected**	0.0	**Total**	8.7

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	8.7	0.0	0.0	0.0	0.0	8.7

Final Form	**Stored**	8.7	**Projected**	0.0	**Total**	8.7

TWBIR ID: RL-W598

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W599

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W599	**Handling**	CH	**Stream Name**	308 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	346.15	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	5.78	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	49.04	0.00	0.00
Solidified, Inorganic Matrix	153.87	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	6.28E+00
Pu-238	1.69E+00
Pu-239	2.26E-02
Pu-240	4.24E-02
Pu-241	4.84E+02
Pu-242	2.14E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W599

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	**Stored**	0.2	**Projected**	0.0	**Total**	0.2

TWBIR ID: RL-W599

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 FUELS DEVELOPMENT LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the FUELS DEVELOPMENT LABORATORY.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W600

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W600	**Handling**	CH	**Stream Name**	318 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	180.00	180.00	360.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	24.00	24.00	48.00
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	163.20	153.60	172.80
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	131.00		
Packaging Material, Plastic	37.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.48E-07
Pu-238	4.23E-08
Pu-239	1.61E-06
Pu-240	3.61E-07
Pu-241	4.84E-06
Pu-242	2.18E-11

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W600

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.2	0.0	0.0	0.0	0.6

As-Generated	**Stored**	0.4	**Projected**	0.2	**Total**	0.6

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.6

Final Form	**Stored**	0.4	**Projected**	0.2	**Total**	0.6

TWBIR ID: RL-W600

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 RADIOLOGICAL CALIBRATIONS LABORATORY.
Waste Stream Source Description	The waste is generated from Facility/Equipment Operation and Maintenance Waste activities at the RADIOLOGICAL CALIBRATIONS 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

TWBIR ID: RL-W601

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W601	**Handling**	CH	**Stream Name**	324 MTRU CH solidified organics L2290 Mixed RCRA w/ met,ign	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	Solidified Organics	**Waste Matrix Code**	L2290

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	59.05	59.05	59.05
Other Inorganic Materials	14.39	14.39	14.39
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	19.13	19.13	19.13
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	59.52	59.52	59.52
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.33E-04
Ba-137m	8.20E-05
Cs-137	8.92E-05
Pu-238	1.54E-04
Pu-239	5.39E-03
Pu-240	1.21E-03
Pu-241	2.68E-02
Pu-242	7.27E-08
Sr-90	8.18E-05
Tc-99	1.74E-08
Y-90	8.18E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W601

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.4	0.0	0.0	0.0	0.8

As-Generated	Stored	0.4	Projected	0.4	Total	0.8

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.8

Final Form	Stored	0.4	Projected	0.4	Total	0.8

TWBIR ID: RL-W601

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

TWBIR ID: RL-W602

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W602	**Handling**	CH	**Stream Name**	324 TRU CH Pb/Cd metal S5112 Non-mixed	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	TRU	**Generator Site**	N/A	**Final Waste Form**	Lead/Cadmium Metal	**Waste Matrix Code**	S5112

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	2105.26	2105.26	2105.26
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	78.95	54.74	103.16
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	149.84		
Packaging Material, Plastic	7.68		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.69E-01
Pu-238	5.88E-02
Pu-239	2.19E+00
Pu-240	4.91E-01
Pu-241	7.60E+00
Pu-242	2.95E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W602

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Drum / 55 gallon	0.0	0.4	0.0	0.0	0.0	0.4
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

As-Generated	Stored	1.9	Projected	0.4	Total	2.3

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.0	0.0	0.0	0.0	0.0	0.4
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

Final Form	Stored	1.9	Projected	0.4	Total	2.3

TWBIR ID: RL-W602

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

TWBIR ID: RL-W603

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W603	**Handling**	CH	**Stream Name**	324 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	0.00	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	79.83	3.62	141.84
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	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.58E-01
Pu-238	1.25E-01
Pu-239	4.64E+00
Pu-240	1.04E+00
Pu-241	1.61E+01
Pu-242	6.25E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W603

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	7.6	0.0	0.0	0.0	0.0	7.6

As-Generated	Stored	7.6	Projected	0.0	Total	7.6

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	7.6	0.0	0.0	0.0	0.0	7.6

Final Form	Stored	7.6	Projected	0.0	Total	7.6

TWBIR ID: RL-W603

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

TWBIR ID: RL-W604

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W604	**Handling**	CH	**Stream Name**	324 MTRU CH uncategorized metal S5119 Mixed RCRA w/ org	**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	161.81	161.81	161.81
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	3.76	3.76	3.76
Rubber	0.00	0.00	0.00
Plastics	24.69	24.69	24.69
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	5.36E-02
Ba-137m	1.61E-01
Cs-137	1.70E-01
Pu-238	1.18E-02
Pu-239	8.14E-02
Pu-240	4.05E-02
Pu-241	6.90E-01
Pu-242	3.97E-06
Sr-90	1.68E-03
Y-90	1.68E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W604

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W604

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

TWBIR ID: **RL-W605**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W605	**Handling**	CH	**Stream Name**	324 MTRU CH combustible S5330 Mixed RCRA w/ org	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**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	100.00	100.00	100.00
Rubber	0.00	0.00	0.00
Plastics	28.57	28.57	28.57
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.23E-03
Ba-137m	3.30E-03
Cs-137	3.59E-03
Pu-238	2.57E-03
Pu-239	9.01E-02
Pu-240	2.02E-02
Pu-241	4.48E-01
Pu-242	1.21E-06
Sr-90	3.29E-03
Tc-99	6.99E-07
Y-90	3.29E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W605

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form Stored 0.2 | Projected 0.0 | Total 0.2

TWBIR ID: RL-W605

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

TWBIR ID: RL-W606

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W606	**Handling**	CH	**Stream Name**	324 MTRU CH combustible S5390 Mixed RCRA w/ org	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	Combustible	**Waste Matrix Code**	S5390

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	193.33	193.33	193.33
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	117.14	117.14	117.14
Rubber	111.90	111.90	111.90
Plastics	71.43	71.43	71.43
Solidified, Inorganic Matrix	2.38	2.38	2.38
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	8.98E-04
Ba-137m	1.61E-02
Cs-137	1.75E-02
Pu-238	1.03E-03
Pu-239	3.63E-02
Pu-240	8.13E-03
Pu-241	1.81E-01
Pu-242	4.90E-07
Sr-90	1.60E-02
Tc-99	3.40E-06
Y-90	1.60E-02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W606

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W606

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

TWBIR ID: RL-W607

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W607	**Handling**	CH	**Stream Name**	324 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

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	45.19	45.19	45.19
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	116.52	116.52	116.52
Rubber	0.00	0.00	0.00
Plastics	19.05	19.05	19.05
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	9.02E-03
Ba-137m	1.42E-01
Cs-137	1.50E-01
Pu-238	2.00E-03
Pu-239	1.38E-02
Pu-240	6.85E-03
Pu-241	1.16E-01
Pu-242	6.70E-07
Sr-90	1.48E-03
Y-90	1.48E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W607

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W607

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

TWBIR ID: RL-W608

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W608	**Handling**	CH	**Stream Name**	324 MTRU CH heterogeneous S5490 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**	S5490

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	3.41	3.66	3.66
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	16.96	12.24	80.95
Other Inorganic Materials	102.62	85.62	333.33
Cellulosics	0.29	4.16	4.16
Rubber	0.00	0.00	0.00
Plastics	1.80	1.93	1.93
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	152.42		
Packaging Material, Plastic	3.66		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.23E-03
Ba-137m	2.02E-01
Cs-137	2.13E-01
Pu-238	2.67E-03
Pu-239	6.14E-04
Pu-240	7.63E-04
Pu-241	6.14E-02
Pu-242	1.77E-06
Sr-90	1.37E-01
Y-90	1.37E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W608

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Standard Waste Box	5.7	0.0	0.0	0.0	0.0	5.7

As-Generated Stored 6.1 Projected 0.0 Total 6.1

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Standard Waste Box	5.7	0.0	0.0	0.0	0.0	5.7

Final Form Stored 6.1 Projected 0.0 Total 6.1

TWBIR ID: RL-W608

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

TWBIR ID: RL-W610

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W610	**Handling**	CH	**Stream Name**	324 TRU CH Pb/Cd metal X7219 Non-mixed	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	TRU	**Generator Site**	N/A	**Final Waste Form**	Lead/Cadmium Metal	**Waste Matrix Code**	X7219

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	1024.21	1024.21	1024.21
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	863.26	863.26	863.26
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	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	8.04E-01
Pu-238	2.29E-01
Pu-239	8.74E+00
Pu-240	1.96E+00
Pu-241	2.63E+01
Pu-242	1.18E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W610

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	3.8	0.0	0.0	0.0	0.0	3.8

Final Form	Stored	3.8	Projected	0.0	Total	3.8

TWBIR ID: RL-W610

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

TWBIR ID: RL-W612

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W612	**Handling**	CH	**Stream Name**	324 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	8.82	0.00	0.00
Other Inorganic Materials	2.65	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	53.48	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	140.05		
Packaging Material, Plastic	22.91		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	7.26E-04
Ba-137m	1.17E-02
Cs-137	1.30E-02
Pu-238	2.13E-04
Pu-239	8.15E-03
Pu-240	1.83E-03
Pu-241	2.39E-02
Pu-242	1.10E-07
Sr-90	1.15E-02
Tc-99	3.19E-06
Y-90	1.15E-02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W612

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.2	0.0	0.0	0.0	0.0	2.9
Standard Waste Box	0.0	0.0	0.0	0.0	0.0	1.9

As-Generated | **Stored** 0.2 | **Projected** 4.6 | **Total** 4.8

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.2	0.0	0.0	0.0	0.0	2.9
Standard Waste Box	0.0	0.0	0.0	0.0	0.0	1.9

Final Form | **Stored** 0.2 | **Projected** 4.6 | **Total** 4.8

TWBIR ID: RL-W612

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 CHEMICAL ENGINEERING BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W613

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W613	**Handling**	RH	**Stream Name**	324 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	141.11	141.11	326.82
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	510.44	6.43	1274.26
Other Inorganic Materials	0.64	0.05	7.17
Cellulosics	1.80	0.03	27.90
Rubber	6.42	0.53	30.87
Plastics	3.03	0.20	9.57
Solidified, Inorganic Matrix	0.42	0.42	13.51
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.58E+00
Ba-137m	8.69E+02
Cs-137	9.19E+02
Pu-238	7.23E-02
Pu-239	1.39E-01
Pu-240	3.38E-02
Pu-241	1.05E+00
Pu-242	1.28E-03
Sr-90	4.49E+02
Y-90	4.49E+02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W613

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	45.4	0.0	0.0	0.0	0.0	45.4

As-Generated	Stored	45.4	Projected	0.0	Total	45.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	45.4	0.0	0.0	0.0	0.0	45.4

Final Form	Stored	45.4	Projected	0.0	Total	45.4

TWBIR ID: RL-W613

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

TWBIR ID: RL-W614

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W614	**Handling**	RH	**Stream Name**	324 MTRU RH 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	293.95	287.83	297.40
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	288.50	244.50	335.34
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	2.19	2.19	6.57
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	10.37	10.37	19.70
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	9.24E+00
Ba-137m	1.89E+03
Cs-137	2.00E+03
Pu-238	4.56E-01
Pu-239	8.52E-02
Pu-240	8.33E-02
Pu-241	4.10E+00
Pu-242	1.39E-04
Sr-90	1.50E+03
Y-90	1.50E+03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W614

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	15.1	21.4	0.0	0.0	0.0	36.5

As-Generated	**Stored**	15.1	**Projected**	21.4	**Total**	36.5

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	15.1	0.0	0.0	0.0	0.0	36.5

Final Form	**Stored**	15.1	**Projected**	21.4	**Total**	36.5

TWBIR ID: RL-W614

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

TWBIR ID: RL-W615

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W615	**Handling**	CH	**Stream Name**	324 TRU CH inorganic non-metal S5122 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**	S5122

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	166.67	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	335.45	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	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Pu-239	1.79E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W615

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

As-Generated	Stored	1.9	Projected	0.0	Total	1.9

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

Final Form	Stored	1.9	Projected	0.0	Total	1.9

TWBIR ID: RL-W615

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 CHEMICAL ENGINEERING BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W616

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W616	**Handling**	RH	**Stream Name**	324 TRU RH inorganic non-metal S5190 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**	S5190

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	768.48	750.11	807.57
Other Inorganic Materials	1302.99	1252.85	1376.16
Cellulosics	0.05	0.05	0.19
Rubber	19.66	18.98	20.85
Plastics	15.39	1.90	20.85
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.34E+00
Ba-137m	5.25E+02
Cs-137	5.55E+02
Pu-238	1.05E-01
Pu-239	3.28E-02
Pu-240	3.21E-02
Pu-241	1.51E+00
Pu-242	5.37E-05
Sr-90	5.51E+02
Y-90	5.51E+02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W616

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	5.3	0.0	0.0	0.0	0.0	5.3

As-Generated	Stored	5.3	Projected	0.0	Total	5.3

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	5.3	0.0	0.0	0.0	0.0	5.3

Final Form	Stored	5.3	Projected	0.0	Total	5.3

TWBIR ID: RL-W616

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

TWBIR ID: RL-W617

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W617	**Handling**	RH	**Stream Name**	324 TRU RH 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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	261.43	261.43	261.43
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.00	0.00	0.00
Other Inorganic Materials	164.38	164.38	164.38
Cellulosics	0.00	0.00	0.00
Rubber	1.41	1.41	1.41
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.30E-01
Ba-137m	7.57E+01
Cs-137	8.00E+01
Pu-238	1.49E-02
Pu-239	4.63E-03
Pu-240	4.52E-03
Pu-241	2.22E-01
Pu-242	7.52E-06
Sr-90	7.94E+01
Y-90	7.94E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W617

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	1.8	0.0	0.0	0.0	0.0	1.8

As-Generated	Stored	1.8	Projected	0.0	Total	1.8

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	1.8	0.0	0.0	0.0	0.0	1.8

Final Form	Stored	1.8	Projected	0.0	Total	1.8

TWBIR ID: RL-W617

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

TWBIR ID: RL-W618

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W618	**Handling**	RH	**Stream Name**	324 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	2737.01	349.16	7726.47
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	1290.48	672.25	2615.35
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	9.88	9.88	14.94
Plastics	39.50	39.50	59.76
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.50E+00
Ba-137m	5.56E+02
Cs-137	3.00E+02
Pu-238	5.90E-01
Pu-239	7.78E-02
Pu-240	7.42E-02
Pu-241	2.52E+02
Pu-242	1.22E-06
Sr-90	1.17E+01
Y-90	1.17E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W618

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	1.8	0.0	0.0	0.0	0.0	1.8

As-Generated	Stored	1.8	Projected	0.0	Total	1.8

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	1.8	0.0	0.0	0.0	0.0	1.8

Final Form	Stored	1.8	Projected	0.0	Total	1.8

TWBIR ID: RL-W618

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

TWBIR ID: RL-W619

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W619	**Handling**	RH	**Stream Name**	324 MTRU RH 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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	312.95	287.14	342.25
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	211.92	188.84	243.31
Other Inorganic Materials	0.70	0.70	3.52
Cellulosics	0.02	0.02	0.10
Rubber	0.00	0.00	0.00
Plastics	0.20	0.20	1.00
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	123.18	66.05	235.43
Packaging Material, Steel	434.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	464.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.13E+01
Ba-137m	3.36E+03
Cs-137	3.55E+03
Pu-238	8.02E-01
Pu-239	1.57E-01
Pu-240	1.54E-01
Pu-241	7.32E+00
Pu-242	2.36E-04
Sr-90	2.23E+03
Y-90	2.23E+03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W619

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	24.9	0.0	0.0	0.0	0.0	24.9

As-Generated	**Stored**	24.9	**Projected**	0.0	**Total**	24.9

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	24.9	0.0	0.0	0.0	0.0	24.9

Final Form	**Stored**	24.9	**Projected**	0.0	**Total**	24.9

TWBIR ID: RL-W619

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

TWBIR ID: RL-W620

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W620	**Handling**	RH	**Stream Name**	324 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	261.43	261.43	261.43
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	229.55	229.55	229.55
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	9.24E-02
Ba-137m	2.11E+01
Cs-137	2.23E+01
Pu-238	4.18E-03
Pu-239	1.30E-03
Pu-240	1.27E-03
Pu-241	6.22E-02
Pu-242	2.13E-06
Sr-90	2.23E+01
Y-90	2.23E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W620

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	1.8	0.0	0.0	0.0	0.0	1.8

As-Generated	Stored	1.8	Projected	0.0	Total	1.8

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	1.8	0.0	0.0	0.0	0.0	1.8

Final Form	Stored	1.8	Projected	0.0	Total	1.8

TWBIR ID: RL-W620

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

TWBIR ID: RL-W621

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W621	**Handling**	RH	**Stream Name**	324 MTRU RH heterogeneous S5490 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**	S5490

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	5.98	5.28	6.67
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	17.38	16.65	18.10
Other Inorganic Materials	96.14	92.40	99.88
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	2.65	1.85	3.45
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	6.26E-03
Ba-137m	9.64E-01
Cs-137	1.02E+00
Pu-238	1.10E-02
Pu-239	1.14E-03
Pu-240	2.08E-03
Pu-241	2.96E-01
Pu-242	8.57E-06
Sr-90	6.56E-01
Y-90	6.56E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W621

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	12.5	0.0	0.0	0.0	0.0	12.5

As-Generated	**Stored**	12.5	**Projected**	0.0	**Total**	12.5

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	12.5	0.0	0.0	0.0	0.0	12.5

Final Form	**Stored**	12.5	**Projected**	0.0	**Total**	12.5

TWBIR ID: RL-W621

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

TWBIR ID: RL-W622

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W622	**Handling**	CH	**Stream Name**	324 TRU CH Pb/Cd metal X7219 Non-mixed	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	TRU	**Generator Site**	N/A	**Final Waste Form**	Lead/Cadmium Metal	**Waste Matrix Code**	X7219

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	892.80	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	44.57	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	6.37E-05
Pu-238	1.82E-05
Pu-239	6.93E-04
Pu-240	1.55E-04
Pu-241	2.08E-03
Pu-242	9.35E-09

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W622

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

As-Generated	Stored	1.9	Projected	0.0	Total	1.9

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

Final Form	Stored	1.9	Projected	0.0	Total	1.9

TWBIR ID: RL-W622

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 CHEMICAL ENGINEERING BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the CHEMICAL ENGINEERING BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W623

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W623	**Handling**	RH	**Stream Name**	324 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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	434.76	294.29	575.22
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	140.00	132.07	147.93
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.12E-02
Ba-137m	3.04E+01
Cs-137	3.22E+01
Pu-238	6.98E-03
Pu-239	1.17E-03
Pu-240	1.15E-03
Pu-241	5.37E-02
Pu-242	1.91E-06
Sr-90	1.72E+01
Y-90	1.72E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W623

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	9.8	0.0	0.0	0.0	0.0	9.8

As-Generated	Stored	9.8	Projected	0.0	Total	9.8

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	9.8	0.0	0.0	0.0	0.0	9.8

Final Form	Stored	9.8	Projected	0.0	Total	9.8

TWBIR ID: RL-W623

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

TWBIR ID: RL-W625

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W625	**Handling**	CH	**Stream Name**	325 MTRU CH solidified inorganic L1190 Mixed State Reg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	L1190

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	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	4.76	4.76	4.76
Solidified, Inorganic Matrix	28.42	28.42	28.42
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	7.40E-03
Pu-238	2.49E-02
Pu-239	3.19E-02
Pu-240	3.15E-02
Pu-241	1.02E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W625

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form Stored 0.2 | Projected 0.0 | Total 0.2

TWBIR ID: RL-W625

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

TWBIR ID: RL-W626

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W626	**Handling**	CH	**Stream Name**	325 MTRU CH solidified inorganic S3113 Mixed RCRA w/ met,Hg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	Solidified Inorganics	**Waste Matrix Code**	S3113

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	11.62	11.62	11.62
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	10.67	10.67	10.67
Other Inorganic Materials	11.62	11.62	11.62
Cellulosics	3.62	3.62	3.62
Rubber	0.00	0.00	0.00
Plastics	15.90	15.90	15.90
Solidified, Inorganic Matrix	321.69	321.69	321.69
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.67E+00
Pu-238	5.65E-01
Pu-239	1.25E+00
Pu-240	7.55E-01
Pu-241	1.77E+01
Pu-242	3.98E-04
U-235	9.40E-06
U-238	6.45E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W626

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W626

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

TWBIR ID: RL-W627

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W627	**Handling**	CH	**Stream Name**	325 MTRU CH solidified inorganic S3119 Mixed RCRA w/ org,met,ign,cor	**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

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	23.43	23.43	23.43
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	193.33	193.33	193.33
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.48E-03
Ba-137m	4.15E-03
Cs-137	4.51E-03
Pu-238	7.59E-04
Pu-239	5.90E-06
Pu-241	2.11E-01
Sr-90	4.11E-03
Tc-99	9.84E-07
Y-90	4.11E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W627

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W627

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

TWBIR ID: RL-W628

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W628	**Handling**	CH	**Stream Name**	325 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

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	105.60	105.60	105.60
Other Inorganic Materials	14.40	14.40	14.40
Cellulosics	2.40	2.40	2.40
Rubber	4.80	4.80	4.80
Plastics	20.16	20.16	20.16
Solidified, Inorganic Matrix	101.76	101.76	101.76
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.57E-03
Pu-238	4.76E-04
Pu-239	1.80E-02
Pu-240	4.03E-03
Pu-241	5.67E-02
Pu-242	2.43E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W628

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form Stored 0.2 | Projected 0.0 | Total 0.2

TWBIR ID: RL-W628

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

TWBIR ID: RL-W629

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W629	**Handling**	CH	**Stream Name**	325 MTRU CH solidified inorganic S3119 Mixed RCRA w/cor	**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

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	4.76	4.76	4.76
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	36.67	36.67	36.67
Solidified, Inorganic Matrix	63.67	63.67	63.67
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	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	8.68E-05
Pu-238	3.27E-05
Pu-239	1.21E-03
Pu-240	2.71E-04
Pu-241	4.40E-03
Pu-242	1.63E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W629

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W629

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

TWBIR ID: RL-W630

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W630	**Handling**	CH	**Stream Name**	325 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	621.67	621.67	1242.74
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	135.49	9.07	262.03
Other Inorganic Materials	4.54	4.54	9.07
Cellulosics	4.54	4.54	9.07
Rubber	3.02	3.02	6.04
Plastics	19.56	7.15	31.96
Solidified, Inorganic Matrix	1.19	1.19	2.38
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.90E-01
Pu-238	3.06E-01
Pu-239	7.00E+00
Pu-240	1.63E+00
Pu-241	2.39E+01
Pu-242	2.81E-04
U-238	7.02E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W630

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	Stored	0.4	Projected	0.0	Total	0.4

TWBIR ID: RL-W630

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

TWBIR ID: RL-W631

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W631	**Handling**	CH	**Stream Name**	325 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	358.33	230.95	485.71
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	15.48	14.29	16.67
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.66E-03
Ba-137m	4.92E-08
Cs-137	5.35E-08
Pu-238	3.06E-03
Pu-239	1.07E-01
Pu-240	2.41E-02
Pu-241	5.35E-01
Pu-242	1.45E-06
Sr-90	4.91E-08
Tc-99	1.04E-11
Y-90	4.91E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W631

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	Stored	0.4	Projected	0.0	Total	0.4

TWBIR ID: RL-W631

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

TWBIR ID: RL-W632

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W632	**Handling**	CH	**Stream Name**	325 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	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	272.38	272.38	272.38
Cellulosics	12.38	12.38	12.38
Rubber	0.00	0.00	0.00
Plastics	119.05	119.05	119.05
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	6.39E+00
Ba-137m	9.62E-03
Cs-137	1.05E-02
Pu-238	8.31E-01
Pu-239	2.84E+01
Pu-240	9.38E+00
Pu-241	3.56E+02
Pu-242	3.96E-03
Sr-90	9.58E-03
Tc-99	2.08E-06
Y-90	9.58E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W632

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W632

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

TWBIR ID: **RL-W633**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W633	**Handling**	CH	**Stream Name**	325 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

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	39.00	39.00	39.00
Other Inorganic Materials	5.19	5.19	5.19
Cellulosics	104.00	104.00	104.00
Rubber	52.00	52.00	52.00
Plastics	64.57	64.57	64.57
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.94E-02
Pu-238	4.79E-03
Pu-239	4.46E-03
Pu-240	3.96E-03
Pu-241	4.39E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W633

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form Stored 0.2 | Projected 0.0 | Total 0.2

TWBIR ID: RL-W633

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

TWBIR ID: **RL-W634**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W634	**Handling**	CH	**Stream Name**	325 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

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	61.90	61.90	61.90
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	11.43	11.43	11.43
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Pu-239	4.87E-02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W634

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	**Stored**	0.2	**Projected**	0.0	**Total**	0.2

TWBIR ID: RL-W634

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

TWBIR ID: RL-W635

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W635	**Handling**	CH	**Stream Name**	325 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	714.26	49.25	6116.15
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	78.22	9.84	405.77
Other Inorganic Materials	140.68	6.37	1989.62
Cellulosics	8.76	4.43	44.57
Rubber	0.41	0.98	15.31
Plastics	9.35	1.43	127.33
Solidified, Inorganic Matrix	0.17	0.47	4.92
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	148.04		
Packaging Material, Plastic	10.48		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.55E+00
Ba-137m	5.35E-02
Cs-137	5.66E-02
Pu-238	2.21E+00
Pu-239	2.82E-01
Pu-240	4.24E-01
Pu-241	6.04E+01
Pu-242	1.49E-03
Sr-90	1.14E-01
U-235	1.27E-05
Y-90	1.14E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W635

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	4.0	0.0	0.0	0.0	0.0	4.0
Standard Waste Box	11.4	0.0	0.0	0.0	0.0	11.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	4.0	0.0	0.0	0.0	0.0	4.0
Standard Waste Box	11.4	0.0	0.0	0.0	0.0	11.4

As-Generated	**Stored**	15.4	**Projected**	0.0	**Total**	15.4	**Final Form**	**Stored**	15.4	**Projected**	0.0	**Total**	15.4

TWBIR ID: RL-W635

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

TWBIR ID: RL-W636

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W636	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5420 Mixed RCRA w/ org,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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	2295.28	1904.00	2742.56
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	67.35	5.47	136.26
Other Inorganic Materials	56.13	1.06	144.45
Cellulosics	10.14	4.25	17.06
Rubber	1.65	0.26	4.75
Plastics	50.03	13.67	117.25
Solidified, Inorganic Matrix	1.31	0.79	4.38
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.57E-01
Ba-137m	8.39E-02
Cs-137	8.87E-02
Pu-238	6.14E-02
Pu-239	5.40E-02
Pu-240	4.81E-02
Pu-241	5.39E+00
Pu-242	5.38E-05
Sr-90	1.78E-01
Y-90	1.78E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W636

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0

Final Form	Stored	1.0	Projected	0.0	Total	1.0

TWBIR ID: RL-W636

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

TWBIR ID: RL-W637

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W637	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5420 Mixed RCRA w/ org,met,Hg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	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	120.66	120.66	307.16
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	486.67	20.20	788.46
Other Inorganic Materials	23.81	23.81	39.21
Cellulosics	0.79	0.79	1.31
Rubber	0.00	0.00	0.00
Plastics	15.87	8.08	20.91
Solidified, Inorganic Matrix	27.78	9.15	56.57
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		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.04E-03
Ba-137m	2.97E-02
Cs-137	3.14E-02
Pu-238	2.60E-03
Pu-239	1.01E-03
Pu-240	1.00E-03
Pu-241	3.22E-02
Sr-90	1.20E-02
Y-90	1.20E-02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W637

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6

Final Form	**Stored**	0.6	**Projected**	0.0	**Total**	0.6

TWBIR ID: RL-W637

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

TWBIR ID: RL-W638

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W638	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5420 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**	S5420

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	227.11	63.16	1941.43
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	1.76	1.25	2.69
Other Inorganic Materials	449.26	6.73	651.60
Cellulosics	4.79	2.93	16.15
Rubber	0.42	8.07	8.07
Plastics	10.15	6.17	24.94
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	152.80		
Packaging Material, Plastic	3.07		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	8.35E-03
Ba-137m	8.50E-02
Cs-137	8.98E-02
H-3	7.37E-04
Pu-238	4.17E-03
Pu-239	1.56E-03
Pu-240	1.48E-03
Pu-241	1.89E-01
Pu-242	1.09E-06
Sr-90	1.52E-01
Y-90	1.52E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W638

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Standard Waste Box	3.8	0.0	0.0	0.0	0.0	3.8

As-Generated Stored 4.0 Projected 0.0 Total 4.0

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Standard Waste Box	3.8	0.0	0.0	0.0	0.0	3.8

Final Form Stored 4.0 Projected 0.0 Total 4.0

TWBIR ID: RL-W638

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

TWBIR ID: RL-W639

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W639	**Handling**	CH	**Stream Name**	325 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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	423.81	423.81	963.78
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	44.60	0.36	104.54
Other Inorganic Materials	64.62	32.08	115.64
Cellulosics	39.84	12.20	72.19
Rubber	1.59	1.59	5.81
Plastics	66.51	16.59	97.10
Solidified, Inorganic Matrix	7.30	7.30	26.72
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.10E-03
Pu-238	6.77E-04
Pu-239	2.54E-02
Pu-240	5.69E-03
Pu-241	8.40E-02
Pu-242	3.43E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W639

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6

Final Form	Stored	0.6	Projected	0.0	Total	0.6

TWBIR ID: RL-W639

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

TWBIR ID: RL-W640

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W640	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5420 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**	S5420

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	240.00	240.00	240.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	24.00	24.00	24.00
Rubber	12.00	12.00	12.00
Plastics	28.80	28.80	28.80
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.24E-01
Pu-238	6.79E-02
Pu-239	2.57E+00
Pu-240	5.75E-01
Pu-241	8.09E+00
Pu-242	3.46E-05

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W640

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W640

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

TWBIR ID: RL-W641

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W641	**Handling**	CH	**Stream Name**	325 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	36.26	36.26	307.02
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	49.83	9.60	231.92
Other Inorganic Materials	35.00	2.40	187.12
Cellulosics	33.57	3.21	177.84
Rubber	10.45	0.15	70.27
Plastics	83.46	4.80	222.61
Solidified, Inorganic Matrix	2.74	1.92	23.57
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		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.18E-01
Ba-137m	9.28E-02
Cs-137	9.81E-02
H-3	1.53E-03
Pu-238	5.72E-01
Pu-239	4.75E-01
Pu-240	1.96E-01
Pu-241	5.00E+00
Pu-242	3.32E-05
Sr-90	1.70E-01
Y-90	1.70E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W641

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	5.5	0.0	0.0	0.0	0.0	5.5

As-Generated	Stored	5.5	Projected	0.0	Total	5.5

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	5.5	0.0	0.0	0.0	0.0	5.5

Final Form	Stored	5.5	Projected	0.0	Total	5.5

TWBIR ID: RL-W641

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

TWBIR ID: RL-W642

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W642	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5440 Mixed RCRA w/ org,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	1416.29	1314.19	1716.67
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	52.04	1.67	258.00
Other Inorganic Materials	9.10	6.86	26.57
Cellulosics	5.12	1.57	16.67
Rubber	8.93	8.93	71.43
Plastics	47.26	23.81	104.76
Solidified, Inorganic Matrix	6.63	2.38	12.86
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	131.00		
Packaging Material, Plastic	37.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.72E-02
Ba-137m	6.00E-01
Cs-137	6.34E-01
Pu-238	1.93E-04
Pu-239	1.88E-02
Pu-240	9.67E-05
Pu-241	7.03E-03
Pu-242	4.60E-08
Sr-90	1.14E+00
Y-90	1.14E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W642

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7

Final Form	Stored	1.7	Projected	0.0	Total	1.7

TWBIR ID: RL-W642

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

TWBIR ID: RL-W643

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W643	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5440 Mixed RCRA w/ org,met,Hg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	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	1411.88	1309.57	1723.81
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	43.12	4.76	340.19
Other Inorganic Materials	17.33	6.81	28.81
Cellulosics	9.54	2.43	42.86
Rubber	0.83	0.83	4.29
Plastics	53.26	27.19	104.76
Solidified, Inorganic Matrix	5.59	2.38	17.43
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.18E-01
Ba-137m	9.28E-02
Cs-137	9.81E-02
H-3	1.53E-03
Pu-238	5.72E-01
Pu-239	4.75E-01
Pu-240	1.96E-01
Pu-241	5.00E+00
Pu-242	3.32E-05
Sr-90	1.70E-01
Y-90	1.70E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W643

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7

Final Form	Stored	1.7	Projected	0.0	Total	1.7

TWBIR ID: RL-W643

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

TWBIR ID: RL-W644

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W644	**Handling**	CH	**Stream Name**	325 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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	1714.29	1714.29	1714.29
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	100.92	50.90	281.86
Other Inorganic Materials	3.21	2.38	5.24
Cellulosics	16.19	14.29	19.52
Rubber	0.00	0.00	0.00
Plastics	122.85	109.05	153.29
Solidified, Inorganic Matrix	1.19	0.95	3.81
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Ba-137m	6.01E-01
Cs-137	6.35E-01
Pu-239	6.54E-02
Sr-90	2.40E+00
Y-90	2.40E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W644

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8

Final Form	**Stored**	0.8	**Projected**	0.0	**Total**	0.8

TWBIR ID: RL-W644

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

TWBIR ID: RL-W645

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W645	**Handling**	CH	**Stream Name**	325 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	212.96	0.27	1114.45
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	40.50	2.75	127.72
Other Inorganic Materials	36.62	5.49	97.64
Cellulosics	31.90	5.32	60.12
Rubber	20.86	5.11	76.68
Plastics	78.47	18.40	183.55
Solidified, Inorganic Matrix	5.80	5.80	23.00
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	5.62E-03
Pu-238	2.94E-03
Pu-239	7.33E-02
Pu-240	1.74E-02
Pu-241	3.12E-01
Pu-242	9.72E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W645

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5

As-Generated	Stored	1.5	Projected	0.0	Total	1.5

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5

Final Form	Stored	1.5	Projected	0.0	Total	1.5

TWBIR ID: RL-W645

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

TWBIR ID: RL-W646

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W646	**Handling**	CH	**Stream Name**	325 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	85.76	0.10	171.43
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	49.51	0.22	98.81
Other Inorganic Materials	14.66	9.55	19.76
Cellulosics	29.87	22.41	37.33
Rubber	20.69	20.69	41.38
Plastics	9.52	9.52	9.52
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.37E-02
Ba-137m	8.44E-02
Cs-137	8.92E-02
Pu-238	9.18E-03
Pu-239	6.14E-02
Pu-240	3.01E-02
Pu-241	5.32E-01
Sr-90	1.35E-01
Y-90	1.35E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W646

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	Stored	0.4	Projected	0.0	Total	0.4

TWBIR ID: RL-W646

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

TWBIR ID: RL-W647

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W647	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5440 Mixed State Reg	**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	81.83	81.83	81.83
Other Inorganic Materials	24.23	24.23	24.23
Cellulosics	9.37	9.37	9.37
Rubber	14.17	14.17	14.17
Plastics	120.88	120.88	120.88
Solidified, Inorganic Matrix	0.02	0.02	0.02
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	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.71E-01
Pu-238	2.75E+00
Pu-239	5.23E-01
Pu-240	8.33E-02
Pu-241	3.56E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W647

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W647

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

TWBIR ID: RL-W648

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W648	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5900 Mixed RCRA w/ org,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**	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	65.41	65.41	65.41
Other Inorganic Materials	87.93	87.93	87.93
Cellulosics	1.82	1.82	1.82
Rubber	0.00	0.00	0.00
Plastics	73.42	73.42	73.42
Solidified, Inorganic Matrix	0.42	0.42	0.42
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.28E-03
Ba-137m	1.02E-01
Cs-137	1.07E-01
Pu-238	4.70E-03
Pu-239	2.86E-04
Pu-240	5.66E-04
Pu-241	1.14E-01
Sr-90	2.15E-01
Y-90	2.15E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W648

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W648

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

TWBIR ID: RL-W649

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W649	**Handling**	CH	**Stream Name**	325 MTRU CH heterogeneous S5900 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**	S5900

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	175.26	175.26	175.26
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.78	0.78	0.78
Other Inorganic Materials	360.00	360.00	360.00
Cellulosics	2.10	2.10	2.10
Rubber	0.00	0.00	0.00
Plastics	4.74	4.74	4.74
Solidified, Inorganic Matrix	0.01	0.01	0.01
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	5.19E-04
Ba-137m	4.13E-02
Cs-137	4.37E-02
Pu-238	1.91E-03
Pu-239	1.16E-04
Pu-240	2.30E-04
Pu-241	4.62E-02
Sr-90	8.74E-02
Y-90	8.74E-02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W649

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

As-Generated Stored 1.9 Projected 0.0 Total 1.9

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	1.9	0.0	0.0	0.0	0.0	1.9

Final Form Stored 1.9 Projected 0.0 Total 1.9

TWBIR ID: RL-W649

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

TWBIR ID: RL-W653

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W653	**Handling**	CH	**Stream Name**	325 MTRU CH 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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	1030.07	494.54	1570.23
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	1.90	1.90	3.79
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	4.76	3.83	5.69
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.78E-04
Pu-238	6.18E-05
Pu-239	2.30E-03
Pu-240	5.15E-04
Pu-241	7.98E-03
Pu-242	3.10E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W653

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	**Stored**	0.4	**Projected**	0.0	**Total**	0.4

TWBIR ID: RL-W653

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

TWBIR ID: RL-W654

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W654	**Handling**	CH	**Stream Name**	325 MTRU CH Pb/Cd metal X7219 Mixed RCRA w/ met,Hg	**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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	127.62	127.62	127.62
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.00	0.00	0.00
Other Inorganic Materials	30.38	30.38	30.38
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	1.19	1.19	1.19
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.09E-03
Pu-238	6.75E-04
Pu-239	2.53E-02
Pu-240	5.67E-03
Pu-241	8.38E-02
Pu-242	3.42E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W654

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W654

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

TWBIR ID: RL-W655

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W655	**Handling**	CH	**Stream Name**	325 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	29.34	0.00	0.00
Other Inorganic Materials	20.90	0.00	0.00
Cellulosics	3.64	0.00	0.00
Rubber	6.36	0.00	0.00
Plastics	20.02	0.00	0.00
Solidified, Inorganic Matrix	213.14	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	6.56E+01
Pu-238	2.31E+01
Pu-239	1.45E-01
Pu-240	3.44E-01
Pu-241	3.23E+03
Pu-242	1.85E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W655

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5

As-Generated	**Stored**	1.5	**Projected**	0.0	**Total**	1.5

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5

Final Form	**Stored**	1.5	**Projected**	0.0	**Total**	1.5

TWBIR ID: RL-W655

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W656

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W656	**Handling**	CH	**Stream Name**	325 TRU CH solidified inorganic S3150 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**	S3150

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	36.66	0.00	0.00
Other Inorganic Materials	0.58	0.00	0.00
Cellulosics	0.96	0.00	0.00
Rubber	1.73	0.00	0.00
Plastics	30.51	0.00	0.00
Solidified, Inorganic Matrix	792.57	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	0.16	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		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	9.80E+01
Pu-238	4.84E+00
Pu-239	1.59E-01
Pu-240	1.65E-01
Pu-241	7.19E+03
Pu-242	5.08E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W656

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	3.1	0.0	0.0	0.0	0.0	3.1

As-Generated	**Stored**	3.1	**Projected**	0.0	**Total**	3.1

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	3.1	0.0	0.0	0.0	0.0	3.1

Final Form	**Stored**	3.1	**Projected**	0.0	**Total**	3.1

TWBIR ID: RL-W656

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W657

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W657	**Handling**	CH	**Stream Name**	325 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	0.00	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	251.37	0.00	0.00
Other Inorganic Materials	2.44	0.00	0.00
Cellulosics	5.58	0.00	0.00
Rubber	2.10	0.00	0.00
Plastics	18.45	0.00	0.00
Solidified, Inorganic Matrix	0.27	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	145.63		
Packaging Material, Plastic	14.23		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.41E+01
Pu-238	1.50E+00
Pu-239	1.64E-02
Pu-240	3.30E-02
Pu-241	6.67E+02
Pu-242	3.70E-07

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W657

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	5.4	0.0	0.0	0.0	0.0	5.4
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	5.4	0.0	0.0	0.0	0.0	5.4
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4

As-Generated	**Stored**	14.9	**Projected**	0.0	**Total**	14.9
Final Form	**Stored**	14.9	**Projected**	0.0	**Total**	14.9

TWBIR ID: RL-W657

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W658

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W658	**Handling**	RH	**Stream Name**	325 MTRU RH inorganic non-metal S5121 Mixed RCRA w/ org	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	Inorganic Non-Metal	**Waste Matrix Code**	S5121

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	67.42	67.42	67.42
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.58	0.58	0.58
Other Inorganic Materials	759.45	759.45	759.45
Cellulosics	1.51	1.51	1.51
Rubber	0.00	0.00	0.00
Plastics	3.52	3.52	3.52
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.31E-02
Ba-137m	1.83E+00
Cs-137	1.93E+00
Pu-238	8.48E-02
Pu-239	5.17E-03
Pu-240	1.02E-02
Pu-241	2.05E+00
Sr-90	3.87E+00
Y-90	3.87E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W658

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	0.9	28.5	14.2	0.0	0.0	43.6

As-Generated	Stored	0.9	Projected	42.7	Total	43.6

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	0.9	0.0	0.0	0.0	0.0	43.6

Final Form	Stored	0.9	Projected	42.7	Total	43.6

TWBIR ID: RL-W658

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

TWBIR ID: RL-W659

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W659	**Handling**	CH	**Stream Name**	325 TRU CH inorganic non-metal S5190 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**	S5190

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	33.65	0.00	0.00
Other Inorganic Materials	24.75	0.00	0.00
Cellulosics	2.40	0.00	0.00
Rubber	6.01	0.00	0.00
Plastics	1.93	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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	6.72E+01
Pu-238	1.21E+01
Pu-239	1.13E-01
Pu-240	1.41E-01
Pu-241	2.69E+03
Pu-242	5.03E-09

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W659

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	**Stored**	0.4	**Projected**	0.0	**Total**	0.4

TWBIR ID: RL-W659

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: **RL-W660**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W660	**Handling**	CH	**Stream Name**	325 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	0.00	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	31.67	0.00	0.00
Other Inorganic Materials	5.14	0.00	0.00
Cellulosics	2.40	0.00	0.00
Rubber	16.76	0.00	0.00
Plastics	157.26	0.00	0.00
Solidified, Inorganic Matrix	7.88	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	6.97E+01
Pu-238	2.91E+01
Pu-239	4.17E-01
Pu-240	7.49E-01
Pu-241	3.07E+03
Pu-242	1.38E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W660

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	2.1	0.0	0.0	0.0	0.0	2.1

Final Form	Stored	2.1	Projected	0.0	Total	2.1

TWBIR ID: RL-W660

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W661

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W661	**Handling**	CH	**Stream Name**	325 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	0.94	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	109.62	0.00	0.00
Rubber	4.79	0.00	0.00
Plastics	49.51	0.00	0.00
Solidified, Inorganic Matrix	94.22	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	5.71E+00
Pu-238	3.64E-01
Pu-239	2.01E-03
Pu-240	1.84E-02
Pu-241	3.73E+02
Pu-242	1.64E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W661

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	**Stored**	0.2	**Projected**	0.0	**Total**	0.2

TWBIR ID: RL-W661

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W662

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W662	**Handling**	CH	**Stream Name**	325 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

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	37.01	0.00	0.00
Other Inorganic Materials	4.79	0.00	0.00
Cellulosics	52.89	0.00	0.00
Rubber	9.63	0.00	0.00
Plastics	38.47	0.00	0.00
Solidified, Inorganic Matrix	19.73	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.21E-01
Pu-238	2.17E-02
Pu-239	5.14E-04
Pu-240	9.27E-04
Pu-241	7.66E+00
Pu-242	4.49E-09

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W662

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	**Stored**	0.2	**Projected**	0.0	**Total**	0.2

TWBIR ID: RL-W662

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W663

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W663	**Handling**	RH	**Stream Name**	325 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	353.21	9.28	5877.56
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	245.11	14.62	912.06
Other Inorganic Materials	121.24	2.81	1060.23
Cellulosics	7.77	0.37	134.61
Rubber	8.54	0.28	236.74
Plastics	31.04	0.68	109.66
Solidified, Inorganic Matrix	6.64	0.06	86.57
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	434.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	464.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.26E+01
Ba-137m	4.76E+00
Cs-137	5.04E+00
Pu-238	6.78E+00
Pu-239	3.80E-01
Pu-240	4.90E-01
Pu-241	2.13E+03
Pu-242	2.44E-04
Sr-90	3.07E+00
U-235	6.61E-06
Y-90	3.07E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W663

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	16.0	0.0	0.0	0.0	0.0	16.0

As-Generated	Stored	16.0	Projected	0.0	Total	16.0

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	16.0	0.0	0.0	0.0	0.0	16.0

Final Form	Stored	16.0	Projected	0.0	Total	16.0

TWBIR ID: RL-W663

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

TWBIR ID: RL-W664

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W664	**Handling**	RH	**Stream Name**	325 MTRU RH heterogeneous S5420 Mixed RCRA w/ org,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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	143.45	143.45	143.45
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	21.44	21.44	21.44
Other Inorganic Materials	246.67	246.67	246.67
Cellulosics	4.12	4.12	4.12
Rubber	0.10	0.10	0.10
Plastics	16.67	16.67	16.67
Solidified, Inorganic Matrix	0.23	0.23	0.23
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	5.29E-03
Ba-137m	4.20E-01
Cs-137	4.44E-01
Pu-238	1.95E-02
Pu-239	1.18E-03
Pu-240	2.34E-03
Pu-241	4.70E-01
Sr-90	6.30E-01
Y-90	6.30E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W664

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	2.7	0.0	0.0	0.0	0.0	2.7

As-Generated	Stored	2.7	Projected	0.0	Total	2.7

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	2.7	0.0	0.0	0.0	0.0	2.7

Final Form	Stored	2.7	Projected	0.0	Total	2.7

TWBIR ID: RL-W664

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

TWBIR ID: RL-W665

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W665	**Handling**	CH	**Stream Name**	325 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	5.94	0.00	0.00
Aluminum-Base Metal/Alloys	0.23	0.00	0.00
Other Metal/Alloys	81.79	0.00	0.00
Other Inorganic Materials	39.32	0.00	0.00
Cellulosics	30.66	0.00	0.00
Rubber	15.15	0.00	0.00
Plastics	60.91	0.00	0.00
Solidified, Inorganic Matrix	59.31	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	1.13	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.75E+01
Pu-238	4.23E+01
Pu-239	1.54E-01
Pu-240	2.07E-01
Pu-241	3.70E+03
Pu-242	1.37E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W665

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	8.5	0.0	0.0	0.0	0.0	8.5

As-Generated	Stored	8.5	Projected	0.0	Total	8.5

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	8.5	0.0	0.0	0.0	0.0	8.5

Final Form	Stored	8.5	Projected	0.0	Total	8.5

TWBIR ID: RL-W665

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: **RL-W666**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W666	**Handling**	CH	**Stream Name**	325 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	78.10	0.00	0.00
Other Inorganic Materials	13.85	0.00	0.00
Cellulosics	15.81	0.00	0.00
Rubber	16.19	0.00	0.00
Plastics	26.25	0.00	0.00
Solidified, Inorganic Matrix	111.47	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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	7.58E+00
Pu-238	6.07E-01
Pu-239	3.77E-02
Pu-240	4.00E-02
Pu-241	3.14E+02
Pu-242	2.75E-08

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W666

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5

As-Generated	**Stored**	1.5	**Projected**	0.0	**Total**	1.5

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55-Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5

Final Form	**Stored**	1.5	**Projected**	0.0	**Total**	1.5

TWBIR ID: RL-W666

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 RADIOCHEMISTRY BUILDING.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the RADIOCHEMISTRY BUILDING.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W668

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W668	**Handling**	CH	**Stream Name**	325A MTRU CH heterogeneous S5420 Mixed RCRA w/ org,met,Hg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	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	0.00	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	14.29	14.29	14.29
Other Inorganic Materials	95.24	95.24	95.24
Cellulosics	66.67	66.67	66.67
Rubber	0.00	0.00	0.00
Plastics	9.52	9.52	9.52
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	5.88E-02
Ba-137m	1.11E-01
Cs-137	1.17E-01
Pu-238	6.51E-04
Pu-239	3.39E-03
Pu-240	9.70E-04
Pu-241	2.53E-02
Sr-90	1.11E+00
Y-90	1.11E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W668

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	11.3	8.6	0.0	0.0	20.4

As-Generated	**Stored**	0.2	**Projected**	20.2	**Total**	20.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	20.4

Final Form	**Stored**	0.2	**Projected**	20.2	**Total**	20.4

TWBIR ID: RL-W668

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

TWBIR ID: RL-W669

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W669	**Handling**	CH	**Stream Name**	325A MTRU CH heterogeneous S5440 Mixed RCRA w/ org,met,Hg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	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	17.06	2.38	95.24
Other Inorganic Materials	45.24	19.05	119.05
Cellulosics	44.05	19.05	97.62
Rubber	2.38	2.38	9.52
Plastics	19.05	9.52	28.57
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.18E-01
Ba-137m	9.28E-02
Cs-137	9.81E-02
H-3	1.53E-03
Pu-238	5.72E-01
Pu-239	4.75E-01
Pu-240	1.96E-01
Pu-241	5.00E+00
Pu-242	3.32E-05
Sr-90	1.70E-01
Y-90	1.70E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W669

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	1.3	0.0	0.0	0.0	0.0	1.3

Final Form	Stored	1.3	Projected	0.0	Total	1.3

TWBIR ID: RL-W669

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

TWBIR ID: RL-W670

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W670	**Handling**	CH	**Stream Name**	325A MTRU CH heterogeneous S5900 Mixed RCRA w/ org,met,Hg	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	MTRU	**Generator Site**	N/A	**Final Waste Form**	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	2.38	2.38	2.38
Other Metal/Alloys	0.00	0.00	0.00
Other Inorganic Materials	204.76	204.76	204.76
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	97.62	97.62	97.62
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	2.21E-01
Ba-137m	4.13E-01
Cs-137	4.37E-01
Pu-238	2.44E-03
Pu-239	1.28E-02
Pu-240	3.65E-03
Pu-241	9.51E-02
Sr-90	3.97E+00
Y-90	3.97E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W670

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	**Stored**	0.2	**Projected**	0.0	**Total**	0.2

TWBIR ID: RL-W670

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

TWBIR ID: **RL-W671**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W671	**Handling**	CH	**Stream Name**	325A 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	149.87	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	53.62	0.00	0.00
Other Inorganic Materials	16.80	0.00	0.00
Cellulosics	47.94	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	8.22	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	0.00	0.00	0.00
Packaging Material, Steel	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	5.72E-01
Pu-238	2.78E-02
Pu-239	5.20E-04
Pu-240	5.44E-04
Pu-241	6.95E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W671

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4

As-Generated	Stored	9.4	Projected	0.0	Total	9.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4

Final Form	Stored	9.4	Projected	0.0	Total	9.4

TWBIR ID: RL-W671

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 CESIUM RECOVERY FAC.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the CESIUM RECOVERY FAC.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W672

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W672	**Handling**	CH	**Stream Name**	325A 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

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	27.89	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	152.15	0.00	0.00
Rubber	6.88	0.00	0.00
Plastics	80.32	0.00	0.00
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.88E+00
Pu-238	1.89E-01
Pu-239	3.54E-03
Pu-240	3.69E-03
Pu-241	4.72E+01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W672

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4

As-Generated	Stored	9.4	Projected	0.0	Total	9.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	9.4	0.0	0.0	0.0	0.0	9.4

Final Form	Stored	9.4	Projected	0.0	Total	9.4

TWBIR ID: RL-W672

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 CESIUM RECOVERY FAC.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the CESIUM RECOVERY FAC.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: **RL-W673**

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W673	**Handling**	CH	**Stream Name**	325A 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	19.57	0.00	0.00
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	168.19	0.00	0.00
Other Inorganic Materials	43.34	0.00	0.00
Cellulosics	48.83	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	24.87	0.00	0.00
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	7.21E-01
Ba-137m	7.07E-01
Cs-137	3.74E-01
Pu-238	3.51E-02
Pu-239	6.59E-04
Pu-240	6.86E-04
Pu-241	8.76E+00

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W673

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	49.1	0.0	0.0	0.0	0.0	49.1

As-Generated	Stored	49.1	Projected	0.0	Total	49.1

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	49.1	0.0	0.0	0.0	0.0	49.1

Final Form	Stored	49.1	Projected	0.0	Total	49.1

TWBIR ID: RL-W673

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 CESIUM RECOVERY FAC.
Waste Stream Source Description	The waste is generated from R&D/R&D Laboratory Waste activities at the CESIUM RECOVERY FAC.
Current Container Comments	N/A
EPA Comments	N/A
Management Comments	N/A
Acceptance Comments	N/A
Final Form Comments	N/A

TWBIR ID: RL-W674

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W674	**Handling**	CH	**Stream Name**	327 TRU CH Pb/Cd metal S5112 Non-mixed	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	TRU	**Generator Site**	N/A	**Final Waste Form**	Lead/Cadmium Metal	**Waste Matrix Code**	S5112

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	10674.50	10009.72	67158.37
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	147.87		
Packaging Material, Plastic	10.74		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.95E-03
Pu-238	2.31E-03
Pu-239	3.35E-01
Pu-240	2.94E-03
Pu-241	9.01E-02
Pu-242	1.08E-06
U-235	5.34E-09
U-238	2.67E-06

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W674

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	4.4	0.4	0.0	0.0	0.0	4.8
Standard Waste Box	0.0	11.4	1.9	0.0	0.0	13.3

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	4.4	0.0	0.0	0.0	0.0	4.8
Standard Waste Box	0.0	0.0	0.0	0.0	0.0	13.3

As-Generated	**Stored**	4.4	**Projected**	13.7	**Total**	18.1	**Final Form**	**Stored**	4.4	**Projected**	13.7	**Total**	18.1

TWBIR ID: RL-W674

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 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

TWBIR ID: RL-W675

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W675	**Handling**	CH	**Stream Name**	327 MTRU CH Pb/Cd metal S5112 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**	S5112

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	9985.71	9985.71	9985.71
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	131.00		
Packaging Material, Plastic	37.00		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.80E+00
Ba-137m	9.12E+02
Cs-137	9.64E+02
Pu-238	2.02E+00
Pu-239	6.23E-01
Pu-240	5.42E-01
Pu-241	3.48E+01
Pu-242	8.97E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W675

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 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	0.4	Projected	0.0	Total	0.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W675

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 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

TWBIR ID: RL-W676

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W676	**Handling**	CH	**Stream Name**	327 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

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	2718.68	2192.71	34058.05
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	3.78E-03
Ba-137m	1.82E-02
Cs-137	1.92E-02
Pu-238	5.79E-04
Pu-239	3.33E-02
Pu-240	4.88E-04
Pu-241	4.92E-02
Pu-242	5.50E-07
Sr-90	7.34E-03
U-235	1.01E-09
U-238	5.05E-07
Y-90	7.34E-03

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W676

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	4.4	0.0	0.0	0.0	0.0	4.4

As-Generated	Stored	4.4	Projected	0.0	Total	4.4

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	4.4	0.0	0.0	0.0	0.0	4.4

Final Form	Stored	4.4	Projected	0.0	Total	4.4

TWBIR ID: RL-W676

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 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

TWBIR ID: RL-W677

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W677	**Handling**	CH	**Stream Name**	327 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	7342.38	600.69	65548.11
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	56.57	9.42	987.91
Other Inorganic Materials	4480.78	7.78	33315.22
Cellulosics	12.95	0.47	182.02
Rubber	14.03	0.47	259.03
Plastics	30.08	0.47	526.47
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	0.89	0.89	23.34
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.21E+01
Ba-137m	1.38E+00
Cs-137	1.46E+00
Pu-238	2.00E+00
Pu-239	1.82E+00
Pu-240	1.59E+00
Pu-241	1.66E+02
Pu-242	1.77E-03
Sr-90	5.58E-01
U-235	2.85E-05
U-238	1.09E-03
Y-90	5.58E-01

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W677

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	3.1	0.0	0.0	0.0	0.0	3.1

As-Generated	**Stored**	3.1	**Projected**	0.0	**Total**	3.1

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	3.1	0.0	0.0	0.0	0.0	3.1

Final Form	**Stored**	3.1	**Projected**	0.0	**Total**	3.1

TWBIR ID: RL-W677

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 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

TWBIR ID: RL-W678

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W678	**Handling**	CH	**Stream Name**	327 MTRU CH heterogeneous S5420 Mixed RCRA w/ org,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

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	891.67	891.67	891.67
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	8.33	8.33	8.33
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	5.71	5.71	5.71
Rubber	0.00	0.00	0.00
Plastics	90.71	90.71	90.71
Solidified, Inorganic Matrix	1.19	1.19	1.19
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
Residues:	No
Asbestos:	N/A
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	8.57E-02
Ba-137m	1.27E+00
Cs-137	1.35E+00
Pu-238	1.26E-01
Pu-239	1.23E-01
Pu-240	1.09E-01
Pu-241	9.77E+00
Pu-242	1.22E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W678

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4

Final Form	**Stored**	0.4	**Projected**	0.0	**Total**	0.4

TWBIR ID: RL-W678

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 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

TWBIR ID: RL-W679

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W679	**Handling**	CH	**Stream Name**	327 MTRU CH heterogeneous S5420 Mixed State Reg	**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

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	269.16	269.16	269.16
Other Inorganic Materials	19.97	19.97	19.97
Cellulosics	18.39	18.39	18.39
Rubber	0.00	0.00	0.00
Plastics	11.99	11.99	11.99
Solidified, Inorganic Matrix	0.53	0.53	0.53
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	154.00		
Packaging Material, Plastic	1.20		
Packaging Material, Lead	0.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.97E-01
Ba-137m	3.08E-04
Cs-137	3.25E-04
Pu-238	3.11E-02
Pu-239	2.92E-02
Pu-240	2.60E-02
Pu-241	2.76E+00
Pu-242	2.92E-05
Sr-90	1.24E-04
Y-90	1.24E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W679

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
Standard Waste Box	3.8	0.0	0.0	0.0	0.0	3.8

Final Form Stored 3.8 Projected 0.0 Total 3.8

TWBIR ID: RL-W679

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 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

TWBIR ID: RL-W680

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W680	**Handling**	CH	**Stream Name**	327 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	312.38	312.38	312.38
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	125.71	125.71	125.71
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	210.00	210.00	210.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	10.76	10.76	10.76
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	4.51E-04
Ba-137m	2.06E-02
Cs-137	2.18E-02
Pu-238	7.93E-04
Pu-239	8.26E-05
Pu-240	1.50E-04
Pu-241	2.15E-02
Pu-242	6.19E-07
Sr-90	1.40E-02
Y-90	1.40E-02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W680

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W680

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 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

TWBIR ID: RL-W681

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W681	**Handling**	CH	**Stream Name**	327 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

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	23.81	23.81	23.81
Rubber	0.00	0.00	0.00
Plastics	33.33	33.33	33.33
Solidified, Inorganic Matrix	0.48	0.48	0.48
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

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.12E-04
Ba-137m	1.37E-03
Cs-137	1.45E-03
Pu-238	3.21E-04
Pu-239	2.23E-03
Pu-240	1.11E-03
Pu-241	1.78E-02
Pu-242	1.10E-07
Sr-90	6.95E-04
Y-90	6.95E-04

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W681

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
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 Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2

Final Form	Stored	0.2	Projected	0.0	Total	0.2

TWBIR ID: RL-W681

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 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

TWBIR ID: RL-W682

Annex J

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID	RL-W682	**Handling**	RH	**Stream Name**	327 TRU RH Pb/Cd metal S5112 Non-mixed	**Inventory Date**	9/30/2002
Local ID	N/A	**Waste Type**	TRU	**Generator Site**	N/A	**Final Waste Form**	Lead/Cadmium Metal	**Waste Matrix Code**	S5112

EPA Codes

As-Generated
N/A

Waste Material Parameters (kg/m3)

Material Parameter	Average	Lower	Upper
Iron-Base Metal/Alloys	11902.28	11857.13	11918.99
Aluminum-Base Metal/Alloys	0.00	0.00	0.00
Other Metal/Alloys	0.00	0.00	0.00
Other Inorganic Materials	0.00	0.00	0.00
Cellulosics	0.00	0.00	0.00
Rubber	0.00	0.00	0.00
Plastics	0.00	0.00	0.00
Solidified, Inorganic Matrix	0.00	0.00	0.00
Cement (Solidified)	0.00	0.00	0.00
Vitrified	0.00	0.00	0.00
Solidified, Organic Matrix	0.00	0.00	0.00
Soils	0.00	0.00	0.00
Packaging Material, Steel	434.00		
Packaging Material, Plastic	0.00		
Packaging Material, Lead	464.00		
Packaging Material, Steel Plug	0.00		

Final Waste Form Descriptors

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

TRUCON Codes

N/A

Final Form Radionuclides

Isotope	Typical Concentration (Ci/m3)
Am-241	1.91E+00
Ba-137m	2.07E+03
Cs-137	2.19E+03
Pu-238	5.38E-01
Pu-239	6.00E-01
Pu-240	5.68E-01
Pu-241	1.04E+01
Pu-242	3.83E-04
Sr-90	8.36E+02
U-235	1.09E-06
U-238	5.45E-04
Y-90	8.36E+02

Waste Volume Detail (Cubic meters) for TWBIR ID : RL-W682

As-Generated Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	0.9	7.1	0.0	0.0	0.0	8.0

As-Generated	**Stored**	0.9	**Projected**	7.1	**Total**	8.0

Final Form Volumes

ContainerType	Stored End of CY 2001	Projected 2002-2006	Projected 2007-2016	Projected 2017-2026	Projected 2027-2036	Total
RH Canister	0.9	0.0	0.0	0.0	0.0	8.0

Final Form	**Stored**	0.9	**Projected**	7.1	**Total**	8.0

TWBIR ID: RL-W682

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 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