

APPENDIX P
WASTE STREAM PROFILES (WIPP)



APPENDIX P BACKGROUND AND HISTORY

Since a substantial portion of TRU waste has been generated as a result of defense-related activities of the United States, this section summarizes the mission and organizational structure of the nation's Nuclear Weapons Complex as well as the major activities of each DOE site that stores or generates TRU waste.

Nuclear Weapons Complex

The mission of the Nuclear Weapons Complex (the Complex) was to provide the Department of Defense (DOD) with safe, secure, reliable, and operationally effective nuclear weapons and components utilizing state-of-the-art nuclear technology to ensure that the Nation's nuclear deterrent remained effective and viable into the foreseeable future. To accomplish this mission the Department of Energy (DOE) was required to 1) maintain the nuclear weapons stockpile, certify the reliability and safety of nuclear weapons, and modernize the stockpile based on requirements provided by DOD; and 2) continue to perform the research, development, and testing necessary to maintain technical superiority over the Nation's adversaries and to prevent technological surprises.

The Complex was organized into four major mission-oriented, programmatic elements:

1. Research, Development, and Testing (RD&T)
2. Nuclear Materials Production (NMP)
3. Nuclear Weapons Production (NWP)
4. Defense Waste Management Program (DWMP)

Each of these elements and the DOE sites that support the related activities are described below.

Research, Development, and Testing

The RD&T program pursued technological advances that provided the U.S. with options for technical opportunity, initiated research to open new opportunities, and neutralized or minimized technological or other advantages of adversaries. The RD&T complex certified the reliability and safety of the current stockpile, designed and tested nuclear weapons, conducted exploratory research to avoid technological surprise and provided future weapon design options, and supported national arms control objectives.

The DOE's RD&T Program was concentrated in three nuclear weapons research and development laboratories, Los Alamos National Laboratory (LANL) (formerly known as the Los Alamos Scientific Laboratory), Lawrence Livermore National Laboratory (LLNL), and the Sandia National Laboratories (SNL). LANL and LLNL were involved with applied research and the design, development, and testing of the physics packages for nuclear weapons. SNL's major mission was nuclear weapons systems ordnance engineering, nonnuclear component design and development, field and laboratory testing, and manufacturing engineering. Underground nuclear testing was done at only one location, the Nevada Test Site. Nonnuclear testing was done at the

Tonopah Test Range in Nevada. The RD&T was the only source of new technology application for the development of weapons required to meet the evolving DOD requirements as they responded to evolving threats.

Nuclear Materials Production

The NMP element of the Complex supplied nuclear materials (i.e., tritium, weapons-grade plutonium, and highly enriched uranium) for nuclear weapons to support the Nation's stockpile. In addition to the requirements for new weapons, tritium was also produced to replace tritium that had undergone radioactive decay in the stockpile so that the effectiveness of the weapons were supplied by a combination of recycling and recovering material that had been in the stockpile, and production of new materials in nuclear reactors and uranium enrichment facilities.

Fernald Environmental Management Company (FERMCO) is located at Fernald, Ohio. This facility produced uranium metal cores used in nuclear reactors at Hanford and the Savannah River Site. No TRU waste has been generated at FERMCO.

Hanford operations included a fuel fabrication plant, one reactor designated the N-reactor, chemical separations, and a plutonium-finishing plant. In the past, tritium, plutonium shapes, and polonium-210 and other isotopes were produced for use in the weapons complex.

At the Idaho National Engineering Laboratory (INEL) the principal materials production facility was the Idaho Chemical Processing Plant which recovered enriched uranium from spent naval and research reactor fuels.

Savannah River Site (SRS) (formerly known as the Savannah River Plant [SRP]) produced weapons-grade plutonium and tritium. Other activities included production of special isotopes and fabrication of naval reactor fuel material. The major production facilities at SRS included fuel and target fabrication facilities, three nuclear production reactors, two chemical separation plants, and a research and development laboratory that provided process support. SRP was also assigned the loading of tritium into "reservoirs" that were actual components of thermonuclear weapons.

Nuclear Weapons Production

The NWP element managed a program to maintain and evaluate the Nation's nuclear weapons stockpile for continued reliability and existence in a modern state of operational readiness. The NWP also manufactured, modified, and retired nuclear weapons that were required to meet rigid quality and safety standards and transported nuclear weapons and major components among DOE and DOD locations.

Kansas City Plant (KCP) manufactured, surveilled, and evaluated components for nuclear weapons. The major products at the plant were electromechanical, electrical, plastic, and metallurgical components and arming, fuzing, and firing systems. No TRU waste was generated at the Kansas City Plant.



Mound Applied Technologies manufactured, surveilled, and evaluated components for nuclear weapons. These components included detonators, timers, transducers, firing sets, pellets, and unique production testers. Activities also included recovery and purification of tritium wastes. Earlier activities included manufacturing of polonium-210 and plutonium-238 radioisotopic heat sources.

Pantex Plant was primarily an assembly facility that assembled high explosives, nuclear components, and nonnuclear components into nuclear weapons. Other activities included weapon repair and modification; weapon disassembly and retirement; and stockpile evaluation and testing.

Pinellas Plant produced miniaturized neutron generators. The plant also manufactured radioisotopically powered, thermoelectric generators, thermal batteries, specialty capacitors, crystal resonators, neutron detectors, special switches, and product testers. No TRU waste has been generated at the Pinellas Plant.

The key facilities at the Rocky Flats Environmental Technology Site were those associated with plutonium component fabrication and plutonium recovery. The plant also fabricated components from uranium, beryllium, as well as nonnuclear metal parts.

The major operations at the Y-12 Plant were production of weapon components, uranium, uranium alloys, and lithium compounds that were shipped to other sites. Materials were also recovered from the fabrication process and retired weapons.

Defense Waste Management Program

The DWMP includes waste management and environmental restoration. The waste program provides for treatment, storage, and disposal of radioactive and mixed waste generated during the production of weapons, components, and nuclear materials, and during the processing of nuclear materials. The Environmental Restoration Program manages activities to cleanup environmental contamination and activities to decontaminate and decommission (D&D) inactive facilities at the Complex sites.

According to the Atomic Energy Act of 1954, as amended, and the Department of Energy Organization Act, responsibility for radioactive waste and byproducts generated by DOE's nuclear activities belongs to the Secretary of the Department of Energy.

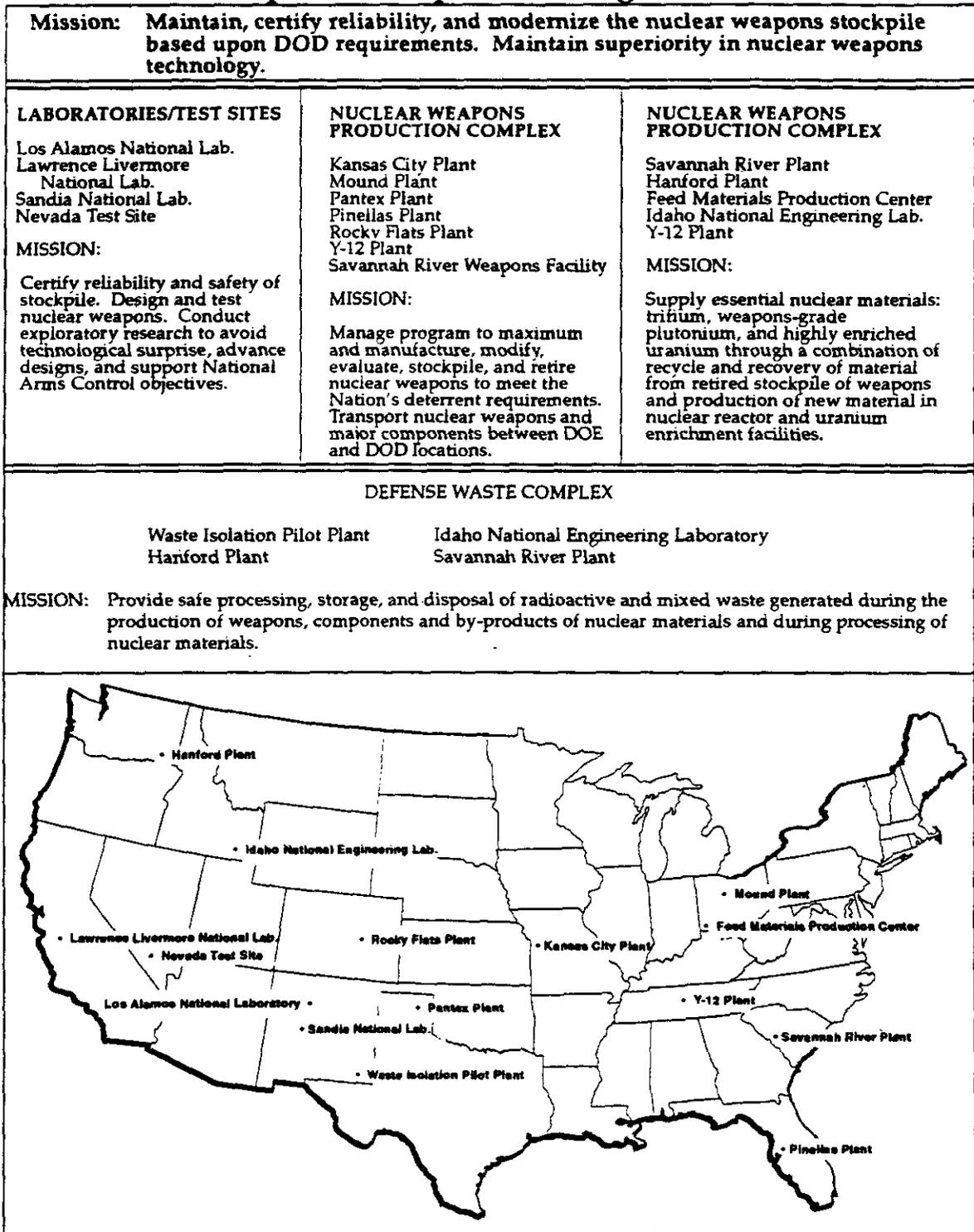
The Waste Isolation Pilot Plant was built to provide a research and development facility to demonstrate the safe disposal of transuranic radioactive wastes that resulted from defense activities.

Figure 1 relates these program elements to the major sites in the Complex.



Figure 1

Nuclear Weapons Complex During Cold War Years



Reference: United States Department of Energy Nuclear Weapons Complex Modernization Report, Report to the Congress by the President, December 1988.

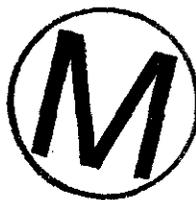
REFERENCES/BIBLIOGRAPHY

1. U.S. Department of Energy, Albuquerque Operations Information Digest, July 1988
2. United States Department of Energy Nuclear Weapons Complex Modernization Report, Report to the Congress by the President, December 1988
3. History of DuPont at the Savannah River Plant, W.P. Bebbington, 1990, IS BN Number 0-934870-27-6
4. Characterization of Decontamination and Decommissioning Wastes Expected from the Major Processing Facilities in the 200 Areas, WHC-EP-0787, August 1994
5. A Comprehensive Inventory of Radiological and Nonradiological Contaminants in Wastes Buried in the Subsurface Area of the INEL RWMC During the Years 1952-1983, EGG-WM-10903, Volume 1, June 1994
6. Radioactive Waste Management at the Savannah River Plant, DOE-SR-0001.



AE

Argonne National Laboratory - East



ARGONNE NATIONAL LABORATORY - EAST

Location and Description

Argonne National Laboratory-East (ANL-E) occupies the central 1,700 acres of a 3,740-acre tract in DuPage County, 35 kilometers southwest of downtown Chicago and 39 kilometers west of Lake Michigan. It lies north of the Des Plaines River Valley, south of Interstate Highway 55 and west of Illinois Highway 83. The 2,040 acres surrounding the site was formerly ANL-E property, but was deeded to the DuPage County Forest Preserve District in 1973 for their use as a public recreational area, nature preserve and demonstration forest.

The terrain is gently rolling, partially wooded, former prairie and farmland. The grounds contain a number of small ponds and streams, the principal one being Sawmill Creek, which runs through the site in a southerly direction and enters the Des Plaines River about 2.1 kilometers southeast of the center of the site.

Mission

Since World War II, ANL-E has been engaged in nuclear energy research. Currently it is a multidisciplinary research and development laboratory conducting basic and applied research to support development of energy-related technologies.

Waste Information

Processes

Most of the TRU and TRU mixed waste has been generated by three operations:

1. The Alpha Gamma Hot Cell Facility located in Building 205
2. The New Brunswick Laboratory (NBL), Building 305
3. Chemistry, chemical technology, and analytical programs.



The Alpha Gamma Hot Cell Facility does destructive examinations of fuel and components primarily associated with the Reactor Program. The waste component of this stream consists of metal and combustible trash containing adventitious quantities of TRU. The radioactive material originated in Idaho and is currently returned to the Radioactive Waste Management Complex (RWMC) at INEL for interim storage.

New Brunswick Laboratory does uranium and plutonium assay analyses for the DOE system. This stream generates approximately 130 cubic feet of waste per year. This stream consists of TRU nitrate solutions containing as estimated 130 grams of TRU annually.

The Reactor Program has generated small volumes of TRU waste contaminated with cadmium. This is a mixed waste that contains significant quantities of plutonium and uranium.

Some plutonium-containing liquid waste stream from the NBL analytical laboratories has been processed by the experimental/demonstration TRUEX process in Building 205. This TRUEX process is being replaced by a new transuranic neutralization precipitation process. Hot cells in Buildings 200, 205, and 212 are used to package remote-handled TRU waste.

TRU wastes are generated in dozens of laboratories on site. Most of these wastes are collected in containers smaller than 5 gallons because of the nature of the work performed at the Laboratory. The waste is transported to Building 306 where the waste is treated. Solid TRU waste treatment consists only of preparing it for interim storage.

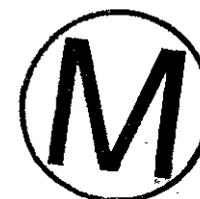
Liquid TRU waste (which is normally hazardous because of corrosivity) will be treated in a new process (TRU neutralization/precipitation process). The solid waste from this treatment process will also simply be put into storage until WIPP begins accepting waste.

Modifications/Assumptions/Development

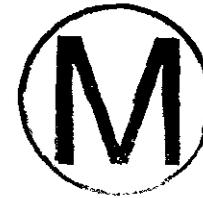
Waste streams that are expected to be directly shipped to WIPP (upon WIPP-WAC certification) without any need for repackaging or treatment are reported as "currently stored" in final form volume. For waste streams that are currently stored but are projected to be repackaged and/or treated at a later date prior to their shipment to WIPP, are also reported as "currently stored." This is done in order to avoid the error of double-counting these streams as both "as generated currently stored" and "final form projected."



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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AE-T003	Handling: CH	NMVP #: N/A	Stream Name: Nonhazardous metals	Inventory Date: 6/1/95
Local ID:	Type: TRU	Generator Site: AE	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5110

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	302.9	76.9	913.5
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

Unassigned

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	2.24E-05
U-235	2.50E-05
U-233	1.20E-09
Pu-241	6.10E-01
Pu-239	1.17E+00
Pu-238	4.07E-06
Np-237	6.43E-03
Am-243	4.00E-02
Am-241	2.13E+00

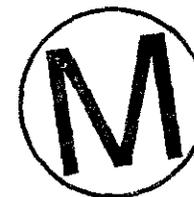


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	5.0	45.3	16.6	33.3	33.3	133.5	55 Gallon Drum	5.0	45.3	16.6	33.3	33.3	133.5
Totals	5.0	45.3	16.6	33.3	33.3	133.5	Totals	5.0	45.3	16.6	33.3	33.3	133.5

As-Generated Form: Stored: 5.0 Projected: 128.5 Total: 133.5 Final Waste Form: Stored: 5.0 Projected: 128.5 Total: 133.5

WASTE STREAM DESCRIPTION	8/6/95 This waste stream is Solid nonhazardous heterogeneous TRU-CH stored mostly at the at 317 Area vaults
WASTE STREAM SOURCE	\$ Not reported \$ Non-mixed TRU derived from IDB.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	N/A
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	8/14/95 Assume 42 cubic meters in 1996 (202 drums) and 3.3 cubic meters (16 drums) each year thereafter through 2022.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AE-W038	Handling: CH	NMVP #: N/A	Stream Name: Aqueous Lab Packs	Inventory Date: 6/1/95
Local ID:	Type: MTRU	Generator Site: AE	Final Waste Form: Solidified Inorganics	Waste Matrix Code: X6200

AS-GENERATED EPA CODES

D006, D004, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	101.0	101.0	101.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	216.3	168.3	259.6
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: R&D/R&D Laboratory Waste

TRUCON CODE

Unassigned

FINAL FORM RADIONUCLIDES

Isotope (grams/L)	
Pu-241	2.00E+01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	4.8	0.0	0.0	0.0	0.0	4.8	55 Gallon Drum	4.8	0.0	0.0	0.0	0.0	4.8
Totals	4.8	0.0	0.0	0.0	0.0	4.8	Totals	4.8	0.0	0.0	0.0	0.0	4.8

As-Generated Form: Stored: 4.8 Projected: 0.0 Total: 4.8 Final Waste Form: Stored: 4.8 Projected: 0.0 Total: 4.8

WASTE STREAM DESCRIPTION	This waste stream comprises three waste sources: 1) Lab packs of acidic wastes from research and development projects site-wide, 2) Acidic wastewater from Chemical Technology (CMT) Division - Building 205, and 3) acidic wastewater from the analysis of plutonium at the New Brunswick Laboratory (NBL).
WASTE STREAM SOURCE	Acidic wastes are generated by projects in electrochemical technology and by the analytical chemistry laboratory during routine analyses. A multitude of research and development projects in the areas of materials science, chemistry, environmental studies and biological research. \$ Not reported \$ MTRU Acidic Wastewater
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Waste has only been characterized by process knowledge.
MANAGEMENT COMMENTS	Building 306, Room A150. NBL, Building 350. Building 205 (CMT)
ACCEPTANCE COMMENTS	<p>□□GENERAAREA: This waste stream comes from three sources: Chemical Technology (CMT) Division - Building 205, New Brunswick Laboratory (NBL) - Building 350, and Site-wide. □□GENOPERATI: CMT has programs in nuclear technology, electrochemical technology, fossil fuel research, municipal and hazardous waste research, and analytical chemistry. NBL performs analytical chemistry of uranium-containing samples. ANL-E, in general, conducts various research and development projects. □□CATION: UNK □□OTHER_CHAR: The NBL wastewater contains 8 to 16 molar nitric acid □□LDR_DETERM: This waste is subject to the LDR storage prohibition. The waste has been in storage for more than the one year LDR mandated storage limit. □□WASTE_PACK: Waste is stored in lab packs that may be overpacked in 55-gal drums. If not overpacked, lab packs are stored in metal cabinets. NBL waste is stored in 1-liter polyethylene bottle which is double bagged and placed in a steel paint can/drum. CMT waste is stored in 1 gal plastic bottles</p>
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AE-W039	Handling: CH	NMVP #: N/A	Stream Name: Organic Resins	Inventory Date: 8/1/95
Local ID:	Type: MTRU	Generator Site: AE	Final Waste Form: Solidified Organics	Waste Matrix Code: S3211

AS-GENERATED EPA CODES

D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	351.0	28.8	548.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	346.2	101.0	726.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

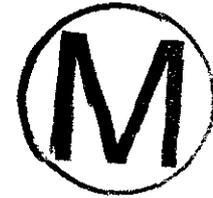
Source: R&D/R&D Laboratory Waste

TRUCON CODE

Unassigned

FINAL FORM RADIONUCLIDES

N/A



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	Resins used in the radiochemical analysis.
WASTE STREAM SOURCE	Radiochemical analysis. \$ Not reported \$ MTRU Organic Resins
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Waste has only been characterized by process knowledge.
MANAGEMENT COMMENTS	Building 205
ACCEPTANCE COMMENTS	<input type="checkbox"/> GENERAAREA: Building 205 <input type="checkbox"/> GENOPERATI: Programs in nuclear technology, electrochemical technology, fossil fuel research, municipal and hazardous waste research, and analytical chemistry. <input type="checkbox"/> CATION: UNK <input type="checkbox"/> LDR_DETERM: This waste is subject to the LDR storage prohibition. The waste has been in storage for more than the one year LDR mandated storage limit. <input type="checkbox"/> WASTE_PACK: 1-gallon plastic bottles
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AE-W040	Handling: CH	NMVP #: N/A	Stream Name: Wastewater Treatment Sludges	Inventory Date: 6/1/95
Local ID:	Type: MTRU	Generator Site: AE	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

**AS-GENERATED
EPA CODES**
D009, D007, D008

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	394.2	173.1	528.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	399.0	173.1	528.8
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	
Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	R&D/R&D Laboratory Waste

TRUCON CODE	FINAL FORM RADIONUCLIDES
Unassigned	N/A



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 **Final Waste Form:** Stored: 0.4 Projected: 0.0 Total: 0.4

WASTE STREAM DESCRIPTION	MTRU sludge from evaporator used to concentrate aqueous liquids. Sludges may contain cadmium, chromium and/or mercury..
WASTE STREAM SOURCE	Evaporation of water from aqueous solutions. \$ Not reported \$ MTRU Evaporator, Concentrator Sludges
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Waste has only been characterized by process knowledge.
MANAGEMENT COMMENTS	Evaporator bottoms are stored in Building 374A.
ACCEPTANCE COMMENTS	□□GENERAAREA: Building 306 evaporator/concentrator.□□GENOPERATI: Waste concentration and repackaging.□□CATION: UNK□□LDR_DETERM: This waste is subject to the LDR storage prohibition. The waste has been in storage for more than the one year LDR mandated storage limit.□□WASTE_PACK: 55-gal removable head 17C galvanized steel drums with high density polyethylene rigid liner. Absorbent material (vermiculite or silicate) is placed between the liner and the drum.
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AE-W041	Handling: CH	NMVP #: N/A	Stream Name: Non-Activated Lead	Inventory Date: 6/1/95
Local ID:	Type: MTRU	Generator Site: AE	Final Waste Form: Lead/Cadmium Metal Waste	Waste Matrix Code: X7211

**AS-GENERATED
EPA CODES**
D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	302.9	76.9	913.5
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: R&D/R&D Laboratory Waste

TRUCON CODE
Unassigned

FINAL FORM RADIONUCLIDES
N/A



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	0.6	0.0	0.6	0.0	0.0	1.2
Totals	0.6	0.0	0.6	0.0	0.0	1.2

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.6	0.0	0.6	0.0	0.0	1.2
Totals	0.6	0.0	0.6	0.0	0.0	1.2

As-Generated Form: Stored: 0.6 Projected: 0.6 Total: 1.2

Final Waste Form: Stored: 0.6 Projected: 0.6 Total: 1.2

WASTE STREAM DESCRIPTION	Lead bricks from ANL-E site operations including glove boxes. The lead bricks contain plutonium.
WASTE STREAM SOURCE	\$ Not reported \$ MTRU Elemental Lead
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Waste has only been characterized by process knowledge.
MANAGEMENT COMMENTS	Waste is currently intact in Building 212.
ACCEPTANCE COMMENTS	<input type="checkbox"/> GENERAAREA: Building 212 (glove boxes) <input type="checkbox"/> GENOPERATI: Building 212 was used for research and development of reactor fuels. <input type="checkbox"/> CATION: UNK <input type="checkbox"/> LDR_DETERM: This waste is subject to the LDR storage prohibition. The waste has been in storage for more than the one year LDR mandated storage limit. <input type="checkbox"/> WASTE_PACK: The waste is currently stored in a poly-lined 55-gal steel drum.
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AE-W042	Handling: CH	NMVP #: N/A	Stream Name: Cadmium containing metal debris	Inventory Date: 6/1/95
Local ID:	Type: MTRU	Generator Site: AE	Final Waste Form: Lead/Cadmium Metal Waste	Waste Matrix Code: S5113

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
D008

	Avg	Min	Max
Iron-base Metal/Alloys:	258.1	258.1	258.1
Aluminum-base Metal/Alloys:	27.8	27.8	27.8
Other Metals/Alloys:	24.7	24.7	24.7
Other Inorganic Material:	29.3	2.3	29.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	7.4	0.0	45.3
Rubber:	0.0	0.0	0.0
Plastics:	15.1	0.0	67.6
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

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

Unassigned

N/A



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	88-02	03-12	13-22	Totals
Drum / 55-gallon	0.4	0.0	0.7	0.0	0.0	1.1
Totals	0.4	0.0	0.7	0.0	0.0	1.1

Container	Final Waste Form Volumes					
	Stored	Pre-97	88-02	03-12	13-22	Totals
55 Gallon Drum	0.4	0.0	0.7	0.0	0.0	1.1
Totals	0.4	0.0	0.7	0.0	0.0	1.1

As-Generated Form: Stored: 0.4 Projected: 0.7 Total: 1.1

Final Waste Form: Stored: 0.4 Projected: 0.7 Total: 1.1

WASTE STREAM DESCRIPTION	Cadmium containing metal/salt waste from IFR research and development projects. The waste contains plutonium and uranium.
WASTE STREAM SOURCE	The waste is generated from the IFR electro-refinery process. \$ Not reported \$ MTRU Cadmium Waste
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Waste has only been characterized by process knowledge.
MANAGEMENT COMMENTS	This waste is being stored in Building 306, room D001.
ACCEPTANCE COMMENTS	<input type="checkbox"/> GENERAAREA: Building 205, CMT Division <input type="checkbox"/> GENOPERATI: Building 205: Programs in nuclear technology, electrochemical technology, fossil fuel research, municipal and hazardous waste research, and analytical chemistry. <input type="checkbox"/> LOCATION: K, U, C1 <input type="checkbox"/> LDR_DETERM: This waste is subject to the LDR storage prohibition. The waste has been in storage for more than the one year LDR mandated storage limit. <input type="checkbox"/> WASTE_PACK: 55-gallon galvanized steel drums with high density polyethylene liner.
FINAL FORM COMMENTS	N/A





AL

Ames Laboratory

AMES LABORATORY

Location and Description

Ames Laboratory (AL) located on the campus of Iowa State University in Ames, Iowa, conducts basic research in materials and chemical sciences, as well as related research in materials reliability and non-destructive evaluation. The University operates the Laboratory for the DOE. DOE owns eleven buildings on the campus. The Laboratory also leases space in Iowa State University-owned buildings, and has easements through the Year 2060 for two buildings in the Applied Science Complex.

Mission

The primary mission of AL is to conduct basic and intermediate range applied research in physical, chemical, mathematical, and engineering sciences that underlie and support energy technologies and other areas of national importance. AL has strengths in materials preparation and processing, chemical sciences, and materials reliability for solving complex materials problems in energy production and utilization. AL maintains capabilities for preparing high purity metals, alloys, compounds, and single crystals. AL is also applying its experience in materials testing to develop innovative techniques for investigating contaminated sites.

Waste Information

Processes

Currently AL has no TRU material that has been declared waste. AL expects to generate TRU waste during remediation of a glovebox that has been used for plutonium and other transuranic research. The glovebox will continue to be used for TRU research. An undetermined amount of the contents of the glovebox will become mixed TRU waste. Isotopes that are known to be in the glovebox are: Pu-239, Pu-240, Pu-242, Np-237, U-235, U-236, and U-238. Also included in this waste stream are the HEPA filters that will be removed in 2004.

Modifications/Assumptions/Development

The volume of the final form assumes a 2.5 volume expansion factor for solidification.

Waste streams that are expected to be directly shipped to WIPP (upon WIPP-WAC certification) without any need for repackaging or treatment are reported as "currently stored" in final form volume. For waste streams that are currently stored but are projected to be repackaged and/or treated at a later date prior to their shipment to WIPP, are also reported as "currently stored." This is done in order to avoid the error of double-counting these streams as both "as generated currently stored" and "final form projected."



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AL-W005
 Local ID: Glovebox
**AS-GENERATED
 EPA CODES**

Handling: CH NMVP #: N/A Stream Name: Aqueous Liquids/Slurries Inventory Date: 5/12/95
 Type: MTRU Generator Site: AL Final Waste Form: Solidified Inorganics Waste Matrix Code: L1000

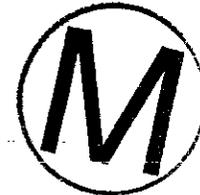
D011, D010,
 D008, D007,
 D006, D005, D002

WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:		Isotope (weight %)	
Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	Unassigned	U-238	5.00E-03
Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		U-236	5.00E-03
Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		U-235	5.00E-03
Other Inorganic Material:	394.2	173.1	528.8	PCBs: No		U-(unspec)	5.00E-03
Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste		Pu-242	5.00E-03
Cellulosics:	0.0	0.0	0.0			Pu-240	5.00E-03
Rubber:	0.0	0.0	0.0			Pu-239	5.00E-02
Plastics:	0.0	0.0	0.0			Np-237	5.00E-03
Solidified Inorganic Material:	399.0	173.1	528.6				
Solidified Organic Material:	0.0	0.0	0.0				
Cement (solidified):	0.0	0.0	0.0				
Soils:	0.0	0.0	0.0				
Packaging Material Steel:	131.0						
Packaging Material Plastic:	37.0						
Packaging Material Lead:	0.0						
Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum /	0.0	0.0	0.0	0.4	0.0	0.4	55 Gallon Drum	0.0	0.0	0.0	0.4	0.0	0.4
Totals	0.0	0.0	0.0	0.4	0.0	0.4	Totals	0.0	0.0	0.0	0.4	0.0	0.4

As-Generated Form: Stored: 0.0 Projected: 0.4 Total: 0.4
 Final Waste Form: Stored: 0.0 Projected: 0.4 Total: 0.4



WASTE STREAM DESCRIPTION	This waste stream will be generated during the remediation of a glovebox that has been used for plutonium and other transuranic research. The glovebox will continue to be used for transuranic research. Some of the contents of the glovebox will become MTRU waste. It has not yet been determined what volume will be MTRU and what will be TRU. Isotopes that are known to be in the glovebox are: Pu-239, Pu-240, Pu-242, Np-237, Pa-233, U-235, U-236 and U-238. The concentrations of the TRU components range from 1 ppb to 2300 ppm in various concentrations of nitric acid. Uranium concentrations range from 0.1 ppm to 407,770 ppm. Also included in this waste stream are the HEPA filters that will be removed in 2004.
WASTE STREAM SOURCE	This glove box was used to contain transuranic materials which were subject to ICP-AES preparation and analysis.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	No TCLP analysis has been done.
MANAGEMENT COMMENTS	Glovebox being held with limited access at Waste Disposal facility at Ames Laboratory.
ACCEPTANCE COMMENTS	<p>Remediation of the contents of the glovebox is required so that the remaining equipment can again be used. It is unknown at this time, how much or what kinds of waste will be generated as a result of this activity. Every effort will be made to segregate TRU from non-TRU and RCRA hazardous from any radioactive. Research activities are conducted at the Alpha Facility. It is unlikely that any of the wastes will be able to be reclassified as less than 100 nCi/g. Anions: NO3, F, SO4, NO2. Cations: Cs, Al, Fe, Sr, Y, Sm, Dy, Lu, Ce, Nd, Ni, Na, Cr, Se, Rb, Zr, Mo, Ru, Rh, Pd, Ag, Cd, Te, Ba, La, Pr, Eu, Gd, Pb, K, Mg, Ca</p> <p>Many of the cations are contained in matrices at ppm quantities. The following are in part/thousand quantities or greater: Na, Al, Fe, Ca. This waste stream may be potentially generated during the remediation of the glovebox contents. Total dissolved solids ranges from 1 ppm to 40%. This waste stream is currently contained within a glovebox. The information that has been presented in this waste stream profile has been derived from the inventory of the contents. The total volume and types of wastes that will be generated during the remediation of the contents of the glovebox will not be known until remediation has begun. Wastes will go into storage after LDR effective date of 5/8/92. Currently the various solutions are contained in plastic 50 ml centrifuge tubes and in polyethylene or glass bottles.</p>
FINAL FORM COMMENTS	This waste will not be generated until 2004.





AW

Argonne National Laboratory - West

ARGONNE NATIONAL LABORATORY - WEST

Location and Description

Argonne National Laboratory-West (ANL-W) is located approximately 56 kilometers west of Idaho Falls, Idaho, in the southeastern portion of the Idaho National Engineering Laboratory (INEL). ANL-W is in Bingham County in the State of Idaho. The ANL-W administrative area covers slightly more than one square mile and is managed by the DOE/Chicago Office. The Management and Operating Contractor is the University of Chicago.

Mission

ANL-W is a research and development laboratory. Much of the work done there supports development of advanced nuclear power plant technology. This support includes irradiation and safety tests, reactor physics studies, and fuel examination studies.

ANL-W consists of several major complexes: Experimental Breeder Reactor II (EBR II) the Transient Reactor Test Facility (TREAT), the Zero Power Physics Reactor (ZPPR), the Hot Fuel Examination Facility (HFEF), The Fuel Conditioning Facility (FCF), the Fuel Manufacturing Facility (FMF), Laboratory and Office Building, support complexes such as the Radioactive Liquid Waste Treatment Facility (RLWTF) and the Radioactive Scrap and Waste Facility (RSWF), and the Sodium Process Facility.

Waste Information

Processes

Solid radioactive waste generated at ANL-W is primarily associated with irradiated experimental fuel subassemblies and capsules from EBR-II and, to a lesser degree, TREAT. After irradiation in ANL-W reactors, the subassemblies and capsules were conveyed to appropriate facilities for dismantling, sampling, and examination. If they were not contaminated with sodium, these reactor pieces and parts were shipped to the RWMC as remote-handled waste. Sodium-contaminated reactor parts are stored in the RSWF at ANL-W.

The ANL-W Waste Operations Program encompasses all ANL-W non-production facilities, operations, and sites used for the storage, treatment, or disposal of radioactive, hazardous, mixed, and sanitary waste materials that have been properly characterized, packaged, and labeled. Facilities used exclusively for long-term storage of ANL-W waste material are also covered in this program.

Waste management activities are those concerned with minimization, treatment, storage, and disposal of radioactive, hazardous, mixed, and non-hazardous wastes generated as a result of ongoing operations at active facilities and from other resources such as the Environmental Restoration Program. Many of these activities support continuity of operations at ANL-W.



Routine operations include shipping TRU waste from ANL-W to the Radioactive Waste Management Complex on the INEL for storage and then eventual disposal to WIPP. Operations at the RSWF involves TRU and mostly TRU mixed waste which is contaminated with elemental sodium. The waste will be moved from this interim holding area to approved and appropriate DOE waste treatment or disposal areas, when identified.

Modifications/Assumptions/Development

Waste streams that are expected to be directly shipped to WIPP (upon WIPP-WAC certification) without any need for repackaging or treatment are reported as "currently stored" in final form volume. For waste streams that are currently stored but are projected to be repackaged and/or treated at a later date prior to their shipment to WIPP, are also reported as "currently stored." This is done in order to avoid the error of double-counting these streams as both "as generated currently stored" and "final form projected."



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W026	Handling: CH	NMVP #: N/A	Stream Name: ALHC UPGRADE DECON DEBRIS	Inventory Date: 4/30/95
Local ID: CH-ANL-505T	Type: MTRU	Generator Site: AW	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

**AS-GENERATED
EPA CODES**

D008, D007, D006

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	0.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste



TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

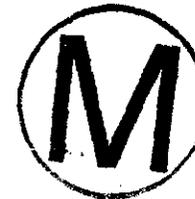
Isotope (Ci/m3)	
Zr-95	1.05E-02
Y-90	2.63E+00
U-238	3.67E-06
U-235	2.84E-05
Sr-90	2.63E+00
Rh-106	3.14E-01
Pu-239	1.30E-01
Mn-54	7.84E-06
Eu-155	2.44E-02
Eu-154	9.88E-03
Ce-137	1.18E+00
Ce-134	2.83E-02
Co-60	7.51E-02
Ce-144	4.81E-02
Am-241	1.64E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Metal Box	1.2	0.0	0.0	0.0	0.0	1.2	Standard Waste Box	4.3	0.0	0.0	0.0	0.0	4.3
Totals	1.2	0.0	0.0	0.0	0.0	1.2	Totals	4.3	0.0	0.0	0.0	0.0	4.3

As-Generated Form: Stored: 1.2 Projected: 0.0 Total: 1.2 Final Waste Form: Stored: 4.3 Projected: 0.0 Total: 4.3

WASTE STREAM DESCRIPTION	Waste packaged for WIPP containing: Radioactive cadmium debris from CH-ANL-242T, solidified to meet WIPP-WAC requirement for particulate immobilization, and bags of lead-lined gloves were placed in the solidified CO2 drums to fill the void spaces. The leftover gloves were placed in a separate 30-gallon drum. 1710 pounds of waste are in two TRU-Pac containers: MW-S-94-02 and MW-S-94-03.
WASTE STREAM SOURCE	This waste stream was generated at Analytical Lab Hot Cell (ALHC) Upgrade, Bldg 752: Analytical Analysis for ANL-W Research and Development work and Environmental Compliance.. The generating process is: Debris was generated during decontamination of the ALHC to upgrade the facility to support the Fuel Cycle Facility (FCF).
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	This is a TRU waste packaged to meet the WIPP WAC. Particulate materials were solidified for immobilization.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W027	Handling: CH	NMVP #: N/A	Stream Name: LEAD CONTAMINATED WASTE	Inventory Date: 4/30/95
Local ID: CH-ANL-142T	Type: MTRU	Generator Site: AW	Final Waste Form: Combustible	Waste Matrix Code: S5311

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:			Isotope (Ci/m3)	
D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	U-238	1.56E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		U-235	1.23E-04
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		Pu-239	6.17E-01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Am-241	7.23E+00
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources			
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	187.0						
	Packaging Material Plastic:	11.9						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						



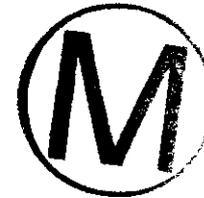
Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.0	0.0	0.6	0.0	0.0	0.6	55 Gallon Drum	0.0	0.0	0.6	0.0	0.0	0.6
SWB used to overpack 55 gallon drums	0.0	0.0	1.4	0.0	0.0	1.4	SWB used to overpack 55 gallon drums	0.0	0.0	1.4	0.0	0.0	1.4
Totals	0.0	0.0	2.0	0.0	0.0	2.0	Totals	0.0	0.0	2.0	0.0	0.0	2.0

As-Generated Form: Stored: 0.0 Projected: 2.0 Total: 2.0 Final Waste Form: Stored: 0.0 Projected: 2.0 Total: 2.0

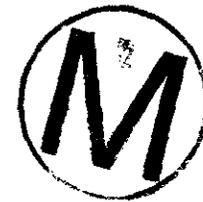
WASTE STREAM DESCRIPTION	This waste stream is typically lead lined gloves replaced at the Experimental Fuel Laboratory Glove Box.
WASTE STREAM SOURCE	This waste stream was generated at Lab and Office Building (752) Engineering Fuels Laboratory (EFL)(B147): The EFL houses an experimental fuels casting lab, and areas for small scale testing of experimental processes related to nuclear fuels fabrication.. The generating process is: The EFL houses a glove box that fully contains a small scale nuclear fuel casting process. Because radioactive materials are handled and processed in the glove box, lead gloves are utilized to provide radiation protection.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	N/A
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W029	Handling: RH	NMVP #: N/A	Stream Name: RSWF TRANSURANIC WASTE	Inventory Date: 4/30/95
Local ID: CH-ANL-538	Type: TRU	Generator Site: AW	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5111

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m ³)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES
		Avg	Min	Max	Category:		
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources		
	Cellulosics:	0.0	0.0	0.0			
	Rubber:	0.0	0.0	0.0			
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	526.0					
	Packaging Material Plastic:	26.0					
	Packaging Material Lead:	464.7					
	Packaging Material Steel Plug:	2145.1					



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Metal Box (.006cm)	0.01	0.0	0.0	0.0	0.0	0.01	RH Canister used to overpack 55 gallon drums	17.5	0.0	0.0	0.0	0.0	17.5
Metal Box (.007cm)	0.01	0.0	0.0	0.0	0.0	0.01	Totals	17.5	0.0	0.0	0.0	0.0	17.5
Metal Box (.014cm)	0.01	0.0	0.0	0.0	0.0	0.01							
Metal Box (.028cm)	0.1	0.0	0.0	0.0	0.0	0.1							
Metal Box (.035cm)	0.1	0.0	0.0	0.0	0.0	0.1							
Metal Box (.06cm)	0.1	0.0	0.0	0.0	0.0	0.1							
Metal Box (.127cm)	1.1	0.0	0.0	0.0	0.0	1.1							
Metal Box (.13cm)	0.6	0.0	0.0	0.0	0.0	0.6							
Metal Box (.1cm)	0.1	0.0	0.0	0.0	0.0	0.1							
Metal Box (.41cm)	4.1	0.0	0.0	0.0	0.0	4.1							
Totals	6.2	0.0	0.0	0.0	0.0	6.2							

As-Generated Form: Stored: Projected: Total:

Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION Radioactive Scrap and Waste Facility (RSWF) Waste containers storing TRU waste from various facilities. Waste includes analytical samples, EBR-I waste, and subassembly hardware.

WASTE STREAM SOURCE This waste stream was generated at Various ANL Facilities: Various. The generating process is: Various ANL-W historical processes including: Analytical samples, EBR-I waste and subassembly hardware.

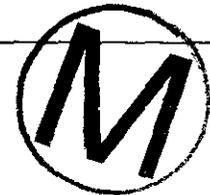
CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS N/A

MANAGEMENT COMMENTS N/A

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W030	Handling: CH	NMVP #: N/A	Stream Name: FCF TRU (CH) DISCARDED METAL DEBRIS	Inventory Date: 4/30/95
Local ID: CH-ANL-539	Type: TRU	Generator Site: AW	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5420

**AS-GENERATED
EPA CODES**
N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metals/Alloys:	0.0	0.0	0.0
Aluminum-base Metals/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.9		
Packaging Material Plastic:	29.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES: N/A

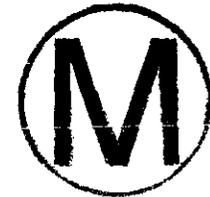


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.0	0.0	74.5	99.8	85.1	259.4	55 Gallon Drum	0.0	0.0	66.8	89.4	76.1	232.3
Totals	0.00	0.0	74.5	99.8	85.1	259.4	SWB used to overpack 55 gallon drums	0.0	0.0	17.5	23.6	20.3	61.4
							Totals	0.0	0.0	84.3	113.1	96.4	293.8

As-Generated Form: Stored: 0.0 Projected: 259.4 Total: 259.4 Final Waste Form: Stored: 0.0 Projected: 293.8 Total: 293.8

WASTE STREAM DESCRIPTION	Contact handled TRU waste to be generated by FCF pyroprocessing demonstration. Radioactive waste which includes solid metals, tools, piping and discarded equipment.
WASTE STREAM SOURCE	This waste stream was generated at Fuel Cycle Facility - Building 765: Nuclear fuel pyroprocessing in support of the Fuel Cycle facility (FCF) operation.. The generating process is: FCF Operations. Generated throughout the facility from maintenance and repair operations. Items include solid metals, tools, piping and discarded equipment.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	N/A
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years. Details on final containers not available because this stream has not been generated yet.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W031 Handling: RH NMVP #: N/A Stream Name: FCF (RH) MISCELLANEOUS TRU WASTE Inventory Date: 12/30/99
 Local ID: CH-ANL-540 Type: TRU Generator Site: AW Final Waste Form: Heterogeneous Waste Matrix Code: S5410

**AS-GENERATED
EPA CODES**
N/A

WASTE MATERIAL PARAMETERS (kg/m3)	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	434.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
Category: Defense TRU Waste	N/A	N/A
Residues: No		
Asbestos: No		
PCBs: No		
Source: Facility/Equipment Operation and Maintenance Waste		



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
							RH Canister used to overpack 1 HFEF canister	0.0	0.0	319.5	480.6	408.5	1208.6
							Totals	0.0	0.0	319.5	480.6	408.5	1208.6

As-Generated Form: Stored: 0.0 Projected: 0.0 Total: 0.0 Final Waste Form: Stored: 0.0 Projected: 1208.6 Total: 1208.6

WASTE STREAM DESCRIPTION	Fuel Cycle Facility (FCF) Remote-handled (RH) Radioactive Transuranic Miscellaneous waste: hot laboratory waste, filters, etc. This waste has not been generated yet. Hot startup is scheduled for late FY 95.
WASTE STREAM SOURCE	This waste stream was generated at Fuel Cycle Facility (FCF) Bldg. 765: Nuclear fuel pyroprocessing operations in support of the Fuel Cycle Facility operation.. The generating process is: FCF Hot Laboratory analysis waste to support operations.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	N/A
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 9.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W032 Handling: CH NMVP #: N/A Stream Name: FCF TRU (CH) COMBUSTIBLES Inventory Date: 12/30/99
 Local ID: CH-ANL-541 Type: TRU Generator Site: AW Final Waste Form: Combustible Waste Matrix Code: S5313

AS-GENERATED EPA CODES WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

N/A

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	150.6		
Packaging Material Plastic:	28.3		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste TRUCON CODE: N/A FINAL FORM RADIONUCLIDES: N/A

Residues: No

Asbestos: No

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

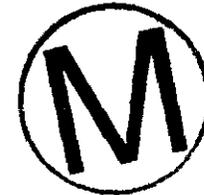


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					Final Waste Form Volumes							
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
							55 Gallon Drum	0.0	0.0	21.6	29.1	24.8	75.5
							SWB used to overpack 55 gallon drums	0.0	0.0	6.6	9.4	8.0	24.1
							Totals	0.0	0.0	28.2	38.6	32.8	99.6

As-Generated Form: Stored: 0.0 Projected: 0.0 Total: 0.0 Final Waste Form: Stored: 0.0 Projected: 99.6 Total: 99.6

WASTE STREAM DESCRIPTION	Contact handled TRU waste to be generated by Fuel Cycle Facility pyroprocessing demonstration. This waste is generated in the hot repair facility from decontamination operations. Estimated generation of two drums per year. Normally combustible waste including polyethylene, rags, coveralls, latex gloves, and wood.
WASTE STREAM SOURCE	This waste stream was generated at Fuel Cycle Facility (FCF) Building 785: Nuclear fuel pyroprocessing in support of the Fuel Cycle Facility operation.. The generating process is: FCF Operations. Generated in the hot repair facility from decontamination operations. Items include polyethylene, rags, coveralls, latex gloves, and wood.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	N/A
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W033	Handling: CH	NMVP #: N/A	Stream Name: ANL-752 TRU WASTE	Inventory Date: 4/30/95
Local ID: CH-ANL-542	Type: TRU	Generator Site: AW	Final Waste Form: Heterogeneous	Waste Matrix Code: S5490

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg	Min	Max			
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No	
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No	
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No	
	Vitrified:	0.0	0.0	0.0	Source: Analytical Laboratory Waste	
	Cellulosics:	0.0	0.0	0.0		
	Rubber:	0.0	0.0	0.0		
	Plastics:	0.0	0.0	0.0		
	Solidified Inorganic Material:	0.0	0.0	0.0		
	Solidified Organic Material:	0.0	0.0	0.0		
	Cement (solidified):	0.0	0.0	0.0		
	Soils:	0.0	0.0	0.0		
	Packaging Material Steel:	166.7				
	Packaging Material Plastic:	21.2				
	Packaging Material Lead:	0.0				
	Packaging Material Steel Plug:	0.0				

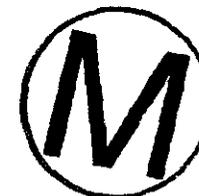


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	2.3	0.0	0.0	0.0	0.0	2.3	55 Gallon Drum	2.3	0.0	5.0	4.2	3.5	15.0
Totals	2.29	0.0	0.0	0.0	0.0	2.3	SWB used to overpack 55 gallon drums	0.0	0.0	2.8	4.7	4.3	11.8
							Totals	2.3	0.0	7.8	8.9	7.8	26.8

As-Generated Form: Stored: 2.3 Projected: 0.0 Total: 2.3 Final Waste Form: Stored: 2.3 Projected: 24.5 Total: 26.8

WASTE STREAM DESCRIPTION	Transuranic waste generated from plutonium casting laboratory (PCL) and Analytical laboratory (AL) Hot cell operations. This waste is typically packaged in 55-gallon drums.
WASTE STREAM SOURCE	This waste stream was generated at ANL-752 A-101 and B-147. Building 752 is called the Lab and Office building. It contains offices, cafeteria, and laboratory areas. The generating process is: The AL Hot Cell is a shielded enclosure used to handle and perform analytical measurements on irradiated fuel and hardware from HFEF. The plutonium casting laboratory (PCL) is used to run experiments for various waste forms relative to ANL-W operations.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	N/A
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W034 Handling: CH NMVP #: N/A Stream Name: FCF TRU (CH) COMPACTIBLE WASTE Inventory Date: 12/30/99
 Local ID: CH-ANL-543 Type: TRU Generator Site: AW Final Waste Form: Heterogeneous Waste Matrix Code: S5111

AS-GENERATED

WASTE MATERIAL PARAMETERS (kg/m3)

FINAL WASTE FORM DESCRIPTORS

TRUCON CODE

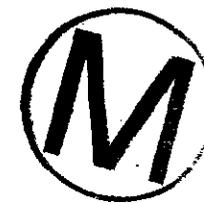
FINAL FORM RADIONUCLIDES

EPA CODES

N/A

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	149.3		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

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

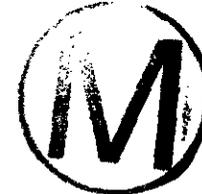


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					Final Waste Form Volumes							
	Stored	Pre-97	98-02	93-12	13-22	Totals	Container	Stored	Pre-97	98-02	93-12	13-22	Totals
							55 Gallon Drum	0.0	0.0	71.6	95.7	81.3	248.6
							SWB used to overpack 55 gallon drums	0.0	0.0	19.8	28.3	24.1	72.3
							Totals	0.0	0.0	91.4	124.0	105.4	320.9

As-Generated Form: Stored: 0.0 Projected: 0.0 Total: 0.0 Final Waste Form: Stored: 0.0 Projected: 320.9 Total: 320.9

WASTE STREAM DESCRIPTION	Contact handled TRU waste to be generated by Fuel Cycle Facility pyroprocessing demonstration. This waste will be generated in the hot repair facility from personnel performing maintenance and normal operations. Items include HEPA filters, conduit, ducting, shoe covers, gloves, and light duty structural materials.
WASTE STREAM SOURCE	This waste stream was generated at Fuel Cycle Facility - Building 765: Nuclear fuel pyroprocessing in support of the Fuel Cycle Facility operations. The generating process is: Fuel Cycle Facility Operations. Generated in the hot repair facility from personnel performing maintenance and normal operations. Items include HEPA filters, conduit, ducting, shoe covers, gloves, and light duty structural materials.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	N/A
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W035	Handling: RH	NMVP #: N/A	Stream Name: FCF (RH) TRU GLASS-METAL WASTE	Inventory Date: 4/30/95
Local ID: CH-ANL-544	Type: TRU	Generator Site: AW	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5122

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m ³)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: No		
	Other Inorganic Material: 0.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Facility/Equipment Operation and Maintenance Waste		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 434.0			
	Packaging Material Plastic: 0.0			
	Packaging Material Lead: 464.7			
	Packaging Material Steel Plug: 2145.1			



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
HFEF Canister	0.0	0.0	1.0	2.0	1.8	4.8	RH Canister used to overpack 1 HFEF canister	0.0	0.0	4.4	8.9	8.0	21.4
Totals	0.00	0.0	1.0	2.0	1.8	4.8	Totals	0.0	0.0	4.4	8.9	8.0	21.4

As-Generated Form: Stored: 0.0 Projected: 4.8 Total: 4.8 Final Waste Form: Stored: 0.0 Projected: 21.4 Total: 21.4

WASTE STREAM DESCRIPTION	Remote Handled TRU waste to be generated from Fuel Cycle Facility (FCF) pyroprocessing activities. Broken quartz molds from injection casting of new fuel pins are mixed with scrap fuel alloy. Items include glass scrap and some metal scrap.
WASTE STREAM SOURCE	This waste stream was generated at Fuel Cycle Facility - Building 785: Nuclear Fuel pyroprocessing in support of the Fuel Cycle Facility Operation. The generating process is: FCF Operations. Broken quartz molds from injection casting of new fuel pins are mixed with scrap fuel alloy. Items include glass scrap and some metal scrap.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	The volume to be generated is very small, therefore, sporadic waste generation seems like a correct assumption.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W012	Handling: RH	NMVP #: N/A	Stream Name: ELECTROREFINER STRIPPED SALT - Ba AND Cd	Inventory Date: 4/30/95
Local ID: CH-ANL-218T	Type: MTRU	Generator Site: AW	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3141

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES
		Avg	Min	Max			
D006, D005	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste		
	Cellulosics:	0.0	0.0	0.0			
	Rubber:	0.0	0.0	0.0			
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	528.0					
	Packaging Material Plastic:	28.0					
	Packaging Material Lead:	464.7					
	Packaging Material Steel Plug:	2145.1					



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.0	0.0	4.4	8.7	1.9	15.0	RH Canister used to overpack 55 gallon drums	0.0	0.0	6.2	12.5	2.7	21.4
Totals	0.00	0.0	4.4	8.7	1.9	15.0	Totals	0.0	0.0	6.2	12.5	2.7	21.4

As-Generated Form: Stored: 0.0 Projected: 15.0 Total: 15.0 Final Waste Form: Stored: 0.0 Projected: 21.4 Total: 21.4

WASTE STREAM DESCRIPTION	This waste stream consists of chloride salts containing residual amounts of cadmium and barium. This waste stream will be generated from the Fuel Cycle Facility operations.
WASTE STREAM SOURCE	This waste stream was generated at ANL-765, Fuel Cycle Facility (FCF); Nuclear fuel pyroprocessing operations in support of the Fuel Cycle Facility (FCF) operation. The generating process is: Spent salt compound (chlorides of Li, Na, Ba, and Cd) from the electrorefiner station in the IFR fuel cycle.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Barium and possibly cadmium will contaminate this waste. Concentrations will not be known until the waste is generated.
MANAGEMENT COMMENTS	Remote Handled
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W016	Handling: RH	NMVP #: N/A	Stream Name: ELECTROREFINER STRIPPED CADMIUM	Inventory Date: 4/30/95
Local ID: CH-ANL-245T	Type: MTRU	Generator Site: AW	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3150

**AS-GENERATED
EPA CODES**

D006

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	434.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

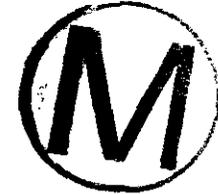
Source: R&D/R&D Laboratory Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

N/A



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
HFEF Canister	0.0	0.0	0.2	0.4	0.4	1.0	RH Canister used to overpack 1 HFEF canister	0.0	0.0	0.9	1.8	1.8	4.4
Totals	0.00	0.0	0.2	0.4	0.4	1.0	Totals	0.0	0.0	0.9	1.8	1.8	4.4

As-Generated Form: Stored: 0.0 Projected: 1.0 Total: 1.0 Final Waste Form: Stored: 0.0 Projected: 4.4 Total: 4.4

WASTE STREAM DESCRIPTION	This waste stream consists of encapsulated waste cadmium metal. This waste stream will be generated from future activities in the Electrorefiner station in the ANL-W Fuel Cycle Facility.
WASTE STREAM SOURCE	This waste stream was generated at ANL-785, Fuel Cycle Facility (FCF): Nuclear fuel pyroprocessing.. The generating process is: Spent cadmium with impurities from the electrorefiner station at the Fuel Cycle Facility.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Cadmium will contaminate this waste. Concentrations will not be known until the waste is generated.
MANAGEMENT COMMENTS	Alpha Contamination. Remote Handled.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



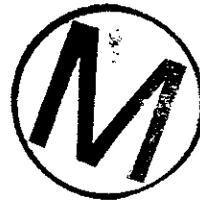


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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W020	Handling: RH	NMVP #: N/A	Stream Name: TRU-CD-HOT CELL WASTE	Inventory Date: 4/30/95
Local ID: CH-ANL-241T	Type: MTRU	Generator Site: AW	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg	Min	Max	Category:			
D006	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste		
	Cellulosics:	0.0	0.0	0.0			
	Rubber:	0.0	0.0	0.0			
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	526.0					
	Packaging Material Plastic:	26.0					
	Packaging Material Lead:	464.7					
	Packaging Material Steel Plug:	2145.1					



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Metal Box (.1cm)	0.1	0.0	0.0	0.0	0.0	0.1	RH Canister used to overpack 55 gallon drums	1.8	0.0	0.0	0.9	0.9	3.6
Metal Box (.59cm)	0.6	0.0	0.0	0.0	0.0	0.6	Totals	1.8	0.0	0.0	0.9	0.9	3.6
Totals	0.7	0.0	0.0	0.0	0.0	0.7							

As-Generated Form: Stored: 0.7 Projected: 0.0 Total: 0.7 Final Waste Form: Stored: 1.8 Projected: 1.8 Total: 3.6

WASTE STREAM DESCRIPTION	<p>This waste stream consisted of metallic cadmium, salts, and associated cleanup materials (paper towels and cloth rags). The waste is contaminated with activation and fission products as well as with plutonium. This waste stream is generated for Fuel Cycle Facility Demonstration support experiments; the analysis of fuels in the hot cells.</p> <p>Previous waste is stored in the Radioactive Scrap and Waste Facility in two liners. Future waste generation will be small because evaporation as part of the process will be done in the hot cell to minimize the volume.</p>
WASTE STREAM SOURCE	<p>This waste stream was generated at ANL-785, Hot Fuel Examination Facility (HFEF): Examinations conducted in the HFEF provide data that are essential for determining the performance of fuels and materials irradiated in the EBR-II Reactor. The generating process is: This waste stream is generated from Fuel Cycle Facility demonstration support experiments. Small scale test of equipment to be used in the FCF electrorefiner generated the waste.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The waste is generated from analytical analysis.
MANAGEMENT COMMENTS	Alpha Containment
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W021	Handling: RH	NMVP #: N/A	Stream Name: ELEMENT HARDWARE FCF WASTE	Inventory Date: 4/30/95
Local ID: CH-ANL-243T	Type: MTRU	Generator Site: AW	Final Waste Form: Lead/Cadmium Metal Waste	Waste Matrix Code: S3190

**AS-GENERATED
EPA CODES**

D006, D005, D003,
D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: R&D/R&D Laboratory Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

N/A



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.0	0.0	1.2	1.2	1.9	4.4	RH Canister used to overpack 55 gallon drums	0.0	0.0	1.8	1.8	2.7	6.2
Totals	0.0	0.0	1.2	1.2	1.9	4.4	Totals	0.0	0.0	1.8	1.8	2.7	6.2

As-Generated Form; Stored: 0.0 Projected: 4.4 Total: 4.4 Final Waste Form; Stored: 0.0 Projected: 6.2 Total: 6.2

WASTE STREAM DESCRIPTION	<p>This waste stream will consist of small pieces (< 60 mm in diameter) of stainless steel from nuclear fuel. This waste stream will be generated from the "Element Chopper" station at the ANL-W Fuel Cycled Facility. The fuel element ends may contain sodium and will be treated to remove sodium and stabilize cadmium.</p> <p>The plan for this waste stream (which has not been generated) is to either immobilize or recover the cadmium as a part of the waste processing phase of the project. This will meet the EPA disposal criteria for cadmium waste streams (FCF FSAR).</p>
WASTE STREAM SOURCE	<p>This waste stream was generated at ANL-765, Fuel Cycle Facility (FCF): Nuclear fuel pyroprocessing. The generating process is: The FCF Element Chopper station will cut off ends of irradiated nuclear fuel elements. The fuel will be removed, leaving stainless element cladding and plenum pieces.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Barium, cadmium, and sodium may contaminate this waste. Concentrations will not be known until the waste is generated.
MANAGEMENT COMMENTS	Alpha Contamination
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: AW-W022	Handling: RH	NMVP #: N/A	Stream Name: ELECTROREFINER INSOLUBLES W/ CADMIUM	Inventory Date: 4/30/95
Local ID: CH-ANL-246T	Type: MTRU	Generator Site: AW	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3119

**AS-GENERATED
EPA CODES**

0006

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	484.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste N/A N/A

Residues: No

Asbestos: No

PCBs: No

Source: R&D/R&D Laboratory Waste



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.0	0.0	0.0	0.0	0.6	0.6	RH Canister used to overpack 55 gallon drums	0.0	0.0	0.0	0.0	0.9	0.9
Totals	0.0	0.0	0.0	0.0	0.6	0.6	Totals	0.0	0.0	0.0	0.0	0.9	0.9

As-Generated Form: Stored: 0.0 Projected: 0.6 Total: 0.6 **Final Waste Form:** Stored: 0.0 Projected: 0.9 Total: 0.9

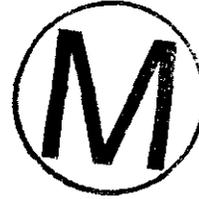
WASTE STREAM DESCRIPTION	<p>This waste stream consists of cadmium metal with other heavy metals & "noble" metals (they are not reactive in the FCF electrorefining process). This waste stream will be generated from the Electrorefiner station in the ANL-W Fuel Cycle Facility processes. This waste stream includes inorganic sludges/particulates.</p> <p>The plan for this waste stream (which has not been generated) is to either immobilize or recover the cadmium as a part of the waste processing phase of the project. This will meet the EPA disposal criteria for cadmium waste streams (FCF FSAR).</p>
WASTE STREAM SOURCE	<p>This waste stream was generated at ANL-785, Fuel Cycle Facility (FCF): Nuclear fuel pyroprocessing.. The generating process is: insoluble impurities are extracted from process salt compounds in the electrorefiner.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Cadmium will contaminate this waste. Concentrations will not be known until the waste is generated.
MANAGEMENT COMMENTS	Alpha Contamination
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 6.2.15.1.13 for the years.



BC

Battelle Columbus Laboratories





BATTELLE COLUMBUS LABORATORY

Location and Description

The Battelle Columbus Laboratory (BC) consists of two research complexes; one at 505 King Avenue in the city of Columbus, Ohio, and the second, the West Jefferson Site, in Madison County west of Columbus. The King Avenue facility houses corporate offices and general research laboratories. The West Jefferson site consists of a number of facilities formerly dedicated to nuclear research.

The King Avenue Facility is located in the western central portion of the city of Columbus. The 10-acre complex accommodates 21 buildings and is bounded on the north by King Avenue, on the east by Battelle Boulevard, on the south by Fifth Avenue, and on the west by the Olentangy River. The Columbus campus of Ohio State University lies immediately north across King Avenue. The remaining contiguous area is a moderately dense residential neighborhood.

The West Jefferson Site is located in West Jefferson, Ohio, approximately 24 kilometers west of the King Avenue Facility. The 1000-acre tract accommodates 21 buildings in the Engineering Area, Experimental Ecology Area, and Nuclear Services Area. The site boundary on the north is about one mile south of I-70, on the east is Big Darby Creek, on the south are the Conrail tracks, and on the west is the Georgeville-Plain City Road. The land to the north, west, and south for two miles is cleared farmland and/or woodlots.

Mission

The mission of Battelle in 1943 was to perform atomic energy research and development (R&D) activities for the Manhattan Engineering District. Since that time Battelle has continuously performed R&D at these facilities. Past programs have included uranium ore processing and benefaction studies, metallurgical and ceramic process development, corrosion studies, fabrication of weapons components, ballistics experiments, hot cell work, critical assembly and criticality experiments, and an experimental reactor.

Waste Information

Processes

The main DOE-sponsored work currently being done at BC is decontamination and decommissioning (D&D) of the contaminated buildings under the direction of the Battelle Columbus Laboratory Decommissioning Project (BCLDP).

Modifications/Assumptions/Development

Waste streams that are expected to be directly shipped to WIPP (upon WIPP-WAC certification) without any need for repackaging or treatment are reported as "currently stored" in final form volume. For waste streams that are currently stored but are projected to be repackaged and/or treated at a later date prior to their shipment to WIPP, are also reported as "currently stored." This is done in order to avoid the error of double-counting these streams as both "as generated currently stored" and "final form projected."

TRU WASTE BASELINE INVENTORY WASTE PROFILE

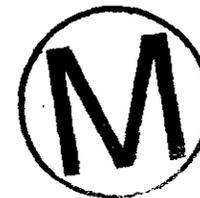
HQ ID: BC-T001	Handling: RH	NMVP #: N/A	Stream Name: RH/TRU RUBBLE/DEBRIS	Inventory Date:
Local ID:	Type: TRU	Generator Site: BC	Final Waste Form: Heterogeneous	Waste Matrix Code: S5400

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category: Defense TRU Waste	Unassigned	Isotope (Ci/m3)
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Residues:		Pu-238 2.90E-03
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		Co-60 3.00E+01
	Other Metals/Alloys: 0.0 0.0 0.0	PCBs: Unknown		Ce-134 5.80E-01
	Other Inorganic Material: 2000.0 0.0 0.0	Source: Remediation/D&D Waste		Ce-137 6.20E-01
	Vitrified: 0.0 0.0 0.0			I-129 2.40E-07
	Cellulosics: 0.0 0.0 0.0			Ce-144 4.70E+00
	Rubber: 0.0 0.0 0.0			Nb-95 4.70E+00
	Plastics: 0.0 0.0 0.0			Zr-95 3.00E+00
	Solidified Inorganic Material: 0.0 0.0 0.0			Pu-239 3.70E-04
	Solidified Organic Material: 0.0 0.0 0.0			Pu-240 4.80E-04
	Cement (solidified): 0.0 0.0 0.0			Pu-241 1.40E-01
	Soils: 0.0 0.0 0.0			Ru-106 4.80E+00
	Packaging Material Steel: 434.0			Sr-90 3.50E-01
	Packaging Material Plastic: 0.0			U-235 2.40E-07
	Packaging Material Lead: 484.7			U-238 1.70E-05
	Packaging Material Steel Plug: 2145.1			Kr-85 6.00E-02

WASTE VOLUME DETAIL (cu. meters)

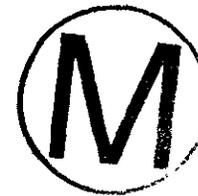
Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
RH Canister /	580.5	0.0	0.0	0.0	0.0	580.5	RH Canister	580.5	0.0	0.0	0.0	0.0	580.5
Totals	580.5	0.0	0.0	0.0	0.0	580.5	Totals	580.5	0.0	0.0	0.0	0.0	580.5

As-Generated Form: Stored: 580.5 Projected: 0.0 Total: 580.5 Final Waste Form: Stored: 580.5 Projected: 0.0 Total: 580.5



TWBIR ID: BC-T001

Appendix P



DOE/CAO-85-1121

WASTE STREAM DESCRIPTION	Heterogeneous Debris
WASTE STREAM SOURCE	\$ RHTRU \$ RUBBLE/DEBRIS WITH TRU
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	Process knowledge indicates the absence of Asbestos, PCBs, and RCRA contaminants. Laboratory analysis will need to be performed when this waste is generated to verify assumption.
MANAGEMENT COMMENTS	The generation of this D & D Wastestream is dependant on project funding, which is currently not in place.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	The number of containers currently in storage has not been packaged and is stored in Hot Cells. It is anticipated that this waste will be packaged into RH Canisters.

BT

Bettis Atomic Power Laboratory



BETTIS ATOMIC POWER LABORATORY

Location and Description

Bettis Atomic Power Laboratory (BT) is located on a 0.82 km² tract on a plateau above the Monogahela River in West Mifflin, Pennsylvania, about 13 km southeast of Pittsburgh. The Laboratory is operated for the DOE by the Westinghouse Electric Corporation. BT is a component of the Naval Nuclear Propulsion Program, and provides basic research and design support for naval nuclear propulsion reactors for Navy submarines. Laboratory operations include development and testing of nuclear fuel materials and reactor materials including radiochemical analyses.

Mission

The primary mission of BT is the design and testing of naval nuclear propulsion reactors and reactor components.

Waste Information

Processes

BT manages limited quantities of TRU waste, including RH inserts containing TRU irradiated fuel grinding fines and CH sources. BT is currently undergoing action to decontaminate large test components to below the TRU waste definition limits, thereby concentrating the TRU residuals into the smallest possible volume.

Modifications/Assumptions/Development

Waste streams that are expected to be directly shipped to WIPP (upon WIPP-WAC certification) without any need for repackaging or treatment are reported as "currently stored" in final form volume. For waste streams that are currently stored but are projected to be repackaged and/or treated at a later date prior to their shipment to WIPP, are also reported as "currently stored." This is done in order to avoid the error of double-counting these streams as both "as generated currently stored" and "final form projected."



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: BT-T001	Handling: RH	NMVP #: N/A	Stream Name: Irradiated TRU material waste	Inventory Date: 12/31/94
Local ID: BT-T001	Type: TRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	425.0	350.0	500.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	10.0	0.0	20.0
Rubber:	0.0	0.0	0.0
Plastics:	450.0	350.0	550.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

N/A

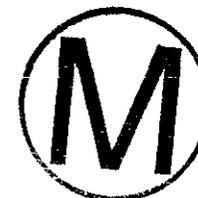
FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Y-90	1.05E+03
Sr-90	1.05E+03
Pu-238	5.00E+01
Pm-147	3.50E+02
Ni-63	1.50E+02
Kr-85	5.00E+01
Fe-55	5.00E+01
Eu-154	5.00E+01
Eu-152	5.00E+01
Ce-137	1.05E+03
Ce-134	5.00E+01
Co-60	5.00E+01
Ba-137m	1.00E+03

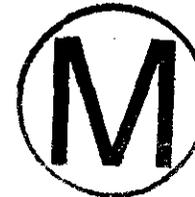
WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	0.0	0.8	0.6	0.1	0.0	1.6	RH Canister used to overpack 55 gallon drums	0.0	3.6	2.7	0.4	0.0	6.7
Totals	0.0	0.8	0.6	0.1	0.0	1.6	Totals	0.0	3.6	2.7	0.4	0.0	6.7

As-Generated Form: Stored: 0.0 Projected: 1.6 Total: 1.6 Final Waste Form: Stored: 0.0 Projected: 6.7 Total: 6.7



WASTE STREAM DESCRIPTION	Specimen processing fines, material, and debris.
WASTE STREAM SOURCE	Specimen processing fines, material, and debris resulting from operations involving destructive evaluations of irradiated fuel specimens.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	No regulated contaminants present in waste stream.
MANAGEMENT COMMENTS	Bettis is not a long-term storage facility. TRU will be shipped off-site as directed by DOE-HDQ.
ACCEPTANCE COMMENTS	Date date is 12/31/94.
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: BT-T002	Handling: CH	NMVP #: N/A	Stream Name: Contaminated Piping System	Inventory Date: 12/31/84
Local ID: BT-T002	Type: TRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: S5111

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	430.0	340.0	500.0	Defense TRU Waste	N/A	Y-90	1.10E+00
	Aluminum-base Metal/Alloys:	35.0	28.0	40.0	Residues: No		Sr-90	1.10E+00
	Other Metals/Alloys:	1.0	0.0	10.0	Asbestos: No		Pu-238	1.00E-01
	Other Inorganic Material:	1.0	0.0	5.0	PCBs: No		Pm-147	4.00E-01
	Vitrified:	0.0	0.0	0.0	Source: Remediation/D&D Waste		Ni-63	2.00E-01
	Cellulosics:	0.0	0.0	1.0			Kr-85	1.00E-01
	Rubber:	7.0	6.0	10.0			Fe-55	1.00E-01
	Plastics:	35.0	30.0	40.0			Eu-154	1.00E-01
	Solidified Inorganic Material:	0.0	0.0	0.0			Eu-152	1.00E-01
	Solidified Organic Material:	0.0	0.0	0.0			Cs-137	1.10E+00
	Cement (solidified):	0.0	0.0	0.0			Cs-134	1.00E-01
	Soils:	1.0	0.0	10.0			Co-60	1.00E-01
	Packaging Material Steel:	154.0					Ba-137m	1.10E+00
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

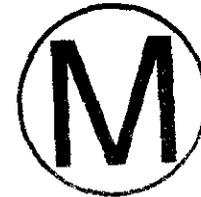


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Standard Waste Box /	0.0	0.0	11.3	3.8	0.0	15.1	Standard Waste Box	0.0	0.0	11.3	3.8	0.0	15.1
Totals	0.0	0.0	11.3	3.8	0.0	15.1	Totals	0.0	0.0	11.3	3.8	0.0	15.1

As-Generated Form: Stored: 0.0 Projected: 15.1 Total: 15.1 Final Waste Form: Stored: 0.0 Projected: 15.1 Total: 15.1

WASTE STREAM DESCRIPTION	Piping, pumps, tanks, and other metal items, and debris.
WASTE STREAM SOURCE	Piping, pumps, tanks, other metal items, and debris from shutdown of obsolete systems.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	No regulated contaminants present in waste stream.
MANAGEMENT COMMENTS	Bettis is not a long-term storage facility. TRU will be shipped off-site as directed by DOE-HDQ. No values are provided in 5.1.3 because the future generation will be after 1999.
ACCEPTANCE COMMENTS	Data date is 12/31/94.
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: BT-T003	Handling: CH	NMVP #: N/A	Stream Name: Unirradiated Alpha Contaminated Waste	Inventory Date: 12/31/94
Local ID: BT-T003	Type: TRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: S5111

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	285.0	200.0	700.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	18.0	11.0	40.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	8.0	5.0	20.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	154.0		
Packaging Material Plastic:	8.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: No
 PCBs: No
 Source: Remediation/D&D Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-233	9.70E-02
U-232	2.00E-03
Th-228	2.00E-03
Rn-220	2.00E-03
Ra-224	2.00E-03
Po-218	2.00E-03
Po-212	2.00E-03
Pb-212	2.00E-03
Bi-212	2.00E-03

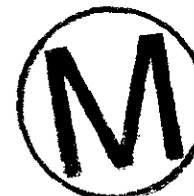


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Standard Waste Box /	0.0	43.5	64.3	0.0	0.0	107.7	Standard Waste Box	0.0	43.5	64.3	0.0	0.0	107.7
Totals	0.0	43.5	64.3	0.0	0.0	107.7	Totals	0.0	43.5	64.3	0.0	0.0	107.7

As-Generated Form: Stored: 0.0 Projected: 107.7 Total: 107.7 Final Waste Form: Stored: 0.0 Projected: 107.7 Total: 107.7

WASTE STREAM DESCRIPTION	Steel gloveboxes, ceramic and steel furnaces, steel presses, steel grinding machines, steel ventilation ducts, and HEPA filters.
WASTE STREAM SOURCE	Steel gloveboxes, ceramic and steel furnaces, steel presses, steel grinding machines, steel ventilation ducts, and HEPA filters from shutdown of obsolete systems.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	No regulated contaminants present in waste stream.
MANAGEMENT COMMENTS	Bettis is not a long-term storage facility. TRU will be shipped off-site as directed by DOE-HDQ.
ACCEPTANCE COMMENTS	Data date is 12/31/84.
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: BT-T004	Handling: CH	NMVP #: N/A	Stream Name: Americium-243 Source	Inventory Date: 12/31/94
Local ID: BT-T004	Type: TRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: Z1110

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	4.8	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: R&D/R&D Laboratory Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Np-239	3.20E+00
Am-243	3.20E+00



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	0.0	0.2	0.0	0.0	0.0	0.2	55 Gallon Drum	0.0	0.2	0.0	0.0	0.0	0.2
Totals	0.0	0.2	0.0	0.0	0.0	0.2	Totals	0.0	0.2	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.0 Projected: 0.2 Total: 0.2

Final Waste Form: Stored: 0.0 Projected: 0.2 Total: 0.2

WASTE STREAM DESCRIPTION	Americium-243 Source.
WASTE STREAM SOURCE	Americium-243 Source used as a standard.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	No regulated contaminants present in waste stream.
MANAGEMENT COMMENTS	Bettis is not a long-term storage facility. TRU will be shipped off-site as directed by DOE-HDQ.
ACCEPTANCE COMMENTS	Data date is 12/31/94.
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: BT-T005	Handling: CH	NMVP #: N/A	Stream Name: Californium-252 Source	Inventory Date: 12/31/94
Local ID: BT-T005	Type: TRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: S5111

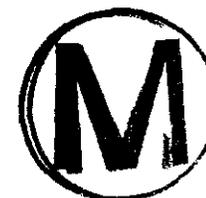
AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:	Residues:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	MFP	6.30E-01
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	No		Cm-248	4.30E-02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		Cf-252	1.00E+00
	Other Inorganic Material:	15.4	0.0	0.0	PCBs: No		Cf-251	9.00E-02
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste		Cf-250	5.60E+00
	Cellulosics:	0.0	0.0	0.0			Cf-249	3.50E-01
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						



Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	0.0	0.2	0.0	0.0	0.0	0.2	55 Gallon Drum	0.0	0.2	0.0	0.0	0.0	0.2
Totals	0.0	0.2	0.0	0.0	0.0	0.2	Totals	0.0	0.2	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.0 Projected: 0.2 Total: 0.2 Final Waste Form: Stored: 0.0 Projected: 0.2 Total: 0.2

WASTE STREAM DESCRIPTION	Californium-252 Source.
WASTE STREAM SOURCE	Californium-252 Source used as a standard.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	No regulated contaminants present in waste stream.
MANAGEMENT COMMENTS	Bettis is not a long-term storage facility. TRU will be shipped off-site as directed by DOE-HDQ.
ACCEPTANCE COMMENTS	Data date is 12/31/94.
FINAL FORM COMMENTS	N/A



ET

Energy Technology Engineering Center



ENERGY TECHNOLOGY ENGINEERING CENTER

Location and Description

Energy Technology Engineering Center (ET) occupies 90 acres of 290 acres of land shared with the Santa Susana Field Laboratory. The Santa Susana site is composed of a total of 2,700 acres located in the Simi Hills of Ventura County, approximately 48 kilometers northwest of downtown Los Angeles, California. Both DOE and the Rocketdyne Division of Rockwell International Corp. own facilities within this area. The Rockwell facilities include former fuel fabrication facilities, a hot cell, a reactor test building, a storage vault, an on-site transport cask, and other radiologically contaminated support laboratories and areas.

Mission

ET provides facilities for the testing of equipment, materials, and components for nuclear and other energy programs. Components include steam generators, pumps, valves, instrumentation, and other support elements for power plant design. Various types of testing include reliability, seismic, and performance demonstrations. Current activities include non-nuclear testing, and cleanup and environmental restoration from prior nuclear testing programs, such as decontamination and decommissioning of an NRC-licensed hot cell that was used for DOE activities.

Waste Information

Processes

ET TRU waste streams are CH waste comprised of absorbent materials plastics, rags, and other laboratory disposal solids. A second waste stream of similar composition was generated during DOE fuel decladding and decontamination and decommissioning operations. The second waste stream includes a small quantity of lead.

Modifications/Assumptions/Development

Waste streams that are expected to be directly shipped to WIPP (upon WIPP-WAC certification) without any need for repackaging or treatment are reported as "currently stored" in final form volume. For waste streams that are currently stored but are projected to be repackaged and/or treated at a later date prior to their shipment to WIPP, are also reported as "currently stored." This is done in order to avoid the error of double-counting these streams as both "as generated currently stored" and "final form projected."



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: ET-W002	Handling: RH	NMVP #: NA	Stream Name: Hot Lab & PU Facility D&D	Inventory Date: 4/15/95
Local ID: ET	Type: MTRU	Generator Site: ET	Final Waste Form: Lead/Cadmium Metal Waste	Waste Matrix Code: S5112

AS-GENERATED EPA CODES **WASTE MATERIAL PARAMETERS (kg/m3)** **FINAL WASTE FORM DESCRIPTORS** **TRUCON CODE** **FINAL FORM RADIONUCLIDES**

D008	Iron-base Metal/Alloys:	Avg: 0.0	Min: 0.0	Max: 0.0	Category: Defense TRU Waste Residues: No Asbestos: No PCBs: No Source: Facility/Equipment Operation and Maintenance Waste	N/A	Isotope (Ci/m3)	
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0			Sr-90	1.00E+00
	Other Metals/Alloys:	0.0	0.0	0.0			Pu-242	1.50E-04
	Other Inorganic Material:	0.0	0.0	0.0			Pu-241	3.50E+01
	Vitrified:	0.0	0.0	0.0			Pu-240	2.60E+00
	Cellulosics:	0.0	0.0	0.0			Pu-239	7.60E+00
	Rubber:	0.0	0.0	0.0			Pu-238	4.60E-01
	Plastics:	0.0	0.0	0.0			Ce-137	1.10E+00
	Solidified Inorganic Material:	0.0	0.0	0.0			Am-241	1.90E+00
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	0.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
Packaging Material Steel Plug:	0.0							



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	0.2	0.0	0.0	0.0	0.0	0.2	RH Canister used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	Generated after DOE fuel decladding operations and the clean-up of facilities. Waste consists of a single 85-lb lead brick with surface transuranic contamination with other lead shielding and other waste (metals, filter, vermiculite and trash). Radiological contamination includes fission (Cs-137, Sr-90) and TRU (Pu-238/242, Am-241). The waste was packaged to the 1989 Idaho WIPP criteria in a single 55-gal drum. Waste stream is no longer generated.
WASTE STREAM SOURCE	Clean-up of Hot Lab at end of operations and before start of D&D activities.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The drum contains a lead brick and other lead shielding, all radiologically contaminated, based on process knowledge and X-ray examination of the drum. There is no CPC Code. Section 3.4.5 should be provided with selection option of: "NONE"
MANAGEMENT COMMENTS	This W.S. was packaged to Idaho WIPP 1989 criteria. Options are being considered for removal of the lead brick and lead shielding from the drum. However, ETEC has no longer the capability (hot cell or glove box) to package TRU contaminated materials.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	This W.S. and other was originally packaged and certified in 1989 to Idaho WIPP by INL personnel under contract to ETEC. Some of this waste was shipped to Idaho in 1989, the remainder (this W.S. and W.S. ET-W027) is currently stored at ETEC pending DOE disposition. ETEC is not certified to package waste to WIPP criteria and has no hot cell/glove box capability to handle such waste. Therefore Sections 6.2.7, 6.2.8, 6.2.14.1.13, 6.2.14.1.14 are left incomplete.



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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: ET-W027	Handling: CH	NMVP #: NA	Stream Name: Hot Lab & PU Facility D&D	Inventory Date: 4/15/95
Local ID: ET	Type: TRU	Generator Site: ET	Final Waste Form: Heterogeneous	Waste Matrix Code: Z2000

**AS-GENERATED
EPA CODES**
N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	0.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE
Unassigned

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-234	2.00E-04
Sr-90	8.50E-03
Pu-241	5.00E-01
Pu-240	2.00E-02
Pu-239	8.00E-02
Pu-238	1.20E-02
Ce-137	8.50E-03
Am-241	1.50E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum / 55-gallon	1.7	0.0	0.0	0.0	0.0	1.7	55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7
Totals	1.7	0.0	0.0	0.0	0.0	1.7	Totals	1.7	0.0	0.0	0.0	0.0	1.7

As-Generated Form: Stored: 1.7 Projected: 0.0 Total: 1.7
 Final Waste Form: Stored: 1.7 Projected: 0.0 Total: 1.7

WASTE STREAM DESCRIPTION	Generated after DOE fuel decladding operations and the clean-up of facilities. Waste include soft trash (paper, plastic, rubber), small lab equipment, filters, metal item, vermiculite, solidified oil. Radiological contamination includes fission (Cs-137, Sr-90) and TRU (Pu-238/242, Am-241). The waste was packaged to the 1989 Idaho WIPP criteria in a single 55-gal drum. Waste stream is no longer generated.
WASTE STREAM SOURCE	Wastes generated from the clean-up of the Plutonium Facility (Bldg 55) and the Hot Lab (Bldg 20) at the end of operations, but before any D&D activities.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The radiological contamination is based on process knowledge and analysis of the packaged waste. There is no CPC Code. Section 3.4.5 should be provided with selection option of : "NONE"
MANAGEMENT COMMENTS	This W.S. was packaged to Idaho WIPP 1989 criteria. Options for shipping the waste to a suitable site are being considered by DOE.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	This W.S. and other was originally packaged and certified in 1989 to Idaho WIPP by INL personnel under contract to ETEC. Some of this waste was shipped to Idaho in 1989, the remainder (this W.S. and W.S. ET-W002) is currently stored at ETEC pending DOE disposition. ETEC is not certified to package waste to WIPP criteria and has no hot cell/glove box capability to handle such waste. Therefore Sections 8.2.7, 8.2.8, 8.2.14.1.13, 8.2.14.1.14 are left incomplete.



IN

Idaho National Engineering Laboratory





IDAHO NATIONAL ENGINEERING LABORATORY

Location and Description

The Idaho National Engineering Laboratory (IN) is located in two primary areas: (1) the remote areas known as "the Site" along the northern edge of the Snake River Plain in southeastern Idaho, and (2) multiple locations southeast of the Site in the City of Idaho Falls. Lying at the foot of the Lost River, Lemhi, and Bitterroot-Centennial Mountain ranges, the Site covers nearly 2300 square kilometers (890 mi²) of dry, cool desert. Most of the land withdrawn from public domain for use by the U.S. Department of Energy (DOE) is undeveloped. The facilities located in Idaho Falls include administrative, scientific support, and non-nuclear research laboratories.

During World War II, the U.S. Navy and U.S. Army Air Corps used a portion of the present Site as a gunnery range. In 1949, the Site was formally established as the National Reactor Testing Station (NRTS), a place where the Atomic Energy Commission (AEC) could build, test, and operate various types of nuclear reactors. Fifty-two reactors have been built at the INEL; of these, seven are operating or operable.

The Radioactive Waste Management Complex (RWMC) encompasses 144 acres in the southwestern corner of the INEL. The RWMC was established in 1952 as a controlled area for burial of solid radioactive wastes generated by INEL operations. In 1954, the burial ground was designated as a solid transuranic (TRU) waste disposal site. Until 1970, all TRU was buried below grade at the RWMC. In November 1970, the Transuranic Storage Area (TSA) was established for retrievable storage of waste contaminated with greater than 10 nanocuries (nCi) of TRU alpha activity per gram of waste. In November 1976, the Intermediate Level TRU Storage Facility (ILTSF) was established for retrievable storage of remote-handled (RH) TRU contaminated waste (greater than 200 millirem per hour). At the ILTSF the radioactive waste is stored in abovegrade vaults.

The DOE/Idaho Operations Office administers the INEL excluding Argonne National Laboratory-West. The current operator for the majority of the facilities is Lockheed Martin Idaho Technologies.

Mission

The INEL is a multiprogram laboratory and has provided innovative technologies, defense-related support and unique scientific and engineering capabilities to the nation. At present, areas of primary emphasis include nuclear reactor technology research and development, waste management and environmental restoration, advanced energy production and utilization technology development, defense-related support, technology transfer, and non-nuclear research and development projects. Development, transfer, and deployment of technologies to avoid and/or dispose of hazardous and/or radioactive waste and for remediation/restoration of previous disposal sites to protect the public, employees, and environment are also part of INEL's mission.



Waste Information

Processes

Solid TRU waste generated in national defense programs and research activities was buried or stored at the RWMC. This TRU waste typically includes cloth, paper, plastics, metals, rubber, sludge, and concrete. TRU waste received at the INEL from November 1970 through July 1980 was placed on asphalt pads and covered with an earthen-cover to protect the waste from the environment until it could be permanently disposed. Waste received after this timeframe was placed in air-supported buildings for interim storage.

The Stored Waste Examination Pilot Plant (SWEPP) was constructed in 1984 and provides a facility for the nondestructive examination and assay (NDE/NDA) of TRU-contaminated wastes. The facility operated at production levels (5,000 drums per year) from August 1985 through September 1989. In 1989, the facility was placed in standby due to the change in the Waste Isolation Pilot Plant (WIPP) Waste Acceptance Criteria (WAC). The WAC requirements were changed in 1989 to include the requirements of the Transuranic Package Transport (TRUPACT-II). The facility has remained in standby condition with the exception of the waste required to support the WIPP Waste Characterization Program.

The TSA Retrieval Enclosure (RE) is being constructed over the top of the earthen-covered waste and will allow year-round retrieval operations. The facility is expected to be completed in fiscal year 1997. Retrieval rates for the facility are expected to be 20,000 drum equivalents (DE) per year. Retrieval of all earthen-covered waste in the TSA is expected to be completed between 2010 and 2014.

In 2003, all INEL TRU-contaminated waste in storage is expected to be treated at the Advanced Mixed Waste Treatment Facility for disposal at WIPP. The processing rate for the facility is expected to be approximately 5,000 m³ per year with a volume reduction of about 65%.

Due to the Spent Nuclear Fuel Settlement Agreement which was signed with the State of Idaho, DOE has agreed to ship 3,100 m³ (15,000 DE) of untreated waste from the INEL by 12/31/2002. After 1/01/2003, the INEL is required to ship a running average of 2,000 m³ of stored inventory per year. All TRU waste stored at the INEL is required to be out of the state no later than 12/31/2018.

Notes on the INEL Reporting Format

The INEL data submittal did not provide any information on the type and number of currently stored containers for each waste stream reported in the TWBIR Rev. 2. The only information about stored containers included in the site submittal was the type and the total number of containers for each *unsegregated* waste stream as it currently exists at the site. In general, for the purposes of reporting for the Rev. 2 data submittal, each of the *unsegregated* streams have been segregated by INEL into two or more sub-streams to be shipped to WIPP. As a result, there has been a substantial increase in the number of streams reported for TWBIR Rev. 2 as compared to TWBIR Rev. 1.



The first basis for segregation into sub-streams is whether the unsegregated waste stream contains a mixture of CH-TRU and RH-TRU waste, followed by whether it requires repackaging or treatment prior to shipment to WIPP, or whether there is a portion of it that can be certified and shipped directly without any need for either repackaging or treatment. The site nomenclature for an unsegregated waste stream is **IN-WXYZ**, whereas the nomenclature for any sub-streams resulting from this unsegregated stream is of the format **IN-WXYZ.ABC** etc. The fraction of the original unsegregated waste stream that is included in each sub-stream reported in the TWBIR Rev. 2 is stated under the Waste Stream Source description in each INEL waste stream profile. The Waste Stream Source description for a sub-stream also includes the phrases "Direct-ship" (i.e., it is certifiable and planned to be directly shipped to WIPP), "Cert-repack" (i.e., it will be certifiable upon repackaging) and "Uncertifiable" which refers to those sub-streams that will require treatment in order to become certifiable to the WIPP-WAC.

Notes on As-generated Containers

Since INEL did not submit any break-up of as-generated containers on a TWBIR sub-stream basis, this information has been derived (with the site's permission) from the percentages reported for each sub-stream in the Waste Stream Source description. For unsegregated waste streams with very small volumes (e.g., 1 to 10 drums), it was not always possible to precisely match the percentages reported in the source descriptions and allocate as-generated containers to each sub-stream. In such cases, the number of as-generated containers has been rounded off to the nearest integer. The as-generated volume of waste has been calculated using the same assumptions that have been used by the site, which is 0.212 m³ for all drums, 3.17 m³ for all boxes, 3.5 m³ for all bins, and 0.212 m³ for all inserts. However, for final waste form containers to be shipped to WIPP, the site assumed 0.208 m³ as the volume of a 55-gallon drum. Because of the different assumptions for the volume of a drum between the as-generated waste and the final waste form, there may be minor discrepancies in the waste stream profiles for sub-streams that can be certified and shipped to WIPP without any repackaging or treatment.

Notes on Waste Material Parameters

INEL did not submit any waste material parameter data as part of the TWBIR Rev. 2 data submittal. Based on consultation and agreement with site representative(s), the TWBIR team has matched the waste streams reported in the Rev. 2 data submittal with their counterparts in Rev. 1 and thus assigned waste material parameters for each stream wherever possible.

Notes on the Final Waste Form Volume

Except for the waste streams that are expected to be directly shipped (upon WIPP-WAC certification) without any need for repackaging or treatment, no other waste streams are currently stored in final form. The uncertifiable streams are projected to be repackaged or treated at the site *at a later date*, as required, in order to be certifiable to the WIPP-WAC prior to their shipment to WIPP. However, for the purpose of reporting on the waste stream profiles, these uncertifiable streams are presented as "currently stored" in final form in order to avoid the error of double-counting these streams as both "currently stored" and "projected".



Notes on Waste Stream Description

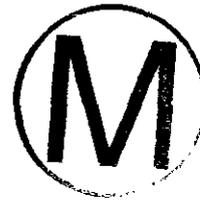
The waste stream description applies only to the unsegregated waste stream and is therefore the same for all sub-streams that originate from a given unsegregated waste stream.

Notes on Handling Characteristics of Final Waste Form Containers

The handling characteristics (i.e., CH versus RH) of some of the waste streams may seem inconsistent with the waste stream description. This is because the handling (CH or RH) reflects the *expected* characteristics of the stream after it is repackaged or treated to meet the WIPP-WAC, whereas the waste stream description applies only to the unsegregated waste stream prior to any repackaging or treatment. All *apparent* discrepancies noted in the handling characteristics of a waste stream were brought to the site's attention during the BIR data review process, and the INEL site representative confirmed that the *expected* characteristics of the final form is what is presented in the data submittal.

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TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W139	Handling: CH	NMVP #: N/A	Stream Name: TRANSURANIC CONTAMINATED LEAD DEBRIS	Inventory Date:
Local ID: ID-INL-142T	Type: MTRU	Generator Site: IN	Final Waste Form: Heterogeneous	Waste Matrix Code: S5400

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Am-241	2.08E+00
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues:	No		
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos:	Unknown		
	Other Inorganic Material:	0.0	0.0	0.0	PCBs:	No		
	Vitrified:	0.0	0.0	0.0	Source:	Remediation/D&D Waste		
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	0.0	0.0	0.0	0.0	0.0	0.0	55 Gallon Drum	12.3	0.0	0.0	0.0	0.0	12.3
Drum	0.8	0.0	0.0	0.0	0.0	0.8	Totals	12.3	0.0	0.0	0.0	0.0	12.3
Totals	0.8	0.0	0.0	0.0	0.0	0.8							

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8 Final Waste Form: Stored: 12.3 Projected: 0.0 Total: 12.3

WASTE STREAM DESCRIPTION

In 1983, EAD Metallurgical, Inc. of New York state, a NRC licensee, sold to a company in Mexico the workings of a smoke detector factory. Included in the contract was an agreement that the seller would assemble the plant in Mexico and train the owner/operator. After the materials were received in Mexico, the original owner refused to fulfill contractual obligations, which originated legal proceedings that eventually failed. Escalation of the problem through normal channels finally involved the governments of the two nations which concluded in the DOE assuming ownership of the material in 1986. After government negotiations, DOE-ID was instructed by DOE-HQ to retrieve the material. The material, declared as defense waste, is now stored at the INEL.

The waste is TRU waste from the workings of a smoke detector factory and includes clothing, metals, and contaminated process equipment.

The waste is a mixed waste that contains miscellaneous lead shielding, lead pigs, and lead sheeting throughout the waste.

WASTE STREAM SOURCE

This waste stream was generated at Mexico - Smoke detector factory: Manufacturing. The generating process is: Manufacturing of smoke detectors.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS N/A

MANAGEMENT COMMENTS TRU

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

AS-GENERATED EPA CODES

D011, D009, D008, D007, D006

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	394.2	173.1	528.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	399.0	173.1	528.8
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Remediation/D&D Waste

TRUCON CODE: N/A



FINAL FORM RADIONUCLIDES

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

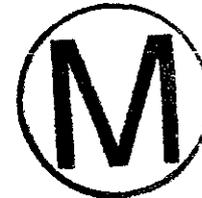
WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.1	0.0	0.0	0.0	0.0	2.1	55 Gallon Drum	2.3	0.0	0.0	0.0	0.0	2.3
Totals	2.1	0.0	0.0	0.0	0.0	2.1	Totals	2.3	0.0	0.0	0.0	0.0	2.3

As-Generated Form: Stored: 2.1 Projected: 0.0 Total: 2.1

Final Waste Form: Stored: 2.3 Projected: 0.0 Total: 2.3

WASTE STREAM DESCRIPTION	The waste stream was sludge generated from four catch tanks that were removed from service. The sludge was generated from activity in the TRA Hot Cell and the TRA Chemistry Laboratories. This was generated only "one time."
WASTE STREAM SOURCE	This waste stream was generated at TRA, TRA-730 MTR Catch Tanks: Tanks collect waste from laboratories and the TRA Hot Cells.. The generating process is: Laboratory and Hot Cell operations.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	High uncertainty.
MANAGEMENT COMMENTS	Contact radiation readings range from 800 mR/hr to 5000 mR/hr.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W157	Handling: CH	NMVP #: N/A	Stream Name: SPECIAL SETUPS (CEMENT): Direct Ship	Inventory Date:
Local ID: ID-RFO-004T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3150

**AS-GENERATED
EPA CODES**
APP8, F003, F002,
F001, D008, D006,
D002

WASTE MATERIAL PARAMETERS (kg/m3)	Avg Min Max		
	Iron-base Metal/Alloys:	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	23.8	0.0	287.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	462.0	273.9	718.9
Cement (solidified):	308.0	182.6	479.3
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.9		
Packaging Material Plastic:	32.9		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	
Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE
213

FINAL FORM RADIONUCLIDES	
Isotope (Ci/m3)	
Pu-242	1.50E-05
Pu-241	5.54E+00
Pu-240	2.08E-01
Pu-239	9.17E-01
Pu-238	3.24E-02
Am-241	1.53E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	44.7	0.0	0.0	0.0	0.0	44.7
Totals	44.7	0.0	0.0	0.0	0.0	44.7

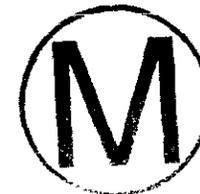
Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	39.5	0.0	0.0	0.0	0.0	39.5
SWB used to overpack 55 gallon drums	10.4	0.0	0.0	0.0	0.0	10.4
Totals	49.9	0.0	0.0	0.0	0.0	49.9

As-Generated Form: Stored: 44.7 Projected: 0.0 Total: 44.7

Final Waste Form: Stored: 49.9 Projected: 0.0 Total: 49.9



WASTE STREAM DESCRIPTION	<p>This waste, generated at Rocky Flats Plant, consists of liquids absorbed on a cement mixture. The liquid wastes are not compatible with aqueous treatment processes and are handled separately due to their plutonium complexing nature.</p> <p>The majority of complexing chemical wastes are generated by various operations at Building 771, Plutonium Recovery operations. All waste are processed by aqueous waste treatment, building 774. The complexing chemicals include some alcohols, organic acids, and versenes (trademark for a series of chelating agents based on EDTA). All liquids are analyzed or assayed prior to release to Building 774 for treatment. Only below-discard contaminated wastes are released for processing. Above discard contaminated wastes are processed by plutonium recovery operations.</p> <p>The cement mixture used for absorbing complexing liquid wastes is composed of approximately 190 lb of Portland cement and 50 lb of pipe insulation cement, such as magnesia cement. The cements are placed in a prepared 55-gallon drum; the drum is then placed on a drum roller and rolled to ensure mixing of the cements. All liquid wastes are made basic prior to adding them to the cement mixture. Approximately 100 liters of liquid waste is then poured on the cement mixture and allowed to solidify. Approximately 10 to 15 lb of portland cement is then added on top of the cemented liquid waste before the o-ring bag is removed from the glovebox.</p> <p>Since 1972, drums have been inspected for free liquids, proper packaging, and the use of proper content code. One to two quarts of oil-dri was placed on top of the outer, sealed polyethylene drum bag after inspection. In 1982, vermiculite replaced oil-dri to fill the remaining space between the outer, sealed polyethylene drum bag and the top of the rigid liner.</p> <p>Some drums may be filled with the empty polyethylene bottles used to transport the liquid waste to Building 774. A small amount of portland cement is added to each bottle before placement in a drum.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (19.72%) of the MWIR waste stream, [SPECIAL SETUPS (CEMENT)] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W157, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W157	Handling: CH	NMVP #: N/A	Stream Name: SPECIAL SETUPS (CEMENT): Cert-repack	Inventory Date:
Local ID: ID-RFO-004T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3150

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F003, F002, F001, D008, D006, D002
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	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	26.9	0.0	325.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	523.2	310.2	814.2
Cement (solidified):	348.8	206.8	542.8
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE

213

FINAL FORM RADIONUCLIDES

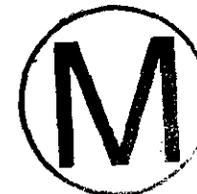
Isotope (Ci/m3)	
Pu-242	1.50E-05
Pu-241	5.54E+00
Pu-240	2.08E-01
Pu-239	9.17E-01
Pu-238	3.24E-02
Am-241	1.53E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	3.2	0.0	0.0	0.0	0.0	3.2	55 Gallon Drum	163.7	0.0	0.0	0.0	0.0	163.7
Drum	160.5	0.0	0.0	0.0	0.0	160.5	Totals	163.7	0.0	0.0	0.0	0.0	163.7
Totals	163.7	0.0	0.0	0.0	0.0	163.7							

As-Generated Form: Stored: 163.7 Projected: 0.0 Total: 163.7 **Final Waste Form:** Stored: 163.7 Projected: 0.0 Total: 163.7





WASTE STREAM DESCRIPTION	<p>This waste, generated at Rocky Flats Plant, consists of liquids absorbed on a cement mixture. The liquid wastes are not compatible with aqueous treatment processes and are handled separately due to their plutonium complexing nature.</p> <p>The majority of complexing chemical wastes are generated by various operations at Building 771, Plutonium Recovery operations. All waste are processed by aqueous waste treatment, building 774. The complexing chemicals include some alcohols, organic acids, and versenes (trademark for a series of chelating agents based on EDTA). All liquids are analyzed or assayed prior to release to Building 774 for treatment. Only below-discard contaminated wastes are released for processing. Above discard contaminated wastes are processed by plutonium recovery operations.</p> <p>The cement mixture used for absorbing complexing liquid wastes is composed of approximately 190 lb of Portland cement and 50 lb of pipe Insulation cement, such as magnesia cement. The cements are placed in a prepared 55-gallon drum; the drum is then placed on a drum roller and rolled to ensure mixing of the cements. All liquid wastes are made basic prior to adding them to the cement mixture. Approximately 100 liters of liquid waste is then poured on the cement mixture and allowed to solidify. Approximately 10 to 15 lb of portland cement is then added on top of the cemented liquid waste before the o-ring bag is removed from the glovebox.</p> <p>Since 1972, drums have been inspected for free liquids, proper packaging, and the use of proper content code. One to two quarts of oil-dri was placed on top of the outer, sealed polyethylene drum bag after inspection. In 1982, vermiculite replaced oil-dri to fill the remaining space between the outer, sealed polyethylene drum bag and the top of the rigid liner.</p> <p>Some drums may be filled with the empty polyethylene bottles used to transport the liquid waste to Building 774. A small amount of portland cement is added to each bottle before placement in a drum.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (72.11%) of the MWIR waste stream, [SPECIAL SETUPS (CEMENT)] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W157, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W157	Handling: CH	NMVP #: N/A	Stream Name: SPECIAL SETUPS (CEMENT):Uncertifiable	Inventory Date:
Local ID: ID-RFO-004T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3150

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D008, D006, D002
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.99E-05
Pu-241	1.11E+01
Pu-240	4.16E-01
Pu-239	1.83E+00
Pu-238	6.48E-02
Am-241	3.07E-01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	18.4	0.0	0.0	0.0	0.0	18.4
Totals	18.4	0.0	0.0	0.0	0.0	18.4

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	9.4	0.0	0.0	0.0	0.0	9.4
Totals	9.4	0.0	0.0	0.0	0.0	9.4

As-Generated Form: Stored: 18.4 Projected: 0.0 Total: 18.4

Final Waste Form: Stored: 9.4 Projected: 0.0 Total: 9.4



WASTE STREAM DESCRIPTION



This waste, generated at Rocky Flats Plant, consists of liquids absorbed on a cement mixture. The liquid wastes are not compatible with aqueous treatment processes and are handled separately due to their plutonium complexing nature.

The majority of complexing chemical wastes are generated by various operations at Building 771, Plutonium Recovery operations. All waste are processed by aqueous waste treatment, building 774. The complexing chemicals include some alcohols, organic acids, and versenes (trademark for a series of chelating agents based on EDTA). All liquids are analyzed or assayed prior to release to Building 774 for treatment. Only below-discard contaminated wastes are released for processing. Above discard contaminated wastes are processed by plutonium recovery operations.

The cement mixture used for absorbing complexing liquid wastes is composed of approximately 190 lb of Portland cement and 50 lb of pipe insulation cement, such as magnesia cement. The cements are placed in a prepared 55-gallon drum; the drum is then placed on a drum roller and rolled to ensure mixing of the cements. All liquid wastes are made basic prior to adding them to the cement mixture. Approximately 100 liters of liquid waste is then poured on the cement mixture and allowed to solidify. Approximately 10 to 15 lb of portland cement is then added on top of the cemented liquid waste before the o-ring bag is removed from the glovebox.

Since 1972, drums have been inspected for free liquids, proper packaging, and the use of proper content code. One to two quarts of oil-dri was placed on top of the outer, sealed polyethylene drum bag after inspection. In 1982, vermiculite replaced oil-dri to fill the remaining space between the outer, sealed polyethylene drum bag and the top of the rigid liner.

Some drums may be filled with the empty polyethylene bottles used to transport the liquid waste to Building 774. A small amount of portland cement is added to each bottle before placement in a drum.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (8.17%) of the MWIR waste stream, [SPECIAL SETUPS (CEMENT)] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W157, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W159	Handling: CH	NMVP #: N/A	Stream Name: EVAPORATOR AND DISSOLVER SLUDGE: Direct Ship	Inventory Date:
Local ID: ID-MDO-811T	Type: MTRU	Generator Site: MD	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3125

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
APP8, D009, D001

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste N/A

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

Isotope (Ci/m3)	
Pu-239	5.85E+00
Pu-238	7.88E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: Projected: Total: Final Waste Form: Stored: Projected: Total:



WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, consists of dry evaporator and dissolver sludge and insoluble residue. The consistency ranges from powder to sand-like particles. Limited amounts of other noncombustible wastes including Content Codes 803, 805, 810, 813, 814, 826, and 832 may be included. A few containers may have limited amounts of beryllium-contaminated wastes including glass, paper, gloves, and sample precipitates.

There is a potential for and lack of information on fines. In addition the drums may contain free liquids. The expected organic content in the drums is less than 14lb/R3. No explosive, pyrophoric, or corrosive materials should be in the waste.

After removal from the bottom of dissolver pots, the dried sludge is rinsed with nitric acid and dried on a hotplate. Dried sludges are packaged in 1/2-gallon metal cans and sealed in a PE bag, or else packed in 1/2-gallon plastic-coated cardboard cartons and sealed in a PE bag. Each container is assayed and placed in PVC or PE sleeve bags. Sleeve bags can hold up to 5 containers per bag. Up to 8 sleeve bags are placed in each prepared 55-gallon drum. Drums are prepared according to post-1972 procedures, with plywood spacers as needed between on top of the rigid drum liner lid.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [EVAPORATOR AND DISSOLVER SLUDGE] after processing. The proposed processing sequence is [SWEPP:seggk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W159, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. D009 will not be applicable to this waste stream after cartons of liquid mercury are removed.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W159	Handling: CH	NMVP #: N/A	Stream Name: EVAPORATOR AND DISSOLVER SLUDGE:Uncert-Mercury	Inventory Date:
Local ID: ID-MDO-811T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3125

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																				
APP8, D009, D001	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	0.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: No PCBs: No Source: Pollution Control or Waste Treatment Process	N/A	Isotope (Ci/m3) Pu-239 1.95E+00 Pu-238 2.63E+02
	Avg	Min	Max																																																																					
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Aluminum-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Other Metals/Alloys:	0.0	0.0	0.0																																																																					
Other Inorganic Material:	0.0	0.0	0.0																																																																					
Vitrified:	0.0	0.0	0.0																																																																					
Cellulosics:	0.0	0.0	0.0																																																																					
Rubber:	0.0	0.0	0.0																																																																					
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Solidified Inorganic Material:	0.0	0.0	0.0																																																																					
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Packaging Material Steel Plug:	0.0																																																																							

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2





WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, consists of dry evaporator and dissolver sludge and insoluble residue. The consistency ranges from powder to sand-like particles. Limited amounts of other noncombustible wastes including Content Codes 803, 805, 810, 813, 814, 826, and 832 may be included. A few containers may have limited amounts of beryllium-contaminated wastes including glass, paper, gloves, and sample precipitates.</p> <p>There is a potential for and lack of information on fines. In addition the drums may contain free liquids. The expected organic content in the drums is less than 14lb/ft3. No explosive, pyrophoric, or corrosive materials should be in the waste.</p> <p>After removal from the bottom of dissolver pots, the dried sludge is rinsed with nitric acid and dried on a hotplate. Dried sludges are packaged in 1/2-gallon metal cans and sealed in a PE bag, or else packed in 1/2-gallon plastic-coated cardboard cartons and sealed in a PE bag. Each container is assayed and placed in PVC or PE sleeve bags. Sleeve bags can hold up to 5 containers per bag. Up to 8 sleeve bags are placed in each prepared 55-gallon drum. Drums are prepared according to post-1972 procedures, with plywood spacers as needed between on top of the rigid drum liner lid.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncert-Mercury] portion (.27%) of the MWIR waste stream, [EVAPORATOR AND DISSOLVER SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W159, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. D009 will not be applicable to this waste stream after cartons of liquid mercury are removed.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W159	Handling: CH	NMVP #: N/A	Stream Name: EVAPORATOR AND DISSOLVER SLUDGE:Uncert-Other	Inventory Date:
Local ID: ID-MDO-811T	Type: MTRU	Generator Site: MO	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3125

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
APP8, D009, D001

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	1.17E+01
Pu-238	1.58E+03

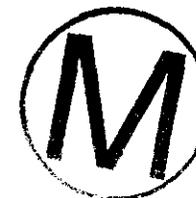


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, consists of dry evaporator and dissolver sludge and insoluble residue. The consistency ranges from powder to sand-like particles. Limited amounts of other noncombustible wastes including Content Codes 803, 805, 810, 813, 814, 826, and 832 may be included. A few containers may have limited amounts of beryllium-contaminated wastes including glass, paper, gloves, and sample precipitates.</p> <p>There is a potential for and lack of information on fines. In addition the drums may contain free liquids. The expected organic content in the drums is less than 14lb/ft³. No explosive, pyrophoric, or corrosive materials should be in the waste.</p> <p>After removal from the bottom of dissolver pots, the dried sludge is rinsed with nitric acid and dried on a hotplate. Dried sludges are packaged in 1/2-gallon metal cans and sealed in a PE bag, or else packed in 1/2-gallon plastic-coated cardboard cartons and sealed in a PE bag. Each container is assayed and placed in PVC or PE sleeve bags. Sleeve bags can hold up to 5 containers per bag. Up to 8 sleeve bags are placed in each prepared 55-gallon drum. Drums are prepared according to post-1972 procedures, with plywood spacers as needed between on top of the rigid drum liner lid.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncert-Other] portion (79.73%) of the MWIR waste stream, [EVAPORATOR AND DISSOLVER SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W159, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	<p>The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. D009 will not be applicable to this waste stream after cartons of liquid mercury are removed.</p>
MANAGEMENT COMMENTS	<p>Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.</p>
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W161	Handling: CH	NMVP #: 122	Stream Name: FIREBRICK: Cert-repack	Inventory Date:
Local ID: ID-RFO-371T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5123

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max			Isotope (Ci/m3)
APP8, F002, F001	Iron-base Metal/Alloys: 0.0 0.0 0.0	Category: Defense TRU Waste	122, 222	U-235 2.60E-07
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		Pu-242 6.59E-05
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		Pu-241 2.44E+01
	Other Inorganic Material: 441.0 111.0 880.0	PCBs: No		Pu-240 9.16E-01
	Vitrified: 0.0 0.0 0.0	Source: Other/Multiple Sources		Pu-239 4.04E+00
	Cellulosics: 21.0 26.2 52.4			Pu-238 1.43E-01
	Rubber: 0.0 0.0 0.0			Am-241 4.81E-02
	Plastics: 20.8 11.3 37.2			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 37.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	41.2	0.0	0.0	0.0	0.0	41.2	55 Gallon Drum	97.6	0.0	0.0	0.0	0.0	97.6
Drum	56.2	0.0	0.0	0.0	0.0	56.2	Totals	97.6	0.0	0.0	0.0	0.0	97.6
Totals	97.4	0.0	0.0	0.0	0.0	97.4							

As-Generated Form: Stored: 97.4 Projected: 0.0 Total: 97.4 Final Waste Form: Stored: 97.6 Projected: 0.0 Total: 97.6





WASTE STREAM DESCRIPTION	<p>This waste contains whole and broken pieces of construction bricks, cinderblocks, and firebrick. Waste generated in the 1971 to 1973 period includes firebrick from the Pu recovery incinerator and related refractory development and from four boilers' cinderblocks and other brick from routine maintenance and from D&D following the Rocky Flats Plant fire.</p> <p>Waste generated since 1973 is mostly firebrick from Pu recovery operations. The firebrick generated since 1973 is a high-alumina, high-strength, class F brick manufactured by Plibrico (Plicast 40). Typical composition is Al₂O₃ = 95.67%, SiO₂ = 0.03%, Fe₂O₃ = 0.10%, TiO₂ = 0.01%, CaO = 3.6%, MgO = 0.8%, and Alkalies = 0.28%. Some of the incinerator firebrick is "scarfed" to remove surface contamination and then leached with nitric acid to recover Pu.</p> <p>Waste is packaged in standard RFP drums and boxes. After 1973, mostly drums were used and the waste was placed in PVC bags which were then placed into Fibre-Paks. Two Fibre-Paks fit in a drum.</p> <p>The single drum of Content Code 377 waste was determined by visual examination to be Content Code 371.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (87.4%) of the MWIR waste stream, [FIREBRICK] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W161, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W161	Handling: CH	NMVP #: 122	Stream Name: FIREBRICK:Direct Ship	Inventory Date:
Local ID: ID-RFO-371T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5123

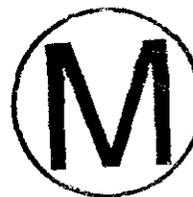
AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																				
APP8, F002, F001	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>389.1</td><td>97.9</td><td>776.4</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>18.5</td><td>23.1</td><td>46.2</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>18.3</td><td>10.0</td><td>32.8</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>148.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>32.9</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	389.1	97.9	776.4	Vitrified:	0.0	0.0	0.0	Cellulosics:	18.5	23.1	46.2	Rubber:	0.0	0.0	0.0	Plastics:	18.3	10.0	32.8	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	148.0			Packaging Material Plastic:	32.9			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Other/Multiple Sources	122, 222	Isotope (Ci/m3) U-235 2.60E-07 Pu-242 6.59E-05 Pu-241 2.44E+01 Pu-240 9.16E-01 Pu-239 4.04E+00 Pu-238 1.43E-01 Am-241 4.81E-02
	Avg	Min	Max																																																																					
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Aluminum-base Metal/Alloys:	0.0	0.0	0.0																																																																					
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Packaging Material Lead:	0.0																																																																							
Packaging Material Steel Plug:	0.0																																																																							

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	14.0	0.0	0.0	0.0	0.0	14.0	55 Gallon Drum	12.5	0.0	0.0	0.0	0.0	12.5
Totals	14.0	0.0	0.0	0.0	0.0	14.0	SWB used to overpack 55 gallon drums	3.3	0.0	0.0	0.0	0.0	3.3
							Totals	15.8	0.0	0.0	0.0	0.0	15.8

As-Generated Form: Stored: 14.0 Projected: 0.0 Total: 14.0 Final Waste Form: Stored: 15.8 Projected: 0.0 Total: 15.8





WASTE STREAM DESCRIPTION	<p>This waste contains whole and broken pieces of construction bricks, cinderblocks, and firebrick. Waste generated in the 1971 to 1973 period includes firebrick from the Pu recovery incinerator and related refractory development and from four boilers' cinderblocks and other brick from routine maintenance and from D&D following the Rocky Flats Plant fire.</p> <p>Waste generated since 1973 is mostly firebrick from Pu recovery operations. The firebrick generated since 1973 is a high-alumina, high-strength, class F brick manufactured by Plibrico (Plicast 40). Typical composition is Al₂O₃ = 95.67%, SiO₂ = 0.03%, Fe₂O₃ = 0.10%, TiO₂ = 0.01%, CaO = 3.6%, MgO = 0.8%, and Alkalies = 0.28%. Some of the incinerator firebrick is "scarfed" to remove surface contamination and then leached with nitric acid to recover Pu.</p> <p>Waste is packaged in standard RFP drums and boxes. After 1973, mostly drums were used and the waste was placed in PVC bags which were then placed into Fibre-Paks. Two Fibre-Paks fit in a drum.</p> <p>The single drum of Content Code 377 waste was determined by visual examination to be Content Code 371.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (12.6%) of the MWIR waste stream, [FIREBRICK] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W161, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	<p>N/A</p>
EPA COMMENTS	<p>The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.</p>
MANAGEMENT COMMENTS	<p>Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.</p>
ACCEPTANCE COMMENTS	<p>N/A</p>
FINAL FORM COMMENTS	<p>All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.</p>

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W163	Handling: CH	NMVP #: N/A	Stream Name: OIL-DRI RESIDUE FROM INCINERATOR: Direct Ship	Inventory Date:
Local ID: ID-RFO-375T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES F002, F001	Avg	Min	Max	Category: Defense TRU Waste	TRUCON CODE: N/A	Isotope (Ci/m3)
Iron-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-242 3.68E-04
Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Asbestos: No		Pu-241 1.36E+02
Other Metals/Alloys:	0.0	0.0	0.0	PCBs: No		Pu-240 5.12E+00
Other Inorganic Material:	0.0	0.0	0.0	Source: Source Unknown		Pu-239 2.26E+01
Vitrified:	0.0	0.0	0.0			Pu-238 7.97E-01
Cellulosics:	0.0	0.0	0.0			
Rubber:	0.0	0.0	0.0			
Plastics:	0.0	0.0	0.0			
Solidified Inorganic Material:	0.0	0.0	0.0			
Solidified Organic Material:	0.0	0.0	0.0			
Cement (solidified):	0.0	0.0	0.0			
Soils:	0.0	0.0	0.0			
Packaging Material Steel:	187.2					
Packaging Material Plastic:	0.0					
Packaging Material Lead:	0.0					
Packaging Material Steel Plug:	0.0					

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: Projected: Total: **Final Waste Form:** Stored: Projected: Total:

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Rocky Flats Plant, includes Oil-Dri absorbent and waste from laundry and utility operations.</p> <p>Organic content should be less than 14 lb/ft³. No sludges or free liquids should be present. The Oil-Dri should meet WIPP immobilization standards. No explosive or pyrophoric materials should be in this waste.</p> <p>The material is contained in 55-gallon drums. Inside the drums, the waste may be contained in PE bottles and/or metal paint cans and double-bagged in PE and PVC bags. Some waste may also be contained in PE residue process containers (RPCS). Drums were prepared and inspected according to pre and post-1972 procedures. Starting in 1982, vermiculite instead of Oil-Dri was used in the tops of the drums.</p> <p>The waste matrix composition listed is for the incinerator waste. No information is available concerning the laundry and utility operation waste.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [OIL-DRI RESIDUE FROM INCINERATOR] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W163, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W163	Handling: CH	NMVP #: N/A	Stream Name: OIL-DRI RESIDUE FROM INCINERATOR:Uncertifiable	Inventory Date:
Local ID: ID-RFO-375T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3113

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

F002, F001

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste N/A

Residues: No

Asbestos: No

PCBs: No

Source: Source Unknown



Isotope (Ci/m3)	
Pu-242	7.37E-04
Pu-241	2.73E+02
Pu-240	1.02E+01
Pu-239	4.52E+01
Pu-238	1.59E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6

Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Rocky Flats Plant, includes Oil-Dri absorbent and waste from laundry and utility operations.</p> <p>Organic content should be less than 14 lb/ft³. No sludges or free liquids should be present. The Oil-Dri should meet WIPP Immobilization standards. No explosive or pyrophoric materials should be in this waste.</p> <p>The material is contained in 55-gallon drums. Inside the drums, the waste may be contained in PE bottles and/or metal paint cans and double-bagged in PE and PVC bags. Some waste may also be contained in PE residue process containers (RPCS). Drums were prepared and inspected according to pre and post-1972 procedures. Starting in 1982, vermiculite instead of Oil-Dri was used in the tops of the drums.</p> <p>The waste matrix composition listed is for the incinerator waste. No information is available concerning the laundry and utility operation waste.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [OIL-DRI RESIDUE FROM INCINERATOR] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrif TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W163, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W164	Handling: CH	NMVP #: N/A	Stream Name: ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM: Cert-repack	Inventory Date:
Local ID: ID-RFO-700T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3114

AS-GENERATED EPA CODES

F003, F001, D022

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues:

Asbestos:

PCBs:

Source:

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.02E-06
Pu-241	2.60E+00
Pu-240	9.76E-02
Pu-239	4.30E-01
Pu-238	1.52E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.5	0.0	0.0	0.0	0.0	1.5
Totals	1.5	0.0	0.0	0.0	0.0	1.5

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7
Totals	1.7	0.0	0.0	0.0	0.0	1.7

As-Generated Form: Stored: Projected: Total:

Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION	Organic and sludge immobilization system (OASIS) waste consists of cutting oil and organic solvents solidified with Envirostone emulsifier, gypsum concrete, and an accelerator.
	Except for the solidifying agent, the waste is similar to Item Description Code (IDC) 003 waste, and has been assigned the same Waste matrix composition.
WASTE STREAM SOURCE	This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W164, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.
	This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W164	Handling: CH	NMVP #: N/A	Stream Name: ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM:Direct Ship	Inventory Date:
Local ID: ID-RFO-700T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3114

**AS-GENERATED
EPA CODES**

F003, F001, D022

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	174.1		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.02E-06
Pu-241	2.60E+00
Pu-240	9.76E-02
Pu-239	4.30E-01
Pu-238	1.52E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4

Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	<p>Organic and sludge immobilization system (OASIS) waste consists of cutting oil and organic solvents solidified with Envirostone emulsifier, gypsum concrete, and an accelerator.</p> <p>Except for the solidifying agent, the waste is similar to Item Description Code (IDC) 003 waste, and has been assigned the same Waste matrix composition.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W164, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W166	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED INORGANIC PROCESS SOLUTION:Direct Ship	Inventory Date:
Local ID: ID-RFO-114T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3123

**AS-GENERATED
EPA CODES**
APP8, F003, F002,
F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	432.2	25.5	667.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	110.8	53.6	275.3
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	73.8	35.7	183.5
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.7		
Packaging Material Plastic:	33.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE
114

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.39E-05
Pu-241	2.37E+01
Pu-240	8.89E-01
Pu-239	3.92E+00
Pu-238	1.38E-01
Am-241	2.70E-02



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	14.2	0.0	0.0	0.0	0.0	14.2
Totals	14.2	0.0	0.0	0.0	0.0	14.2

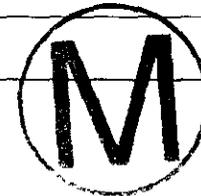
Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	12.7	0.0	0.0	0.0	0.0	12.7
SWB used to overpack 55 gallon drums	3.3	0.0	0.0	0.0	0.0	3.3
Totals	16.0	0.0	0.0	0.0	0.0	16.0

As-Generated Form: Stored: 14.2 Projected: 0.0 Total: 14.2

Final Waste Form: Stored: 16.0 Projected: 0.0 Total: 16.0

WASTE STREAM DESCRIPTION	<p>TRU solid inorganic process solution waste consists of cemented inorganic particulates of sludge-like (not chemically precipitated) wastes from plutonium recovery operations. The waste is packaged in 55-gallon drums or SWBs. Content code 114 includes some waste form IDCs 292 and 432.</p> <p>Waste matrix composition listed is for Item Description Code (IDC) 292, the bulk of the waste. The waste is assigned matrix parameter code (mpc) S3123, based on IDC 292. The IDC 432 portion of the waste stream is mpc S3211.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SOLIDIFIED INORGANIC PROCESS SOLUTION] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W166, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W166	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED INORGANIC PROCESS SOLUTION: Cert-repack	Inventory Date:
Local ID: ID-RFO-114T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3123

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F003, F002, F001, D008

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	489.0	28.8	754.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	125.3	60.6	311.5
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	83.6	40.4	207.7
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

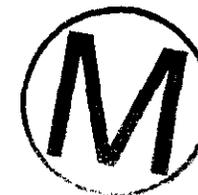
Source: Materials Production/Recovery Effluents

TRUCON CODE

114

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.39E-05
Pu-241	2.37E+01
Pu-240	8.89E-01
Pu-239	3.92E+00
Pu-238	1.38E-01
Am-241	2.70E-02



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	56.6	0.0	0.0	0.0	0.0	56.6
Totals	56.6	0.0	0.0	0.0	0.0	56.6

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	56.8	0.0	0.0	0.0	0.0	56.8
Totals	56.8	0.0	0.0	0.0	0.0	56.8

As-Generated Form: Stored: 56.6 Projected: 0.0 Total: 56.6

Final Waste Form: Stored: 56.8 Projected: 0.0 Total: 56.8

WASTE STREAM DESCRIPTION

TRU solid inorganic process solution waste consists of cemented inorganic particulates of sludge-like (not chemically precipitated) wastes from plutonium recovery operations. The waste is packaged in 55-gallon drums or SWBs. Content code 114 includes some waste form IDCs 292 and 432.

Waste matrix composition listed is for Item Description Code (IDC) 292, the bulk of the waste. The waste is assigned matrix parameter code (mpc) S3123, based on IDC 292. The IDC 432 portion of the waste stream is mpc S3211.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [SOLIDIFIED INORGANIC PROCESS SOLUTION] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W166, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W167	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED ORGANICS:Direct Ship	Inventory Date:
Local ID: ID-RFO-112T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3114

AS-GENERATED EPA CODES

F003, F001, D022

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	484.6	182.8	595.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	209.6	79.0	257.6
Cement (solidified):	143.9	52.7	171.7
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.7		
Packaging Material Plastic:	33.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

112

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.40E-05
Pu-241	5.18E+00
Pu-240	1.95E-01
Pu-239	8.58E-01
Pu-238	3.03E-02
Am-241	4.22E-02



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	32.9	0.0	0.0	0.0	0.0	32.9
Totals	32.9	0.0	0.0	0.0	0.0	32.9

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	29.1	0.0	0.0	0.0	0.0	29.1
SWB used to overpack 55 gallon drums	7.6	0.0	0.0	0.0	0.0	7.6
Totals	36.7	0.0	0.0	0.0	0.0	36.7

As-Generated Form: Stored: 32.9 Projected: 0.0 Total: 32.9

Final Waste Form: Stored: 36.7 Projected: 0.0 Total: 36.7

WASTE STREAM DESCRIPTION	TRU solid organic waste consists of cemented or absorbed organic liquids from production or laboratory processes. The content code packaged as 112 includes IDC 003.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SOLIDIFIED ORGANICS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W167, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W167	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED ORGANICS:Cert-repack	Inventory Date:
Local ID: ID-RFO-112T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3114

**AS-GENERATED
EPA CODES**
F003, F001, D022

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	548.1	206.7	673.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	236.5	89.4	291.4
Cement (solidified):	157.7	59.6	194.2
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	
Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE
112

FINAL FORM RADIONUCLIDES	
Isotope (Ci/m3)	
Pu-242	1.40E-05
Pu-241	5.18E+00
Pu-240	1.95E-01
Pu-239	8.58E-01
Pu-238	3.03E-02
Am-241	4.22E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	131.2	0.0	0.0	0.0	0.0	131.2	55 Gallon Drum	131.5	0.0	0.0	0.0	0.0	131.5
Totals	131.2	0.0	0.0	0.0	0.0	131.2	Totals	131.5	0.0	0.0	0.0	0.0	131.5

As-Generated Form: Stored: 131.2 Projected: 0.0 Total: 131.2
Final Waste Form: Stored: 131.5 Projected: 0.0 Total: 131.5

WASTE STREAM DESCRIPTION	TRU solid organic waste consists of cemented or absorbed organic liquids from production or laboratory processes. The content code packaged as 112 includes IDC 003.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [SOLIDIFIED ORGANICS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W167, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W169	Handling: CH	NMVP #: 116	Stream Name: DRY PAPER AND RAGS:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-330T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
 APP8, F005, F003,
 F002, F001, D029,
 D022, D008

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	36.8	0.0	233.0
Other Inorganic Material:	27.2	0.0	196.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	135.0	6.6	817.0
Rubber:	57.2	0.0	330.0
Plastics:	188.0	14.8	887.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

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

116, 216

Isotope (Ci/m3)	
U-238	8.48E-11
U-235	2.60E-06
Pu-242	9.75E-06
Pu-241	3.61E+00
Pu-240	1.36E-01
Pu-239	5.98E-01
Pu-238	2.11E-02
Am-241	3.78E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	4266.8	0.0	0.0	0.0	0.0	4266.8	55 Gallon Drum	4267.1	0.0	0.0	0.0	0.0	4267.1
Totals	4266.8	0.0	0.0	0.0	0.0	4266.8	Totals	4267.1	0.0	0.0	0.0	0.0	4267.1

As-Generated Form: Stored: 4266.8 Projected: 0.0 Total: 4266.8
 Final Waste Form: Stored: 4267.1 Projected: 0.0 Total: 4267.1



WASTE STREAM DESCRIPTION



This waste stream is the largest combustible waste stream. The waste stream is from Rocky Flats Plant and primarily consists of line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, cloth overalls and booties, cardboard, wood, wood filter frames, PE bottles, and laundry lint. Some combustibles may be damp or moist. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, batteries, and metal scrap may also be present.

There is a lack of information about the waste shipped prior to 1975. The average waste organic material content may range from 8 lb/r3 for boxes to over 14 lb/r3 for drums. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Line-generated waste may be double contained in plastic or placed in PE bottles and then double bagged. Nonline-generated wastes were single-bagged or placed directly into the waste container. Oil-Dri may have been added to some drums.

After 1974, some waste was drummed, and some waste was placed in 4 ft x 4 ft x 7 ft boxes. Some combustibles are single, double or quadruple bagged or wrapped PVC and PE bags or plastic. Combustibles such as clothing and dryer lint are placed directly into 55-gallon drums. Some wastes are placed in 1-gallon PE bottles. Some drummed waste was repacked into boxes to reduce volume. During repacking, any noncombustibles were removed. Some boxes may contain moist combustible waste and up to 100 lb of Oil-Dri.

Drums containing wastes from the Americium Recovery Line are lead-lined. Drums shipped prior to 1977 contain compacted wastes.

WASTE STREAM SOURCE

This record represents the [CH-Cert-repack] portion (73.89%) of the MWIR waste stream, [DRY PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk [WPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W169, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W169	Handling: CH	NMVP #: N/A	Stream Name: DRY PAPER AND RAGS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-330T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5300

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F005, F003, F002, F001, D029, D022, D008
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	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	8.48E-09
U-235	2.60E-04
Pu-242	9.75E-04
Pu-241	3.61E+02
Pu-240	1.36E+01
Pu-239	5.98E+01
Pu-238	2.11E+00
Am-241	3.78E+01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	1318.7	0.0	0.0	0.0	0.0	1318.7
Drum	136.5	0.0	0.0	0.0	0.0	136.5
Totals	1455.2	0.0	0.0	0.0	0.0	1455.2

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	14.6	0.0	0.0	0.0	0.0	14.6
Totals	14.6	0.0	0.0	0.0	0.0	14.6

As-Generated Form: Stored: 1455.2 Projected: 0.0 Total: 1455.2

Final Waste Form: Stored: 14.6 Projected: 0.0 Total: 14.6



WASTE STREAM DESCRIPTION



This waste stream is the largest combustible waste stream. The waste stream is from Rocky Flats Plant and primarily consists of line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, cloth overalls and booties, cardboard, wood, wood filter frames, PE bottles, and laundry lint. Some combustibles may be damp or moist. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, batteries, and metal scrap may also be present.

There is a lack of information about the waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Line-generated waste may be double contained in plastic or placed in PE bottles and then double bagged. Nonline-generated wastes were single-bagged or placed directly into the waste container. Oil-Dri may have been added to some drums.

After 1974, some waste was drummed, and some waste was placed in 4 ft x 4 ft x 7 ft boxes. Some combustibles are single, double or quadruple bagged or wrapped PVC and PE bags or plastic. Combustibles such as clothing and dryer lint are placed directly into 55-gallon drums. Some wastes are placed in 1-gallon PE bottles. Some drummed waste was repacked into boxes to reduce volume. During repacking, any noncombustibles were removed. Some boxes may contain moist combustible waste and up to 100 lb of Oil-Dri.

Drums containing wastes from the Americium Recovery Line are lead-lined. Drums shipped prior to 1977 contain compacted wastes.

WASTE STREAM SOURCE

This record represents the [CH:Uncert] portion (25.2%) of the MWIR waste stream, [DRY PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vtrf TRANS:trans WIPP:dvsp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W169, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W169	Handling: RH	NMVP #: 116	Stream Name: DRY PAPER AND RAGS:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-330T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
APP8, F005, F003, F002, F001, D029, D022, D008		Category: Defense TRU Waste	116, 216	Isotope (Ci/m3)	
	Iron-base Metal/Alloys:	Avg: 0.0, Min: 0.0, Max: 0.0		Residues: No	U-238 8.48E-11
	Aluminum-base Metal/Alloys:	Avg: 0.0, Min: 0.0, Max: 0.0		Asbestos: Unknown	U-235 2.60E-06
	Other Metals/Alloys:	Avg: 25.8, Min: 0.0, Max: 163.4		PCBs: No	Pu-242 9.75E-06
	Other Inorganic Material:	Avg: 19.1, Min: 0.0, Max: 137.4		Source: Facility/Equipment Operation and Maintenance Waste	Pu-241 3.61E+00
	Vitrified:	Avg: 0.0, Min: 0.0, Max: 0.0			Pu-240 1.36E-01
	Cellulosics:	Avg: 94.7, Min: 4.6, Max: 572.8			Pu-239 5.98E-01
	Rubber:	Avg: 40.1, Min: 0.0, Max: 231.4			Pu-238 2.11E-02
	Plastics:	Avg: 131.8, Min: 10.4, Max: 621.9			Am-241 3.78E-01
	Solidified Inorganic Material:	Avg: 0.0, Min: 0.0, Max: 0.0			
	Solidified Organic Material:	Avg: 0.0, Min: 0.0, Max: 0.0			
	Cement (solidified):	Avg: 0.0, Min: 0.0, Max: 0.0			
	Soils:	Avg: 0.0, Min: 0.0, Max: 0.0			
	Packaging Material Steel:	526.0			
	Packaging Material Plastic:	26.0			
Packaging Material Lead:	464.7				
Packaging Material Steel Plug:	2145.1				

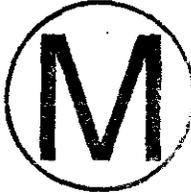
WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	11.0	0.0	0.0	0.0	0.0	11.0	RH Canister used to overpack 55 gallon drums	17.8	0.0	0.0	0.0	0.0	17.8
Totals	11.0	0.0	0.0	0.0	0.0	11.0	Totals	17.8	0.0	0.0	0.0	0.0	17.8

As-Generated Form: Stored: 11.0 Projected: 0.0 Total: 11.0 Final Waste Form: Stored: 17.8 Projected: 0.0 Total: 17.8



WASTE STREAM DESCRIPTION



This waste stream is the largest combustible waste stream. The waste stream is from Rocky Flats Plant and primarily consists of line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, cloth overalls and booties, cardboard, wood, wood filter frames, PE bottles, and laundry lint. Some combustibles may be damp or moist. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, batteries, and metal scrap may also be present.

There is a lack of information about the waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Line-generated waste may be double contained in plastic or placed in PE bottles and then double bagged. Nonline-generated wastes were single-bagged or placed directly into the waste container. Oil-Dri may have been added to some drums.

After 1974, some waste was drummed, and some waste was placed in 4 ft x 4 ft x 7 ft boxes. Some combustibles are single, double or quadruple bagged or wrapped PVC and PE bags or plastic. Combustibles such as clothing and dryer lint are placed directly into 55-gallon drums. Some wastes are placed in 1-gallon PE bottles. Some drummed waste was repacked into boxes to reduce volume. During repacking, any noncombustibles were removed. Some boxes may contain moist combustible waste and up to 100 lb of Oil-Dri.

Drums containing wastes from the Americium Recovery Line are lead-lined. Drums shipped prior to 1977 contain compacted wastes.

WASTE STREAM SOURCE

This record represents the [RH-Cert-repack] portion (.19%) of the MWIR waste stream, [DRY PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W169, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W169	Handling: RH	NMVP #: N/A	Stream Name: DRY PAPER AND RAGS:RH-Uncert	Inventory Date:
Local ID: ID-RFO-330T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D022, D008
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	8.48E-09
U-235	2.60E-04
Pu-242	9.75E-04
Pu-241	3.61E+02
Pu-240	1.36E+01
Pu-239	5.98E+01
Pu-238	2.11E+00
Am-241	3.78E+01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	4.0	0.0	0.0	0.0	0.0	4.0
Totals	4.0	0.0	0.0	0.0	0.0	4.0

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 4.0 Projected: 0.0 Total: 4.0

Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2



WASTE STREAM DESCRIPTION



This waste stream is the largest combustible waste stream. The waste stream is from Rocky Flats Plant and primarily consists of line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, cloth overalls and booties, cardboard, wood, wood filter frames, PE bottles, and laundry lint. Some combustibles may be damp or moist. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, batteries, and metal scrap may also be present.

There is a lack of information about the waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Line-generated waste may be double contained in plastic or placed in PE bottles and then double bagged. Nonline-generated wastes were single-bagged or placed directly into the waste container. Oil-Dri may have been added to some drums.

After 1974, some waste was drummed, and some waste was placed in 4 ft x 4 ft x 7 ft boxes. Some combustibles are single, double or quadruple bagged or wrapped PVC and PE bags or plastic. Combustibles such as clothing and dryer lint are placed directly into 55-gallon drums. Some wastes are placed in 1-gallon PE bottles. Some drummed waste was repacked into boxes to reduce volume. During repacking, any noncombustibles were removed. Some boxes may contain moist combustible waste and up to 100 lb of Oil-Dri.

Drums containing wastes from the Americium Recovery Line are lead-lined. Drums shipped prior to 1977 contain compacted wastes.

WASTE STREAM SOURCE

This record represents the [RH-Uncert] portion (.07%) of the MWIR waste stream, [DRY PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrl TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W169, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W169	Handling: CH	NMVP #: 116	Stream Name: DRY PAPER AND RAGS:Direct Ship	Inventory Date:
Local ID: ID-RFO-330T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m ³)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m ³)	
APP8, F005, F003, F002, F001, D029, D022, D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	116, 216	U-238	8.48E-11
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		U-235	2.60E-06
	Other Metals/Alloys:	32.6	0.0	206.5	Asbestos: Unknown		Pu-242	9.75E-06
	Other Inorganic Material:	24.1	0.0	173.7	PCBs: No		Pu-241	3.61E+00
	Vitrified:	0.0	0.0	0.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-240	1.36E-01
	Cellulosics:	119.6	5.8	723.9			Pu-239	5.98E-01
	Rubber:	50.7	0.0	292.4			Pu-238	2.11E-02
	Plastics:	166.6	13.1	785.9			Am-241	3.78E-01
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	147.5						
	Packaging Material Plastic:	33.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	37.5	0.0	0.0	0.0	0.0	37.5	55 Gallon Drum	33.3	0.0	0.0	0.0	0.0	33.3
Totals	37.5	0.0	0.0	0.0	0.0	37.5	SWB used to overpack 55 gallon drums	8.5	0.0	0.0	0.0	0.0	8.5
							Totals	41.8	0.0	0.0	0.0	0.0	41.8

As-Generated Form: Stored: 37.5 Projected: 0.0 Total: 37.5 Final Waste Form: Stored: 41.8 Projected: 0.0 Total: 41.8



WASTE STREAM DESCRIPTION



This waste stream is the largest combustible waste stream. The waste stream is from Rocky Flats Plant and primarily consists of line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, cloth overalls and booties, cardboard, wood, wood filter frames, PE bottles, and laundry lint. Some combustibles may be damp or moist. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, batteries, and metal scrap may also be present.

There is a lack of information about the waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Line-generated waste may be double contained in plastic or placed in PE bottles and then double bagged. Nonline-generated wastes were single-bagged or placed directly into the waste container. Oil-Dri may have been added to some drums.

After 1974, some waste was drummed, and some waste was placed in 4 ft x 4 ft x 7 ft boxes. Some combustibles are single, double or quadruple bagged or wrapped PVC and PE bags or plastic. Combustibles such as clothing and dryer lint are placed directly into 55-gallon drums. Some wastes are placed in 1-gallon PE bottles. Some drummed waste was repacked into boxes to reduce volume. During repacking, any noncombustibles were removed. Some boxes may contain moist combustible waste and up to 100 lb of Oil-Dri.

Drums containing wastes from the Americium Recovery Line are lead-lined. Drums shipped prior to 1977 contain compacted wastes.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (.65%) of the MWIR waste stream, [DRY PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W169, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W170	Handling: CH	NMVP #: N/A	Stream Name: DECONTAMINATION AND DECOMMISSIONING WASTE:Direct Ship	Inventory Date:
Local ID: ID-AEO-120T	Type: MTRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**

F003, D008, D006,
D004

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	22.5	0.0	38.6
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	1.6	0.0	6.4
Vitrified:	0.0	0.0	0.0
Cellulosics:	130.3	37.7	218.8
Rubber:	1.5	1.0	4.4
Plastics:	13.0	2.9	35.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues:

Asbestos:

PCBs:

Source:

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	2.06E+01
Am-241	5.13E+00



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: Projected: Total: Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION	This waste is generated at Argonne National Laboratory-East. The waste is derived from decontamination and disposal of facilities and ancillary systems (e.g., gloveboxes). The composition of the waste is unknown. ANL-E IDC 101 is used as an analog for waste matrix composition.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [DECONTAMINATION AND DECOMMISSIONING WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W170, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W170	Handling: CH	NMVP #: N/A	Stream Name: DECONTAMINATION AND DECOMMISSIONING WASTE: Cert-repack	Inventory Date:
Local ID: ID-AEO-120T	Type: MTRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**
F003, D008, D006,
D004



	WASTE MATERIAL PARAMETERS (kg/m ³)		
	Avg	Min	Max
Iron-base Metal/Alloys:	36.8	0.0	63.2
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	2.6	0.0	10.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	213.2	61.6	357.9
Rubber:	2.4	1.6	7.2
Plastics:	21.3	4.7	57.3
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
Category: Defense TRU Waste	N/A	Isotope (Ci/m ³)
Residues: No		Pu-239 2.06E+01
Asbestos: Unknown		Am-241 5.13E+00
PCBs: No		
Source: Remediation/D&D Waste		

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4

WASTE STREAM DESCRIPTION	This waste is generated at Argonne National Laboratory-East. The waste is derived from decontamination and disposal of facilities and ancillary systems (e.g., gloveboxes). The composition of the waste is unknown. ANL-E IDC 101 is used as an analog for waste matrix composition.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [DECONTAMINATION AND DECOMMISSIONING WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W170, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



Appendix P

DOE/CAO-86-1121

TWBIR ID: IN-W171.184

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W171	Handling: CH	NMVP #: N/A	Stream Name: RESEARCH GENERATED WASTE COMPACTIBLE & C: Cert-repack	Inventory Date:
Local ID: ID-AEO-110T	Type: MTRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S5330

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
F003, D008, U006, D004

	Avg	Min	Max
Iron-base Metal/Alloys:	4.8	0.0	14.4
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	4.8	0.0	19.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	287.7	53.4	432.7
Rubber:	3.3	1.4	8.7
Plastics:	36.0	2.9	60.6
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: R&D/R&D Laboratory Waste

Isotope (Ci/m3)	
Pu-241	5.21E+01
Pu-239	5.12E+00
Am-243	1.70E-03
Am-241	3.98E-01

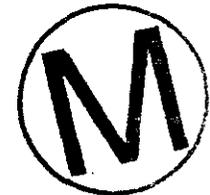


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	3.2	0.0	0.0	0.0	0.0	3.2	55 Gallon Drum	3.5	0.0	0.0	0.0	0.0	3.5
Totals	3.2	0.0	0.0	0.0	0.0	3.2	Totals	3.5	0.0	0.0	0.0	0.0	3.5

As-Generated Form: Stored: 3.2 Projected: 0.0 Total: 3.2 Final Waste Form: Stored: 3.5 Projected: 0.0 Total: 3.5

WASTE STREAM DESCRIPTION	This waste is generated at Argonne National Laboratory - East. The waste is derived from research activities performed in a laboratory environment. The waste includes soft plastics, cardboard, rags, paper, and cloth from various processes. The waste is packaged in 55-gallon drums or in SWBs.
WASTE STREAM SOURCE	<p>This record represents the [Certifiable-repack] portion (97.64%) of the MWIR waste stream, [RESEARCH GENERATED WASTE COMPACTIBLE & C] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W171, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W171	Handling: CH	NMVP #: N/A	Stream Name: RESEARCH GENERATED WASTE COMPACTIBLE & C:Direct Shp.	Inventory Date:
Local ID: ID-AEO-110T	Type: MTRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S5330

AS-GENERATED EPA CODES

F003, D008, D006, D004

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	2.9	0.0	8.8
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	2.9	0.0	11.7
Vitrified:	0.0	0.0	0.0
Cellulosics:	175.9	32.6	264.5
Rubber:	2.0	0.9	5.3
Plastics:	22.0	1.8	37.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

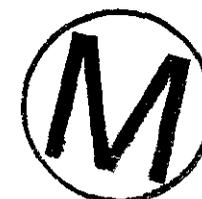
Category: Defense TRU Waste
 Residues: No
 Asbestos: Unknown
 PCBs: No
 Source: R&D/R&D Laboratory Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-241	5.21E+01
Pu-239	5.12E+00
Am-243	1.70E-03
Am-241	3.98E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This waste is generated at Argonne National Laboratory - East. The waste is derived from research activities performed in a laboratory environment. The waste includes soft plastics, cardboard, rags, paper, and cloth from various processes. The waste is packaged in 55-gallon drums or in SWBs.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (2.36%) of the MWIR waste stream, [RESEARCH GENERATED WASTE COMPACTIBLE & C] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W171, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W172	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLES:Cert-repack	Inventory Date:
Local ID: ID-BTO-010T	Type: MTRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

**AS-GENERATED
EPA CODES**

F002, F001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	2.9	0.0	7.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	575.6	105.8	961.5
Rubber:	55.2	55.2	163.5
Plastics:	165.6	105.8	288.5
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

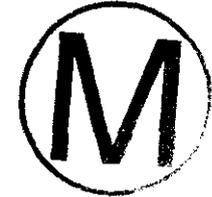
Source: Other/Multiple Sources

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

N/A



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	132.5	0.0	0.0	0.0	0.0	132.5	55 Gallon Drum	132.5	0.0	0.0	0.0	0.0	132.5
Totals	132.5	0.0	0.0	0.0	0.0	132.5	Totals	132.5	0.0	0.0	0.0	0.0	132.5

As-Generated Form: Stored: 132.5 Projected: 0.0 Total: 132.5

Final Waste Form: Stored: 132.5 Projected: 0.0 Total: 132.5

WASTE STREAM DESCRIPTION

This waste stream, generated at Bettis Atomic Power Laboratory, consists primarily of rags, gloves, plastic, paper, carbo-wax, filters, oil-contaminated "absorba" (diatomaceous earth), and rubber. The waste stream may also contain noncombustible items. Levels of hazardous materials are unknown.

The waste organic material may exceed 14 lb/ft³ for drums. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric, or corrosive materials.

Small waste items are wrapped in plastic and placed inside 3.25-inch diameter by 7-inch high tin-plated steel cans with screw-on lids. The can is placed inside a steel "juice can" with roll-seam sealed lids. Larger items are wrapped in plastic and placed inside 4.375-inch diameter by 20 or 24-inch high tin-plated steel cans. The sealed can was wrapped in plastic and placed inside 55-gallon waste drums lined with 90-mil drum liners. Between 15-80 cans fit in a drum. Prior to 1974, each drum was assayed by calculating weight differences to determine fissile content. After 1974, a U-232 assay gauge was used.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [COMBUSTIBLES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W172, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W172	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLES:Direct Ship	Inventory Date:
Local ID: ID-BTO-010T	Type: MTRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max				
F002, F001	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		
	Other Inorganic Material:	2.6	0.0	6.4	PCBs: No		
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources		
	Cellulosics:	509.6	93.7	851.2			
	Rubber:	48.9	48.9	144.7			
	Plastics:	146.6	93.7	255.4			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	147.6					
	Packaging Material Plastic:	33.0					
	Packaging Material Lead:	0.0					
	Packaging Material Steel Plug:	0.0					

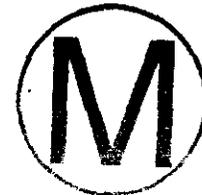


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	33.1	0.0	0.0	0.0	0.0	33.1	55 Gallon Drum	29.3	0.0	0.0	0.0	0.0	29.3
Totals	33.1	0.0	0.0	0.0	0.0	33.1	SWB used to overpack 55 gallon drums	7.6	0.0	0.0	0.0	0.0	7.6
							Totals	36.9	0.0	0.0	0.0	0.0	36.9

As-Generated Form: Stored: Projected: Total: **Final Waste Form:** Stored: Projected: Total:

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Bettis Atomic Power Laboratory, consists primarily of rags, gloves, plastic, paper, carbo-wax, filters, oil-contaminated "absorba" (diatomaceous earth), and rubber. The waste stream may also contain noncombustible items. Levels of hazardous materials are unknown.</p> <p>The waste organic material may exceed 14 lb/ft³ for drums. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric, or corrosive materials.</p> <p>Small waste items are wrapped in plastic and placed inside 3.25-inch diameter by 7-inch high tin-plated steel cans with screw-on lids. The can is placed inside a steel "juice can" with roll-seam sealed lids. Larger items are wrapped in plastic and placed inside 4.375-inch diameter by 20 or 24-inch high tin-plated steel cans. The sealed can was wrapped in plastic and placed inside 55-gallon waste drums lined with 90-mil drum liners. Between 15-80 cans fit in a drum. Prior to 1974, each drum was assayed by calculating weight differences to determine fissile content. After 1974, a U-232 assay gauge was used.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [COMBUSTIBLES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W172, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W174	Handling: CH	NMVP #: N/A	Stream Name: HIGH-LEVEL ACID: Cert-repack	Inventory Date:
Local ID: ID-MDO-834T	Type: MTRU	Generator Site: MD	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES

D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	394.2	173.1	528.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	399.0	173.1	528.8
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
Pu-240	2.02E-02
Pu-239	1.02E-02
Pu-238	1.52E+01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	30.3	0.0	0.0	0.0	0.0	30.3	55 Gallon Drum	30.4	0.0	0.0	0.0	0.0	30.4
Totals	30.3	0.0	0.0	0.0	0.0	30.3	Totals	30.4	0.0	0.0	0.0	0.0	30.4

As-Generated Form: Stored: 30.3 Projected: 0.0 Total: 30.3

Final Waste Form: Stored: 30.4 Projected: 0.0 Total: 30.4

WASTE STREAM DESCRIPTION	This waste comes from Mound Laboratory. It consists of acid liquids, mainly nitric, absorbed onto a clay called Florco. The Florco is then placed in a drum bag in a drum lined with a 90-mil poly liner. Analytical assay values are available for each drum.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (20%) of the MWIR waste stream, [HIGH-LEVEL ACID] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W174, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

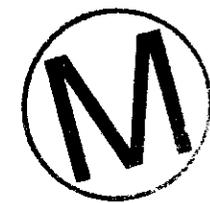


TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W174	Handling: CH	NMVP #: N/A	Stream Name: HIGH-LEVEL ACID:Direct Ship	Inventory Date:
Local ID: ID-MDO-834T	Type: MTRU	Generator Site: MD	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:		Isotope (Ci/m3)	
D002, D001	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-240 2.02E-02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		Pu-239 1.02E-02
	Other Inorganic Material:	349.0	153.2	468.2	PCBs: No		Pu-238 1.52E+01
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		
	Cellulosics:	0.0	0.0	0.0			
	Rubber:	0.0	0.0	0.0			
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	353.2	153.2	468.2			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	147.5					
	Packaging Material Plastic:	33.0					
	Packaging Material Lead:	0.0					
	Packaging Material Steel Plug:	0.0					



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	120.8	0.0	0.0	0.0	0.0	120.8	55 Gallon Drum	106.9	0.0	0.0	0.0	0.0	106.9
Totals	120.8	0.0	0.0	0.0	0.0	120.8	SWB used to overpack 55 gallon drums	27.4	0.0	0.0	0.0	0.0	27.4
							Totals	134.3	0.0	0.0	0.0	0.0	134.3

As-Generated Form: Stored: 120.8 Projected: 0.0 Total: 120.8 Final Waste Form: Stored: 134.3 Projected: 0.0 Total: 134.3

WASTE STREAM DESCRIPTION	This waste comes from Mound Laboratory. It consists of acid liquids, mainly nitric, absorbed onto a clay called Florco. The Florco is then placed in a drum bag in a drum lined with a 90-mil poly liner. Analytical assay values are available for each drum.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (80%) of the MWIR waste stream, [HIGH-LEVEL ACID] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W174, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W177	Handling: CH	NMVP #: N/A	Stream Name: HIGH-LEVEL CAUSTIC: Cert-repack	Inventory Date:
Local ID: ID-MDO-835T	Type: MTRU	Generator Site: MD	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																		
D002	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>394.2</td><td>173.1</td><td>528.8</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>399.0</td><td>173.1</td><td>528.8</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>37.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	394.2	173.1	528.8	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	399.0	173.1	528.8	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	37.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: No PCBs: No Source: Pollution Control or Waste Treatment Process	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>Pu-242</td><td>1.81E-08</td></tr> <tr><td>Pu-241</td><td>2.12E-03</td></tr> <tr><td>Pu-240</td><td>3.17E-05</td></tr> <tr><td>Pu-239</td><td>5.16E-03</td></tr> <tr><td>Pu-238</td><td>1.74E+01</td></tr> <tr><td>Pu-236</td><td>2.31E-06</td></tr> </tbody> </table>	Isotope (Ci/m3)		Pu-242	1.81E-08	Pu-241	2.12E-03	Pu-240	3.17E-05	Pu-239	5.16E-03	Pu-238	1.74E+01	Pu-236	2.31E-06
	Avg	Min	Max																																																																																			
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Solidified Inorganic Material:	399.0	173.1	528.8																																																																																			
Solidified Organic Material:	0.0	0.0	0.0																																																																																			
Cement (solidified):	0.0	0.0	0.0																																																																																			
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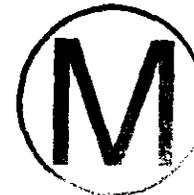


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	141.0	0.0	0.0	0.0	0.0	141.0	55 Gallon Drum	141.0	0.0	0.0	0.0	0.0	141.0
Totals	141.0	0.0	0.0	0.0	0.0	141.0	Totals	141.0	0.0	0.0	0.0	0.0	141.0

As-Generated Form: Stored: 141.0 Projected: 0.0 Total: 141.0 Final Waste Form: Stored: 141.0 Projected: 0.0 Total: 141.0

WASTE STREAM DESCRIPTION	This waste comes from Mound Laboratory. It consists of caustic waste and neutralized waste liquids, absorbed onto a clay called Florco. The Florco is then placed in a drum bag in a drum lined with a 90-mil poly liner. Analytical assay values are available for each drum.
WASTE STREAM SOURCE	This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [HIGH-LEVEL CAUSTIC] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W177, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.
	This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W177	Handling: CH	NMVP #: N/A	Stream Name: HIGH-LEVEL CAUSTIC:Direct Ship	Inventory Date:
Local ID: ID-MDO-835T	Type: MTRU	Generator Site: MD	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES **WASTE MATERIAL PARAMETERS (kg/m3)** **FINAL WASTE FORM DESCRIPTORS** **TRUCON CODE** **FINAL FORM RADIONUCLIDES**

D002	Iron-base Metal/Alloys:	Avg: 0.0	Min: 0.0	Max: 0.0	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-242 1.81E-08
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		Pu-241 2.12E-03
	Other Inorganic Material:	348.8	153.2	467.9	PCBs: No		Pu-240 3.17E-05
	Vitrified:	0.0	0.0	0.0	Source: Pollution Control or Waste Treatment Process		Pu-239 5.16E-03
	Cellulosics:	0.0	0.0	0.0			Pu-238 1.74E+01
	Rubber:	0.0	0.0	0.0			Pu-236 2.31E-06
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	353.1	153.2	467.9			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	147.6					
	Packaging Material Plastic:	33.0					
	Packaging Material Lead:	0.0					
Packaging Material Steel Plug:	0.0						

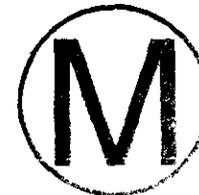


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	35.2	0.0	0.0	0.0	0.0	35.2	55 Gallon Drum	31.2	0.0	0.0	0.0	0.0	31.2
Totals	35.2	0.0	0.0	0.0	0.0	35.2	SWB used to overpack 55 gallon drums	8.0	0.0	0.0	0.0	0.0	8.0
							Totals	39.2	0.0	0.0	0.0	0.0	39.2

As-Generated Form: Stored: 35.2 Projected: 0.0 Total: 35.2 Final Waste Form: Stored: 39.2 Projected: 0.0 Total: 39.2

WASTE STREAM DESCRIPTION	This waste comes from Mound Laboratory. It consists of caustic waste and neutralized waste liquids, absorbed onto a clay called Florco. The Florco is then placed in a drum bag in a drum lined with a 90-mil poly liner. Analytical assay values are available for each drum.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [HIGH-LEVEL CAUSTIC] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W177, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W179	Handling: CH	NMVP #: N/A	Stream Name: HIGH-LEVEL SLUDGE/CEMENT: Cert-repack	Inventory Date:
Local ID: ID-MDO-836T	Type: MTRU	Generator Site: MD	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F003, F001, D011, D010, D009, D008, D007, D006, D002

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	394.2	173.1	528.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	399.0	173.1	528.8
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste

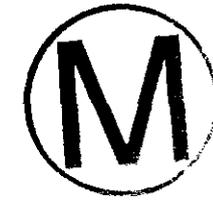
Residues: No

Asbestos: No

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE: N/A



Isotope (Ci/m3)

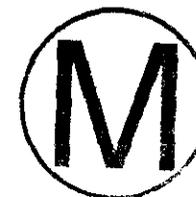
Pu-242	5.45E-08
Pu-241	5.70E-03
Pu-240	6.25E-05
Pu-239	1.20E-04
Pu-238	6.94E+00
Pu-236	7.30E-06

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	4.5	0.0	0.0	0.0	0.0	4.5	55 Gallon Drum	4.6	0.0	0.0	0.0	0.0	4.6
Totals	4.5	0.0	0.0	0.0	0.0	4.5	Totals	4.6	0.0	0.0	0.0	0.0	4.6

As-Generated Form: Stored: 4.5 Projected: 0.0 Total: 4.5 **Final Waste Form:** Stored: 4.6 Projected: 0.0 Total: 4.6

WASTE STREAM DESCRIPTION	This waste is from Mound Labs. The waste consists of shower water, decontamination water, cooling water, and some acids and caustics which have been solidified in portland cement. The cement is poured into a drum lined with a 90-mil poly liner. Analytical assay values are available on a batch basis.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [HIGH-LEVEL SLUDGE/CEMENT] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W179, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W179	Handling: CH	NMVP #: N/A	Stream Name: HIGH-LEVEL SLUDGE/CEMENT: Direct Ship	Inventory Date:
Local ID: ID-MDO-836T	Type: MTRU	Generator Site: MD	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F003, F001, D011, D010, D009, D008, D007, D006, D002
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WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	325.0	142.7	435.9
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	328.9	142.7	435.9
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	156.3		
Packaging Material Plastic:	30.9		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE
N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m ³)	
Pu-242	5.45E-08
Pu-241	5.70E-03
Pu-240	6.25E-05
Pu-239	1.20E-04
Pu-238	6.94E+00
Pu-236	7.30E-06



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1
Totals	1.1	0.0	0.0	0.0	0.0	1.1

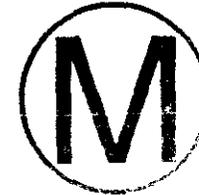
Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	1.5	0.0	0.0	0.0	0.0	1.5

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1

Final Waste Form: Stored: 1.5 Projected: 0.0 Total: 1.5

WASTE STREAM DESCRIPTION	This waste is from Mound Labs. The waste consists of shower water, decontamination water, cooling water, and some acids and caustics which have been solidified in portland cement. The cement is poured into a drum lined with a 90-mil poly liner. Analytical assay values are available on a batch basis.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [HIGH-LEVEL SLUDGE/CEMENT] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W179, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1,13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W181	Handling: CH	NMVP #: N/A	Stream Name: LAUNDRY SLUDGE	Inventory Date:
Local ID: ID-RFO-978T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3120

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D009, D008, D007, D006, D002
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	3.4	3.4	3.4
Other Inorganic Material:	34.8	0.0	85.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	34.8	0.0	85.2
Rubber:	0.0	0.0	0.0
Plastics:	9.4	8.7	9.8
Solidified Inorganic Material:	463.2	321.6	568.2
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	308.8	214.4	378.8
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	5.54E-06
Pu-241	2.05E+00
Pu-240	7.70E-02
Pu-239	3.39E-01
Pu-238	1.20E-02



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	9.6	0.0	0.0	0.0	0.0	9.6
Totals	9.6	0.0	0.0	0.0	0.0	9.6

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6

Final Waste Form: Stored: 9.6 Projected: 0.0 Total: 9.6

WASTE STREAM DESCRIPTION	This waste is from Rocky Flats. The waste consists of sludge from laundry operations that have been cemented in portland. The cement is described as a poor grade.
WASTE STREAM SOURCE	This waste stream was generated at Building 776: Laundry. The generating process is: Laundry sludge.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W186	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE WASTE	Inventory Date:
Local ID: ID-RFO-116T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
APP8, F002, F001, D008	Avg Min Max	Category: Defense TRU Waste	116	Isotope (Ci/m3)
	Iron-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		U-235 6.50E-07
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		Pu-242 1.00E-05
	Other Metals/Alloys: 0.0 0.0 0.0	PCBs: No		Pu-241 3.71E+00
	Other Inorganic Material: 2.9 0.0 7.2	Source: Other/Multiple Sources		Pu-240 1.39E-01
	Vitrified: 0.0 0.0 0.0			Pu-239 6.14E-01
	Cellulosics: 575.6 105.8 961.5			Pu-238 2.17E-02
	Rubber: 55.2 55.2 163.5			Am-241 6.66E-02
	Plastics: 165.6 105.8 288.5			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 37.0			
Packaging Material Lead: 0.0				
Packaging Material Steel Plug: 0.0				



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	2694.5	0.0	0.0	0.0	0.0	2694.5	55 Gallon Drum	2695.3	0.0	0.0	0.0	0.0	2695.3
Drum	0.6	0.0	0.0	0.0	0.0	0.6	Totals	2695.3	0.0	0.0	0.0	0.0	2695.3
Totals	2695.1	0.0	0.0	0.0	0.0	2695.1							

As-Generated Form: Stored: 2695.1 Projected: 0.0 Total: 2695.1 Final Waste Form: Stored: 2695.3 Projected: 0.0 Total: 2695.3

TWBIR ID: IN-W186.187

Appendix P

DOE/CAO-96-1121

WASTE STREAM DESCRIPTION	TRU combustible waste consists of cellulosic plastic or cloth waste from various processes. The content codes packaged and included in 116 are 330, 336, 337, and 491.
WASTE STREAM SOURCE	This waste stream was generated at All Rocky Flats Plant Plutonium Areas: Production. The generating process is: Various
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W187	Handling: CH	NMVP #: N/A	Stream Name: EQUIPMENT:Direct Ship	Inventory Date:
Local ID: ID-RFO-980T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3123

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
F002, F001, D008

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

N/A

Isotope (Ci/m3)

Pu-242	4.93E-05
Pu-241	1.82E+01
Pu-240	6.85E-01
Pu-239	3.02E+00
Pu-238	1.07E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	<p>The information for this code is unclear, except that the waste stream consists of only one drum and was generated at the Rocky Flats Plant in 1973.</p> <p>Assay records indicate that the drum contains Content Code 290 sludge, and that the sludge may be in a single bottle. It is assumed that drum preparation, packaging, and inspection were done according to post-1972 procedures. Information given is for IDC 290 sludge.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [EQUIPMENT] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W187, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W187	Handling: CH	NMVP #: N/A	Stream Name: EQUIPMENT:Uncertifiable	Inventory Date:
Local ID: ID-RFO-980T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3123

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
F002, F001, D008

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	9.86E-05
Pu-241	3.65E+01
Pu-240	1.37E+00
Pu-239	6.04E+00
Pu-238	2.13E-01

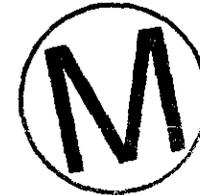


WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 **Final Waste Form:** Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	<p>The information for this code is unclear, except that the waste stream consists of only one drum and was generated at the Rocky Flats Plant in 1973.</p> <p>Assay records indicate that the drum contains Content Code 290 sludge, and that the sludge may be in a single bottle. It is assumed that drum preparation, packaging, and inspection were done according to post-1972 procedures. Information given is for IDC 290 sludge.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [EQUIPMENT] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitri TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W187, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W188	Handling: CH	NMVP #: N/A	Stream Name: BLDG 776 PROCESS SLUDGE: Cert-repack	Inventory Date:
Local ID: ID-RFO-976T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3120

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D009, D008, D007, D006, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	3.4	3.4	3.4
Other Inorganic Material:	34.8	0.0	85.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	9.4	8.7	9.8
Solidified Inorganic Material:	463.2	321.6	568.2
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	308.8	214.4	378.8
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:

Residues:

Asbestos:

PCBs:

Source:

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.01E-05
Pu-241	7.43E+00
Pu-240	2.79E-01
Pu-239	1.23E+00
Pu-238	4.34E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	1.0	0.0	0.0	0.0	0.0	1.0

As-Generated Form: Stored: Projected: Total: Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION	This waste is from Rocky Flats and consists of sludge from floor drains in a Pu process facility that have been cemented in portland. The cement is described as a poor grade. Also may be laundry sludges, material contents given are for an organic laundry sludge.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [BLDG 776 PROCESS SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W188, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W188	Handling: CH	NMVP #: N/A	Stream Name: BLDG 776 PROCESS SLUDGE Direct Ship	Inventory Date:
Local ID: ID-RFO-976T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3120

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D009, D008, D007, D006, D002
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	1.0	1.0	1.0
Other Inorganic Material:	11.7	1.0	27.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	10.6	0.0	25.9
Rubber:	0.0	0.0	0.0
Plastics:	2.9	2.7	3.0
Solidified Inorganic Material:	282.4	196.1	346.4
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	188.3	130.7	230.9
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.01E-05
Pu-241	7.43E+00
Pu-240	2.79E-01
Pu-239	1.23E+00
Pu-238	4.34E-02



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This waste is from Rocky Flats and consists of sludge from floor drains in a Pu process facility that have been cemented in portland. The cement is described as a poor grade. Also may be laundry sludges, material contents given are for an organic laundry sludge.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [BLDG 776 PROCESS SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W188, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W189	Handling: CH	NMVP #: N/A	Stream Name: BENELEX AND PLEXIGLASS: Cert-repack	Inventory Date:
Local ID: ID-RFO-464T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED EPA CODES
APP8, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)	Avg	Min	Max
	Iron-base Metal/Alloys:	1.9	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	7.7	0.0	0.0
Other Inorganic Material:	111.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	39.2	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	203.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Remediation/D&D Waste

TRUCON CODE
221

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.34E-05
Pu-241	4.95E+00
Pu-240	1.86E-01
Pu-239	8.20E-01
Pu-238	2.90E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	4.9	0.0	0.0	0.0	0.0	4.9	55 Gallon Drum	5.0	0.0	0.0	0.0	0.0	5.0
Totals	4.9	0.0	0.0	0.0	0.0	4.9	Totals	5.0	0.0	0.0	0.0	0.0	5.0

As-Generated Form: Stored: 4.9 Projected: 0.0 Total: 4.9 **Final Waste Form:** Stored: 5.0 Projected: 0.0 Total: 5.0

WASTE STREAM DESCRIPTION



This waste, generated at Rocky Flats Plant, consists of Benelex, which is used for neutron shielding, and Plexiglas glovebox windows. Lead sheeting (1/8 to 1/4 in. thick) may be attached to some benelex pieces. Benelex was usually coated with fire-retardant paint. In addition to Plexiglas, other types of glass such as leaded-glass may be present in the waste.

The waste may include limited amounts of surgeons' gloves, metal hinges on Benelex gloveport doors, pieces of angle iron attached to larger pieces of Benelex, and rubber gaskets from glovebox windows. Content code 302 replaced content code 464 during 1973.

The majority of waste drums will contain pieces of benelex (gloveport doors, etc.) generated from routine maintenance and renovation projects conducted primarily in 1972. Plexiglas and other types of glass may be found mixed in with the benelex and/or segregated and contained in a limited number of waste drums. Pieces of benelex waste were usually placed directly into prepared 55-gallon drums. Any contaminated Benelex was usually contained in plastic bags or wrapped in plastic sheeting. Plexiglas windows were usually contained in plastic before being placed in a prepared 55-gallon drum. Oil dri may have been added to the waste drums.

The waste boxes were generated during 1973 and 1974 and are believed to contain larger pieces of benelex shielding on angle iron frames that were removed during final fire cleanup operations in building 776. It is believed that the benelex came from the south foundry line in building 776, which was not directly involved in the 1969 fire and was decontaminated and placed back in operation.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [BENELEX AND PLEXIGLASS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W189, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W189	Handling: CH	NMVP #: N/A	Stream Name: BENELEX AND PLEXIGLASS:Direct Ship	Inventory Date:
Local ID: ID-RFO-464T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

**AS-GENERATED
EPA CODES**
APP8, F001, D008



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	1.6	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	6.5	0.0	0.0
Other Inorganic Material:	93.9	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	33.1	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	171.7	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	153.2		
Packaging Material Plastic:	31.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Remediation/D&D Waste

TRUCON CODE

221

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.34E-05
Pu-241	4.95E+00
Pu-240	1.86E-01
Pu-239	8.20E-01
Pu-238	2.90E-02

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3
Totals	1.3	0.0	0.0	0.0	0.0	1.3

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	1.2	0.0	0.0	0.0	0.0	1.2
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	1.7	0.0	0.0	0.0	0.0	1.7

As-Generated Form: Stored: 1.3 Projected: 0.0 Total: 1.3

Final Waste Form: Stored: 1.7 Projected: 0.0 Total: 1.7

WASTE STREAM DESCRIPTION

This waste, generated at Rocky Flats Plant, consists of Benelex, which is used for neutron shielding, and Plexiglas glovebox windows. Lead sheeting (1/8 to 1/4 in. thick) may be attached to some benelex pieces. Benelex was usually coated with fire-retardant paint. In addition to Plexiglas, other types of glass such as leaded-glass may be present in the waste.

The waste may include limited amounts of surgeons' gloves, metal hinges on Benelex gloveport doors, pieces of angle iron attached to larger pieces of Benelex, and rubber gaskets from glovebox windows. Content code 302 replaced content code 464 during 1973.

The majority of waste drums will contain pieces of benelex (gloveport doors, etc.) generated from routine maintenance and renovation projects conducted primarily in 1972. Plexiglas and other types of glass may be found mixed in with the benelex and/or segregated and contained in a limited number of waste drums. Pieces of benelex waste were usually placed directly into prepared 55-gallon drums. Any contaminated Benelex was usually contained in plastic bags or wrapped in plastic sheeting. Plexiglas windows were usually contained in plastic before being placed in a prepared 55-gallon drum. Oil dri may have been added to the waste drums.

The waste boxes were generated during 1973 and 1974 and are believed to contain larger pieces of benelex shielding on angle iron frames that were removed during final fire cleanup operations in building 776. It is believed that the benelex came from the south foundry line in building 776, which was not directly involved in the 1969 fire and was decontaminated and placed back in operation.

**WASTE STREAM SOURCE**

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [BENELEX AND PLEXIGLASS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W189, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W197	Handling: CH	NMVP #: N/A	Stream Name: MOIST PAPER AND RAGS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-336T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max				
APP8, F005, F003, F002, F001, D022, D008, D002, D001	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		U-235 9.73E-05
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-242 1.11E-03
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-241 4.12E+02
	Vitrified:	2500.0	2500.0	2500.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-240 1.55E+01
	Cellulosics:	0.0	0.0	0.0			Pu-239 6.82E+01
	Rubber:	0.0	0.0	0.0			Pu-238 2.41E+00
	Plastics:	0.0	0.0	0.0			Am-241 8.23E+01
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	131.0					
	Packaging Material Plastic:	0.0					
	Packaging Material Lead:	0.0					
	Packaging Material Steel Plug:	0.0					

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	66.6	0.0	0.0	0.0	0.0	66.6	55 Gallon Drum	2.3	0.0	0.0	0.0	0.0	2.3
Drum	145.2	0.0	0.0	0.0	0.0	145.2	Totals	2.3	0.0	0.0	0.0	0.0	2.3
Totals	211.8	0.0	0.0	0.0	0.0	211.8							

As-Generated Form: Stored: 211.8 Projected: 0.0 Total: 211.8 Final Waste Form: Stored: 2.3 Projected: 0.0 Total: 2.3



WASTE STREAM DESCRIPTION



The waste stream is from the Rocky Flats Plant and primarily consists of damp or wet line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, canvas, cardboard, wood, PE bottles, and rubber. Some combustibles may be damp or moist. Moisture content may range from damp to wet and may include water, soaps, nitric acid, or caustic solutions. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, and metal scrap may also be present. These wastes are mostly from decontamination and cleanup work and may be from any plutonium area.

Wastes shipped to INEL after 1975 require some processing to remove free liquids, aerosol cans or other noncertifiable materials. Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Combustibles in the waste exceed 25 volume percent. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. Some free liquids may be present. No explosives or compressed gases are present after 1976. No aerosol cans are present after 1977. Prior to 1975 some spontaneous ignition material and nitric acid may be included.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into drums, or single or double contained in plastic. Some waste may also be placed in PE bottles and then double bagged. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. The waste is contained in one to four layers of plastic. Oil-Dri and portland cement were added in layers with the waste. Depending on moisture conditions, the amount of absorbent varies from 25-200 lb per box. Boxes were prepared according to pre and post-1972 procedures.

After 1974, waste was typically double contained in PVC and PE bags or else placed in PE bottles and then double-bagged. Absorbent was not added to the waste. Until 1977, some of the waste was compacted in prepared waste drums. Some drummed waste was also repacked into boxes to reduce volume. All drums are assayed. The fissile content of boxes is determined from the combined assays of the waste drums emptied into the boxes. After 1980, boxes received a second assay. Drums containing wastes from the Americium Recovery Line are lead-lined.

WASTE STREAM SOURCE

This record represents the [CH-Uncert] portion (27.21%) of the MWIR waste stream, [MOIST PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W197, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W197	Handling: RH	NMVP #: 116	Stream Name: MOIST PAPER AND RAGS:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-336T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D022,
D008, D002, D001



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.5	0.0	3.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	1.4	0.0	8.5
Other Inorganic Material:	12.8	0.0	48.6
Vitrified:	0.0	0.0	0.0
Cellulosics:	33.1	1.1	105.3
Rubber:	6.4	0.0	41.6
Plastics:	50.6	9.1	176.5
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	454.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category:

Residues:

Asbestos:

PCBs:

Source:

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.73E-07
Pu-242	1.11E-05
Pu-241	4.12E+00
Pu-240	1.55E-01
Pu-239	6.82E-01
Pu-238	2.41E-02
Am-241	8.23E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	11.2	0.0	0.0	0.0	0.0	11.2	RH Canister used to overpack 55 gallon drums	16.6	0.0	0.0	0.0	0.0	16.6
Totals	11.2	0.0	0.0	0.0	0.0	11.2	Totals	16.6	0.0	0.0	0.0	0.0	16.6

As-Generated Form: Stored: Projected: Total:

Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION

The waste stream is from the Rocky Flats Plant and primarily consists of damp or wet line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, canvas, cardboard, wood, PE bottles, and rubber. Some combustibles may be damp or moist. Moisture content may range from damp to wet and may include water, soaps, nitric acid, or caustic solutions. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, and metal scrap may also be present. These wastes are mostly from decontamination and cleanup work and may be from any plutonium area.

Wastes shipped to INEL after 1975 require some processing to remove free liquids, aerosol cans or other noncertifiable materials. Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/r3 for boxes to over 14 lb/r3 for drums. Combustibles in the waste exceed 25 volume percent. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. Some free liquids may be present. No explosives or compressed gases are present after 1976. No aerosol cans are present after 1977. Prior to 1975 some spontaneous ignition material and nitric acid may be included.



Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into drums, or single or double contained in plastic. Some waste may also be placed in PE bottles and then double bagged. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. The waste is contained in one to four layers of plastic. Oil-Dri and portland cement were added in layers with the waste. Depending on moisture conditions, the amount of absorbent varies from 25-200 lb per box. Boxes were prepared according to pre and post-1972 procedures.

After 1974, waste was typically double contained in PVC and PE bags or else placed in PE bottles and then double-bagged. Absorbent was not added to the waste. Until 1977, some of the waste was compacted in prepared waste drums. Some drummed waste was also repacked into boxes to reduce volume. All drums are assayed. The fissile content of boxes is determined from the combined assays of the waste drums emptied into the boxes. After 1980, boxes received a second assay. Drums containing wastes from the Americium Recovery Line are lead-lined.

WASTE STREAM SOURCE

This record represents the [RH-Cert-repack] portion (1.45%) of the MWIR waste stream, [MOIST PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W197, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W197	Handling: RH	NMVP #: N/A	Stream Name: MOIST PAPER AND RAGS:RH-Uncert	Inventory Date:
Local ID: ID-RFO-336T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D022, D008, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

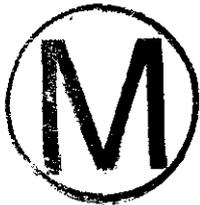
FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.73E-05
Pu-242	1.11E-03
Pu-241	4.12E+02
Pu-240	1.55E+01
Pu-239	6.82E+01
Pu-238	2.41E+00
Am-241	8.23E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	4.7	0.0	0.0	0.0	0.0	4.7	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	4.7	0.0	0.0	0.0	0.0	4.7	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 4.7 Projected: 0.0 Total: 4.7 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2



WASTE STREAM DESCRIPTION



The waste stream is from the Rocky Flats Plant and primarily consists of damp or wet line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, canvas, cardboard, wood, PE bottles, and rubber. Some combustibles may be damp or moist. Moisture content may range from damp to wet and may include water, soaps, nitric acid, or caustic solutions. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, and metal scrap may also be present. These wastes are mostly from decontamination and cleanup work and may be from any plutonium area.

Wastes shipped to INEL after 1975 require some processing to remove free liquids, aerosol cans or other noncertifiable materials. Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Combustibles in the waste exceed 25 volume percent. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. Some free liquids may be present. No explosives or compressed gases are present after 1976. No aerosol cans are present after 1977. Prior to 1975 some spontaneous ignition material and nitric acid may be included.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into drums, or single or double contained in plastic. Some waste may also be placed in PE bottles and then double bagged. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. The waste is contained in one to four layers of plastic. Oil-Dri and portland cement were added in layers with the waste. Depending on moisture conditions, the amount of absorbent varies from 25-200 lb per box. Boxes were prepared according to pre and post-1972 procedures.

After 1974, waste was typically double contained in PVC and PE bags or else placed in PE bottles and then double-bagged. Absorbent was not added to the waste. Until 1977, some of the waste was compacted in prepared waste drums. Some drummed waste was also repacked into boxes to reduce volume. All drums are assayed. The fissile content of boxes is determined from the combined assays of the waste drums emptied into the boxes. After 1980, boxes received a second assay. Drums containing wastes from the Americium Recovery Line are lead-lined.

WASTE STREAM SOURCE

This record represents the [RH-Uncert] portion (.62%) of the MWIR waste stream, [MOIST PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP;segpk IWPF;segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W197, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W197	Handling: CH	NMVP #: 116	Stream Name: MOIST PAPER AND RAGS:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-336T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D022, D008, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.7	0.0	4.4
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	2.0	0.0	12.2
Other Inorganic Material:	18.3	0.0	69.7
Vitrified:	0.0	0.0	0.0
Cellulosics:	47.4	1.6	151.0
Rubber:	9.1	0.0	59.7
Plastics:	72.6	13.1	253.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

116, 216

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.73E-07
Pu-242	1.11E-05
Pu-241	4.12E+00
Pu-240	1.55E-01
Pu-239	6.82E-01
Pu-238	2.41E-02
Am-241	8.23E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	510.4	0.0	0.0	0.0	0.0	510.4
Drum	34.1	0.0	0.0	0.0	0.0	34.1
Totals	544.5	0.0	0.0	0.0	0.0	544.5

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	510.2	0.0	0.0	0.0	0.0	510.2
Totals	510.2	0.0	0.0	0.0	0.0	510.2

As-Generated Form: Stored: 544.5 Projected: 0.0 Total: 544.5

Final Waste Form: Stored: 510.2 Projected: 0.0 Total: 510.2

WASTE STREAM DESCRIPTION

The waste stream is from the Rocky Flats Plant and primarily consists of damp or wet line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, canvas, cardboard, wood, PE bottles, and rubber. Some combustibles may be damp or moist. Moisture content may range from damp to wet and may include water, soaps, nitric acid, or caustic solutions. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, and metal scrap may also be present. These wastes are mostly from decontamination and cleanup work and may be from any plutonium area.

Wastes shipped to INEL after 1975 require some processing to remove free liquids, aerosol cans or other noncertifiable materials. Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Combustibles in the waste exceed 25 volume percent. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. Some free liquids may be present. No explosives or compressed gases are present after 1976. No aerosol cans are present after 1977. Prior to 1975 some spontaneous ignition material and nitric acid may be included.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into drums, or single or double contained in plastic. Some waste may also be placed in PE bottles and then double bagged. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. The waste is contained in one to four layers of plastic. Oil-Dri and portland cement were added in layers with the waste. Depending on moisture conditions, the amount of absorbent varies from 25-200 lb per box. Boxes were prepared according to pre and post-1972 procedures.

After 1974, waste was typically double contained in PVC and PE bags or else placed in PE bottles and then double-bagged. Absorbent was not added to the waste. Until 1977, some of the waste was compacted in prepared waste drums. Some drummed waste was also repacked into boxes to reduce volume. All drums are assayed. The fissile content of boxes is determined from the combined assays of the waste drums emptied into the boxes. After 1980, boxes received a second assay. Drums containing wastes from the Americium Recovery Line are lead-lined.



WASTE STREAM SOURCE

This record represents the [CH-Cert-repack] portion (65.54%) of the MWIR waste stream, [MOIST PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W197, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W197	Handling: CH	NMVP #: 116	Stream Name: MOIST PAPER AND RAGS: Direct Ship	Inventory Date:
Local ID: ID-RFO-336T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D022, D008, D002, D001



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.6	0.0	3.9
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	1.8	0.0	10.8
Other Inorganic Material:	16.1	0.0	61.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	41.8	1.4	133.3
Rubber:	8.0	0.0	52.7
Plastics:	64.1	11.6	223.3
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.9		
Packaging Material Plastic:	32.9		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

116, 216

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	8.73E-07
Pu-242	1.11E-05
Pu-241	4.12E+00
Pu-240	1.55E-01
Pu-239	6.82E-01
Pu-238	2.41E-02
Am-241	8.23E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					Final Waste Form Volumes							
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	40.3	0.0	0.0	0.0	0.0	40.3	55 Gallon Drum	35.8	0.0	0.0	0.0	0.0	35.8
Totals	40.3	0.0	0.0	0.0	0.0	40.3	SWB used to overpack 55 gallon drums	9.4	0.0	0.0	0.0	0.0	9.4
							Totals	45.2	0.0	0.0	0.0	0.0	45.2

As-Generated Form: Stored: 40.3 Projected: 0.0 Total: 40.3 Final Waste Form: Stored: 45.2 Projected: 0.0 Total: 45.2

WASTE STREAM DESCRIPTION

The waste stream is from the Rocky Flats Plant and primarily consists of damp or wet line- and nonline-generated dry combustible materials such as paper, rags, plastics, surgical gloves, canvas, cardboard, wood, PE bottles, and rubber. Some combustibles may be damp or moist. Moisture content may range from damp to wet and may include water, soaps, nitric acid, or caustic solutions. Limited amounts of noncombustibles such as glass, concrete, cement, leaded glovebox gloves, and metal scrap may also be present. These wastes are mostly from decontamination and cleanup work and may be from any plutonium area.

Wastes shipped to INEL after 1975 require some processing to remove free liquids, aerosol cans or other noncertifiable materials. Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Combustibles in the waste exceed 25 volume percent. Although limited fines are expected from floor sweepings, powder, etc., levels of fines should be within WIPP-WAC limits. Some free liquids may be present. No explosives or compressed gases are present after 1976. No aerosol cans are present after 1977. Prior to 1975 some spontaneous ignition material and nitric acid may be included.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into drums, or single or double contained in plastic. Some waste may also be placed in PE bottles and then double bagged. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. The waste is contained in one to four layers of plastic. Oil-Dri and portland cement were added in layers with the waste. Depending on moisture conditions, the amount of absorbent varies from 25-200 lb per box. Boxes were prepared according to pre and post-1972 procedures.

After 1974, waste was typically double contained in PVC and PE bags or else placed in PE bottles and then double-bagged. Absorbent was not added to the waste. Until 1977, some of the waste was compacted in prepared waste drums. Some drummed waste was also repacked into boxes to reduce volume. All drums are assayed. The fissile content of boxes is determined from the combined assays of the waste drums emptied into the boxes. After 1980, boxes received a second assay. Drums containing wastes from the Americium Recovery Line are lead-lined.



WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (5.18%) of the MWIR waste stream, [MOIST PAPER AND RAGS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W197, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W198	Handling: CH	NMVP #: 116	Stream Name: PLASTICS, TEFLON, WASH, PVC:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-337T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5440

AS-GENERATED EPA CODES
 APP8, F005, F003, F002, F001, D029, D022, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.2	0.0	1.1
Other Inorganic Material:	21.9	7.4	49.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	21.5	0.0	141.0
Rubber:	71.3	0.0	317.0
Plastics:	56.6	0.0	102.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE
 116, 216

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.00E-08
Pu-242	5.11E-05
Pu-241	5.36E+00
Pu-240	2.01E-01
Pu-239	8.87E-01
Pu-238	3.13E-02
Np-237	2.28E-05
Am-241	1.62E+00



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	22.2	0.0	0.0	0.0	0.0	22.2
Drum	97.3	0.0	0.0	0.0	0.0	97.3
Totals	119.5	0.0	0.0	0.0	0.0	119.5

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	119.6	0.0	0.0	0.0	0.0	119.6
Totals	119.6	0.0	0.0	0.0	0.0	119.6

As-Generated Form: Stored: 119.5 Projected: 0.0 Total: 119.5

Final Waste Form: Stored: 119.6 Projected: 0.0 Total: 119.6

WASTE STREAM DESCRIPTION



This waste stream is from the Rocky Flats Plant and consists of various types of plastics such as PE, polyvinyl chloride (PVC), Teflon (TFE), and nonleaded rubber items. The waste may be bags, vials, bottles, sheeting, and surgical gloves. Some other combustible wastes such as respirator facemasks and paper may be included. Some small amounts of noncombustible wastes may also be present.

Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Levels of fines should be within WIPP-WAC limits, since added adsorbents are not included in the fines evaluation. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into prepared drums, or double contained in plastic bags. Small amounts of portland cement were added to bottles to absorb any residual liquids. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri or vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. Boxes were prepared according to pre and post-1972 procedures. Some of the waste containers are lead-lined.

WASTE STREAM SOURCE

This record represents the [CH-Cert-repack] portion (70.11%) of the MWIR waste stream, (PLASTICS, TEFLON, WASH, PVC) after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:dsp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W198, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total Inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W198	Handling: CH	NMVP #: N/A	Stream Name: PLASTICS, TEFLON, WASH, PVC:CH-Uncert	Inventory Date:
Local ID: ID-RFO-337T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5440

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D029,
D022, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.00E-06
Pu-242	5.11E-03
Pu-241	5.36E+02
Pu-240	2.01E+01
Pu-239	8.87E+01
Pu-238	3.13E+00
Np-237	2.28E-03
Am-241	1.62E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	20.1	0.0	0.0	0.0	0.0	20.1	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	20.1	0.0	0.0	0.0	0.0	20.1	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 20.1 Projected: 0.0 Total: 20.1 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION

This waste stream is from the Rocky Flats Plant and consists of various types of plastics such as PE, polyvinyl chloride (PVC), Teflon (TFE), and nonleaded rubber items. The waste may be bags, vials, bottles, sheeting, and surgical gloves. Some other combustible wastes such as respirator facemasks and paper may be included. Some small amounts of noncombustible wastes may also be present.



Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Levels of fines should be within WIPP-WAC limits, since added adsorbents are not included in the fines evaluation. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into prepared drums, or double contained in plastic bags. Small amounts of portland cement were added to bottles to absorb any residual liquids. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri or vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. Boxes were prepared according to pre and post-1972 procedures. Some of the waste containers are lead-lined.

WASTE STREAM SOURCE

This record represents the [CH-Uncert] portion (11.8%) of the MWIR waste stream, [PLASTICS, TEFLON, WASH, PVC] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W198, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W198	Handling: RH	NMVP #: 116	Stream Name: PLASTICS, TEFLON, WASH, PVC:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-337T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5440

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F005, F003, F002, F001, D029, D022, D008
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	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.2	0.0	0.8
Other Inorganic Material:	15.3	5.2	34.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	15.0	0.0	98.3
Rubber:	49.7	0.0	221.1
Plastics:	39.5	0.0	71.1
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

116, 216

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.00E-08
Pu-242	5.11E-05
Pu-241	5.36E+00
Pu-240	2.01E-01
Pu-239	8.87E-01
Pu-238	3.13E-02
Np-237	2.28E-05
Am-241	1.62E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	RH Canister used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	2.4	0.0	0.0	0.0	0.0	2.4

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8 Final Waste Form: Stored: 2.4 Projected: 0.0 Total: 2.4



WASTE STREAM DESCRIPTION

This waste stream is from the Rocky Flats Plant and consists of various types of plastics such as PE, polyvinyl chloride (PVC), Teflon (TFE), and unleaded rubber items. The waste may be bags, vials, bottles, sheeting, and surgical gloves. Some other combustible wastes such as respirator facemasks and paper may be included. Some small amounts of noncombustible wastes may also be present.



Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Levels of fines should be within WIPP-WAC limits, since added adsorbents are not included in the fines evaluation. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into prepared drums, or double contained in plastic bags. Small amounts of portland cement were added to bottles to absorb any residual liquids. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri or vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. Boxes were prepared according to pre and post-1972 procedures. Some of the waste containers are lead-lined.

WASTE STREAM SOURCE

This record represents the [RH-Cert-repack] portion (.52%) of the MWIR waste stream, {PLASTICS, TEFLON, WASH, PVC} after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:dlsp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W198, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W198	Handling: RH	NMVP #: N/A	Stream Name: PLASTICS, TEFLON, WASH, PVC:RH-Uncert	Inventory Date:
Local ID: ID-RFO-337T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5440

AS-GENERATED EPA CODES
 APP8, F005, F003, F002, F001, D029, D022, D008

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS	
Category:	Defense TRU Waste
Residues:	No
Asbestos:	Unknown
PCBs:	No
Source:	Facility/Equipment Operation and Maintenance Waste

TRUCON CODE	FINAL FORM RADIONUCLIDES
N/A	Isotope (Ci/m3)
	U-235 9.00E-06
	Pu-242 5.11E-03
	Pu-241 5.36E+02
	Pu-240 2.01E+01
	Pu-239 8.87E+01
	Pu-238 3.13E+00
	Np-237 2.28E-03
	Am-241 1.62E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2



WASTE STREAM DESCRIPTION

This waste stream is from the Rocky Flats Plant and consists of various types of plastics such as PE, polyvinyl chloride (PVC), Teflon (TFE), and nonleaded rubber items. The waste may be bags, vials, bottles, sheeting, and surgical gloves. Some other combustible wastes such as respirator facemasks and paper may be included. Some small amounts of noncombustible wastes may also be present.



Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Levels of fines should be within WIPP-WAC limits, since added adsorbents are not included in the fines evaluation. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into prepared drums, or double contained in plastic bags. Small amounts of portland cement were added to bottles to absorb any residual liquids. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri or vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. Boxes were prepared according to pre and post-1972 procedures. Some of the waste containers are lead-lined.

WASTE STREAM SOURCE

This record represents the [RH-Uncert] portion (.17%) of the MWIR waste stream, [PLASTICS, TEFLON, WASH, PVC] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitri TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W198, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W198	Handling: CH	NMVP #: 116	Stream Name: PLASTICS, TEFLON, WASH, PVC:Direct Ship	Inventory Date:
Local ID: ID-RFO-337T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5440

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D022, D008
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.2	0.0	1.0
Other Inorganic Material:	19.4	6.6	43.6
Vitrified:	0.0	0.0	0.0
Cellulosics:	19.1	0.0	125.0
Rubber:	63.2	0.0	281.1
Plastics:	50.2	0.0	90.4
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

116, 216

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.00E-08
Pu-242	5.11E-05
Pu-241	5.36E+00
Pu-240	2.01E-01
Pu-239	8.87E-01
Pu-238	3.13E-02
Np-237	2.28E-05
Am-241	1.62E+00

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	29.7	0.0	0.0	0.0	0.0	29.7
Totals	29.7	0.0	0.0	0.0	0.0	29.7

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	26.2	0.0	0.0	0.0	0.0	26.2
SWB used to overpack 55 gallon drums	6.6	0.0	0.0	0.0	0.0	6.6
Totals	32.8	0.0	0.0	0.0	0.0	32.8

As-Generated Form: Stored: 29.7 Projected: 0.0 Total: 29.7

Final Waste Form: Stored: 32.8 Projected: 0.0 Total: 32.8



WASTE STREAM DESCRIPTION

This waste stream is from the Rocky Flats Plant and consists of various types of plastics such as PE, polyvinyl chloride (PVC), Teflon (TFE), and nonleaded rubber items. The waste may be bags, vials, bottles, sheeting, and surgical gloves. Some other combustible wastes such as respirator facemasks and paper may be included. Some small amounts of noncombustible wastes may also be present.



Information is lacking for waste shipped prior to 1975. The average waste organic material content may range from 6 lb/ft³ for boxes to over 14 lb/ft³ for drums. Levels of fines should be within WIPP-WAC limits, since added adsorbents are not included in the fines evaluation. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. For wastes generated prior to 1975, packaging information is incomplete. Waste may be placed directly into prepared drums, or double contained in plastic bags. Small amounts of portland cement were added to bottles to absorb any residual liquids. Oil-Dri may have been added to some drums. Drums were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri or vermiculite) were added according to standard procedures.

Some waste was also containerized in plywood boxes. Boxes were prepared according to pre and post-1972 procedures. Some of the waste containers are lead-lined.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (17.4%) of the MWIR waste stream, [PLASTICS, TEFLON, WASH, PVC] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W198, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W199	Handling: CH	NMVP #: N/A	Stream Name: WASHABLES, RUBBER, PLASTICS:Direct Ship	Inventory Date:
Local ID: ID-RFO-460T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max			
FO02, FO01	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-242 6.05E-05
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-241 2.24E+01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-240 8.41E-01
	Vitrified:	0.0	0.0	0.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-239 3.71E+00
	Cellulosics:	0.0	0.0	0.0			Pu-238 1.31E-01
	Rubber:	0.0	0.0	0.0			
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	174.1					
	Packaging Material Plastic:	0.0					
	Packaging Material Lead:	0.0					
	Packaging Material Steel Plug:	0.0					



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	There is very little content information for this waste stream, which consists of washables, rubber, and plastic wastes from the Rocky Flats Plant . Waste matrix composition has been split equally among rubber, rags, and plastic.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [WASHABLES, RUBBER, PLASTICS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W199, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W199	Handling: CH	NMVP #: N/A	Stream Name: WASHABLES, RUBBER, PLASTICS:Uncertifiable	Inventory Date:
Local ID: ID-RFO-460T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5300

**AS-GENERATED
EPA CODES**

F002, F001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:

Residues:

Asbestos:

PCBs:

Source:

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.05E-03
Pu-241	2.24E+03
Pu-240	8.41E+01
Pu-239	3.71E+02
Pu-238	1.31E+01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	1.1	0.0	0.0	0.0	0.0	1.1	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: Projected: Total:

Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION	There is very little content information for this waste stream, which consists of washables, rubber, and plastic wastes from the Rocky Flats Plant. Waste matrix composition has been split equally among rubber, rags, and plastic.
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [WASHABLES, RUBBER, PLASTICS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W199, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W202	Handling: CH	NMVP #: N/A	Stream Name: WOOD:Direct Ship	Inventory Date:
Local ID: ID-RFO-970T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

F003, F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	14.5	11.4	17.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	130.6	119.4	141.9
Rubber:	0.0	0.0	0.0
Plastics:	97.5	10.4	260.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	174.1		
Packaging Material Plastic:	26.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: R&D/R&D Laboratory Waste

TRUCON CODE

216

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.97E-06
Pu-241	1.47E+00
Pu-240	5.53E-02
Pu-239	2.44E-01
Pu-238	8.60E-03

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4

Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9



WASTE STREAM DESCRIPTION

This waste stream is from the Rocky Flats Plant and primarily consists of wood in the form of lumber, plywood, filter frames, and possibly ladders. Some other items such as plastic sheeting, Kimwipes, and other combustibles are also present. Plastic sheeting may have some paint coatings. Limited noncombustibles such as nails and sheetrock may also be included.



Content Code 970 has not been used since 1978; it is similar to Content Code 330. The average waste organic material content usually exceeds 6 lb/ft³ for boxes and 14 lb/ft³ for drums. Although limited sawdust fines are expected, levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. Most wastes were placed directly into prepared boxes. Waste such as filter frames were flattened, double-bagged, and placed in prepared 55-gallon drums.

Drums and boxes were prepared according to pre-and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures. All drums are assayed. The fissile content of boxes is determined by surveying the contents and calculating the quantity of fissile material.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (.39%) of the MWIR waste stream, [WOOD] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W202, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W202	Handling: CH	NMVP #: N/A	Stream Name: WOOD: Cert-repack	Inventory Date:
Local ID: ID-RFO-970T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

F003, F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	20.7	16.3	24.9
Vitrified:	0.0	0.0	0.0
Cellulosics:	186.0	170.0	202.0
Rubber:	0.0	0.0	0.0
Plastics:	138.8	14.8	371.3
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

216

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.97E-06
Pu-241	1.47E+00
Pu-240	5.53E-02
Pu-239	2.44E-01
Pu-238	8.60E-03

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	107.8	0.0	0.0	0.0	0.0	107.8
Drum	1.7	0.0	0.0	0.0	0.0	1.7
Totals	109.5	0.0	0.0	0.0	0.0	109.5

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	109.6	0.0	0.0	0.0	0.0	109.6
Totals	109.6	0.0	0.0	0.0	0.0	109.6

As-Generated Form: Stored: 109.5 Projected: 0.0 Total: 109.5

Final Waste Form: Stored: 109.6 Projected: 0.0 Total: 109.6



WASTE STREAM DESCRIPTION

This waste stream is from the Rocky Flats Plant and primarily consists of wood in the form of lumber, plywood, filter frames, and possibly ladders. Some other items such as plastic sheeting, Kimwipes, and other combustibles are also present. Plastic sheeting may have some paint coatings. Limited noncombustibles such as nails and sheetrock may also be included.



Content Code 970 has not been used since 1978; it is similar to Content Code 330. The average waste organic material content usually exceeds 6 lb/r3 for boxes and 14 lb/r3 for drums. Although limited sawdust fines are expected, levels of fines should be within WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. Most wastes were placed directly into prepared boxes. Waste such as filter frames were flattened, double-bagged, and placed in prepared 55-gallon drums.

Drums and boxes were prepared according to pre-and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures. All drums are assayed. The fissile content of boxes is determined by surveying the contents and calculating the quantity of fissile material.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (99.61%) of the MWIR waste stream, [WOOD] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W202, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W203	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE: Direct Ship	Inventory Date:
Local ID: ID-MDO-826T	Type: MTRU	Generator Site: MD	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m ³)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																				
D009	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.2</td><td>0.0</td><td>10.9</td></tr> <tr><td>Other Inorganic Material:</td><td>6.8</td><td>0.0</td><td>10.6</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>38.5</td><td>38.5</td><td>432.0</td></tr> <tr><td>Rubber:</td><td>11.8</td><td>11.8</td><td>118.8</td></tr> <tr><td>Plastics:</td><td>117.3</td><td>97.0</td><td>432.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>187.2</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>23.5</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.2	0.0	10.9	Other Inorganic Material:	6.8	0.0	10.6	Vitrified:	0.0	0.0	0.0	Cellulosics:	38.5	38.5	432.0	Rubber:	11.8	11.8	118.8	Plastics:	117.3	97.0	432.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	187.2			Packaging Material Plastic:	23.5			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Remediation/D&D Waste	N/A	<table border="1"> <thead> <tr> <th>Isotope</th> <th>Cl/m³</th> </tr> </thead> <tbody> <tr><td>Pu-242</td><td>3.78E-08</td></tr> <tr><td>Pu-241</td><td>3.95E-03</td></tr> <tr><td>Pu-240</td><td>1.07E-02</td></tr> <tr><td>Pu-239</td><td>2.20E-02</td></tr> <tr><td>Pu-238</td><td>9.02E-01</td></tr> <tr><td>Pu-236</td><td>5.06E-06</td></tr> <tr><td>Am-241</td><td>1.69E-01</td></tr> </tbody> </table>	Isotope	Cl/m ³	Pu-242	3.78E-08	Pu-241	3.95E-03	Pu-240	1.07E-02	Pu-239	2.20E-02	Pu-238	9.02E-01	Pu-236	5.06E-06	Am-241	1.69E-01
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7



WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, includes two different types of waste depending on when the waste was generated. Prior to 1980, this content code was used for glovebox floor sweepings and rust. The actual amount of floor sweepings is small. After 1981, this content code is used for large, combustible waste items such as plastic tanks, plexiglass shielding and windows, wood, and fiberglass conveyor glovebox sections. These types of large combustible wastes were included in Content Code 824 prior to 1980. Limited amounts of smaller combustibles such as shoe covers and surgical gloves are also included.

The organic content exceeds 6 lb/R3. The waste is 100 volume percent combustible. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

All of this waste is packaged in standard boxes. Each item is generally rinsed with water, wiped with wet rags and single or double contained in plastic. Some items were placed directly into boxes without additional containment, depending on contamination levels. Floor sweepings are contained in 1-gallon plastic-coated cardboard cartons. Florco absorbent is added to each box for residual liquids. Each box is assayed using a box counter, and spot radiation and contamination checks are also done.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (.16%) of the MWIR waste stream, [COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W203, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste is expected to be non-mixed after removal of cartons of mercury.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W203	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE: Cert-repack	Inventory Date:
Local ID: ID-MDO-826T	Type: MTRU	Generator Site: MD	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

**AS-GENERATED
EPA CODES**

D009

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.3	0.0	17.9
Other Inorganic Material:	11.1	0.0	17.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	63.0	63.0	706.7
Rubber:	19.3	19.3	194.4
Plastics:	191.8	158.7	706.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.78E-08
Pu-241	3.95E-03
Pu-240	1.07E-02
Pu-239	2.20E-02
Pu-238	9.02E-01
Pu-236	5.06E-06
Am-241	1.69E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	72.9	0.0	0.0	0.0	0.0	72.9	55 Gallon Drum	73.2	0.0	0.0	0.0	0.0	73.2
Totals	72.9	0.0	0.0	0.0	0.0	72.9	Totals	73.2	0.0	0.0	0.0	0.0	73.2

As-Generated Form: Stored: 72.9 Projected: 0.0 Total: 72.9

Final Waste Form: Stored: 73.2 Projected: 0.0 Total: 73.2

WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, includes two different types of waste depending on when the waste was generated. Prior to 1980, this content code was used for glovebox floor sweepings and rust. The actual amount of floor sweepings is small. After 1981, this content code is used for large, combustible waste items such as plastic tanks, plexiglass shielding and windows, wood, and fiberglass conveyor glovebox sections. These types of large combustible wastes were included in Content Code 824 prior to 1980. Limited amounts of smaller combustibles such as shoe covers and surgical gloves are also included.

The organic content exceeds 6 lb/ft³. The waste is 100 volume percent combustible. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

All of this waste is packaged in standard boxes. Each item is generally rinsed with water, wiped with wet rags and single or double contained in plastic. Some items were placed directly into boxes without additional containment, depending on contamination levels. Floor sweepings are contained in 1-gallon plastic-coated cardboard cartons. Florco absorbent is added to each box for residual liquids. Each box is assayed using a box counter, and spot radiation and contamination checks are also done.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (91.57%) of the MWIR waste stream, [COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W203, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste is expected to be non-mixed after removal of cartons of mercury.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W203	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE:Uncert-sweepings	Inventory Date:
Local ID: ID-MDO-826T	Type: MTRU	Generator Site: MD	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5300

AS-GENERATED EPA CODES WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

D009

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Remediation/D&D Waste

N/A

Isotope (Ci/m3)	
Pu-242	7.56E-08
Pu-241	7.90E-03
Pu-240	2.14E-02
Pu-239	4.40E-02
Pu-238	1.80E+00
Pu-236	1.01E-05
Am-241	3.38E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	6.3	0.0	0.0	0.0	0.0	6.3	55 Gallon Drum	3.3	0.0	0.0	0.0	0.0	3.3
Drum	0.2	0.0	0.0	0.0	0.0	0.2	Totals	3.3	0.0	0.0	0.0	0.0	3.3
Totals	6.6	0.0	0.0	0.0	0.0	6.6							

As-Generated Form: Stored: 6.6 Projected: 0.0 Total: 6.6

Final Waste Form: Stored: 3.3 Projected: 0.0 Total: 3.3

WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, includes two different types of waste depending on when the waste was generated. Prior to 1980, this content code was used for glovebox floor sweepings and rust. The actual amount of floor sweepings is small. After 1981, this content code is used for large, combustible waste items such as plastic tanks, plexiglass shielding and windows, wood, and fiberglass conveyor glovebox sections. These types of large combustible wastes were included in Content Code 824 prior to 1980. Limited amounts of smaller combustibles such as shoe covers and surgical gloves are also included.

The organic content exceeds 6 lb/lb. The waste is 100 volume percent combustible. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

All of this waste is packaged in standard boxes. Each item is generally rinsed with water, wiped with wet rags and single or double contained in plastic. Some items were placed directly into boxes without additional containment, depending on contamination levels. Floor sweepings are contained in 1-gallon plastic-coated cardboard cartons. Florco absorbent is added to each box for residual liquids. Each box is assayed using a box counter, and spot radiation and contamination checks are also done.

WASTE STREAM SOURCE

This record represents the [Uncert-sweepings] portion (8.25%) of the MWIR waste stream, [COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitri TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W203, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste is expected to be non-mixed after removal of cartons of mercury.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W203	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE:Uncert-Hg	Inventory Date:
Local ID: ID-MDO-826T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5300

**AS-GENERATED
EPA CODES**

D009

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.26E-08
Pu-241	1.32E-03
Pu-240	3.57E-03
Pu-239	7.33E-03
Pu-238	3.01E-01
Pu-236	1.69E-06
Am-241	5.63E-02

WASTE VOLUME DETAIL (cu. meters)

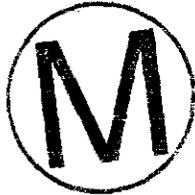
Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, includes two different types of waste depending on when the waste was generated. Prior to 1980, this content code was used for glovebox floor sweepings and rust. The actual amount of floor sweepings is small. After 1981, this content code is used for large, combustible waste items such as plastic tanks, plexiglass shielding and windows, wood, and fiberglass conveyor glovebox sections. These types of large combustible wastes were included in Content Code 824 prior to 1980. Limited amounts of smaller combustibles such as shoe covers and surgical gloves are also included.

The organic content exceeds 6 lb/ft³. The waste is 100 volume percent combustible. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.

All of this waste is packaged in standard boxes. Each item is generally rinsed with water, wiped with wet rags and single or double contained in plastic. Some items were placed directly into boxes without additional containment, depending on contamination levels. Floor sweepings are contained in 1-gallon plastic-coated cardboard cartons. Florco absorbent is added to each box for residual liquids. Each box is assayed using a box counter, and spot radiation and contamination checks are also done.

WASTE STREAM SOURCE

This record represents the [Uncert-Hg] portion (.02%) of the MWIR waste stream, [COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W203, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste is expected to be non-mixed after removal of cartons of mercury.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W204	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE EQUIPMENT DRUMS:Direct Ship	Inventory Date:
Local ID: ID-MDO-827T	Type: MTRU	Generator Site: MD	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																				
D009, D008	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tr> <td>Iron-base Metal/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Aluminum-base Metal/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Other Metals/Alloys:</td> <td>0.2</td> <td>0.0</td> <td>12.6</td> </tr> <tr> <td>Other Inorganic Material:</td> <td>7.8</td> <td>0.0</td> <td>12.1</td> </tr> <tr> <td>Vitrified:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Cellulosics:</td> <td>44.2</td> <td>44.2</td> <td>495.4</td> </tr> <tr> <td>Rubber:</td> <td>13.5</td> <td>13.5</td> <td>136.3</td> </tr> <tr> <td>Plastics:</td> <td>134.5</td> <td>111.3</td> <td>495.4</td> </tr> <tr> <td>Solidified Inorganic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Solidified Organic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Cement (solidified):</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Soils:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Packaging Material Steel:</td> <td>174.1</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Plastic:</td> <td>26.6</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Lead:</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Steel Plug:</td> <td>0.0</td> <td></td> <td></td> </tr> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.2	0.0	12.6	Other Inorganic Material:	7.8	0.0	12.1	Vitrified:	0.0	0.0	0.0	Cellulosics:	44.2	44.2	495.4	Rubber:	13.5	13.5	136.3	Plastics:	134.5	111.3	495.4	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	174.1			Packaging Material Plastic:	26.6			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Remediation/D&D Waste	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tr> <td>Pu-242</td> <td>2.69E-06</td> </tr> <tr> <td>Pu-241</td> <td>3.22E-01</td> </tr> <tr> <td>Pu-240</td> <td>5.04E-03</td> </tr> <tr> <td>Pu-239</td> <td>1.49E-02</td> </tr> <tr> <td>Pu-238</td> <td>9.17E+00</td> </tr> <tr> <td>Pu-236</td> <td>3.40E-04</td> </tr> <tr> <td>Am-241</td> <td>7.66E+00</td> </tr> </table>	Isotope (Ci/m3)		Pu-242	2.69E-06	Pu-241	3.22E-01	Pu-240	5.04E-03	Pu-239	1.49E-02	Pu-238	9.17E+00	Pu-236	3.40E-04	Am-241	7.66E+00
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9



WASTE STREAM DESCRIPTION	There is no content information on this code. This waste is probably like Content Code 826 (combustible equipment boxes) from Mound Laboratory except that it is smaller items which fit into drums instead of boxes.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [COMBUSTIBLE EQUIPMENT DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W204, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.
	This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W204	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE EQUIPMENT DRUMS: Cert-repack	Inventory Date:
Local ID: ID-MDO-827T	Type: MTRU	Generator Site: MD	Final Waste Form: Heterogeneous	Waste Matrix Code: S5300

**AS-GENERATED
EPA CODES**

D009, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.3	0.0	17.9
Other Inorganic Material:	11.1	0.0	17.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	63.0	63.0	706.7
Rubber:	19.3	19.3	194.4
Plastics:	191.8	158.7	706.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.69E-06
Pu-241	3.22E-01
Pu-240	5.04E-03
Pu-239	1.49E-02
Pu-238	9.17E+00
Pu-236	3.40E-04
Am-241	7.66E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3	55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7
Totals	1.3	0.0	0.0	0.0	0.0	1.3	Totals	1.7	0.0	0.0	0.0	0.0	1.7

As-Generated Form: Stored: 1.3 Projected: 0.0 Total: 1.3

Final Waste Form: Stored: 1.7 Projected: 0.0 Total: 1.7



WASTE STREAM DESCRIPTION	There is no content information on this code. This waste is probably like Content Code 826 (combustible equipment boxes) from Mound Laboratory except that it is smaller items which fit into drums instead of boxes.
WASTE STREAM SOURCE	This record represents the [Cert-repack] portion (79.98%) of the MWIR waste stream, [COMBUSTIBLE EQUIPMENT DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W204, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W204	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE EQUIPMENT DRUMS:Uncert-Hg	Inventory Date:
Local ID: ID-MDO-827T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
D009, D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	8.97E-07
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues:	No	Pu-241	1.07E-01
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos:	Unknown	Pu-240	1.68E-03
	Other Inorganic Material:	0.0	0.0	0.0	PCBs:	No	Pu-239	4.98E-03
	Vitrified:	0.0	0.0	0.0	Source:	Remediation/D&D Waste	Pu-238	3.06E+00
	Cellulosics:	0.0	0.0	0.0			Pu-236	1.13E-04
	Rubber:	0.0	0.0	0.0			Am-241	2.55E+00
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	There is no content information on this code. This waste is probably like Content Code 826 (combustible equipment boxes) from Mound Laboratory except that it is smaller items which fit into drums instead of boxes.
WASTE STREAM SOURCE	<p>This record represents the {Uncert-Hg} portion (.02%) of the MWIR waste stream, {COMBUSTIBLE EQUIPMENT DRUMS} after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W204, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W205	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY PLASTICS, PAPER, E: Cert-repack	Inventory Date:
Local ID: ID-RFO-900T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
F003, F002, F001, D008		Category: Defense TRU Waste	216	Isotope (Ci/m3)	
	Iron-base Metal/Alloys:	Avg 37.8 Min 4.4 Max 98.6		Residues: No	Pu-242 8.76E-07
	Aluminum-base Metal/Alloys:	0.0 0.0 0.0		Asbestos: Unknown	Pu-241 3.24E-01
	Other Metals/Alloys:	0.0 0.0 0.0		PCBs: No	Pu-240 1.22E-02
	Other Inorganic Material:	91.9 70.1 119.0		Source: Facility/Equipment Operation and Maintenance Waste	Pu-239 5.37E-02
	Vitrified:	0.0 0.0 0.0			Pu-238 1.90E-03
	Cellulosics:	131.0 63.6 251.0			
	Rubber:	23.0 8.7 36.3			
	Plastics:	18.0 31.5 49.0			
	Solidified Inorganic Material:	0.0 0.0 0.0			
	Solidified Organic Material:	0.0 0.0 0.0			
	Cement (solidified):	0.0 0.0 0.0			
	Soils:	0.0 0.0 0.0			
	Packaging Material Steel:	131.0			
	Packaging Material Plastic:	37.0			
Packaging Material Lead:	0.0				
Packaging Material Steel Plug:	0.0				

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	0.4	0.0	0.0	0.0	0.0	0.4	Totals	0.8	0.0	0.0	0.0	0.0	0.8

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.8 Projected: 0.0 Total: 0.8



WASTE STREAM DESCRIPTION



This waste stream is from the Rocky Flats Plant and primarily consists of nonline-generated combustible materials such as plastics, paper, empty PE bottles, bottles, paper, plastic sheeting, and surgical gloves. The waste may be dry or damp. Limited amounts of noncombustibles may also be present.

The waste stream is the same as Content Code 330 and has not been used since 1974 except for 3 barrels of U-238 contaminated wastes added in 1975. The waste stream is not discussed together with Content Code 330 because of some different descriptive information in the data base.

The waste is mostly low specific activity (LSA, <100 nci/g) which will not require shipment to WIPP. The average waste organic material content usually exceeds 14 lb/r3 for drums and 6 lb/r3 for boxes. Levels of fines should be within WIPP-WAC limits. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. Most wastes were placed directly into prepared 55-gallon drums or boxes. Up to 15 lb of portland cement was added where necessary to absorb small amounts of free liquids in containers.

Drums and boxes were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures. All drums are assayed. The fissile content of boxes is determined by surveying the contents and calculating the quantity of fissile material.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (79.1%) of the MWIR waste stream, [LOW SPECIFIC ACTIVITY PLASTICS, PAPER, E] after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W205, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W205	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY PLASTICS, PAPER, E:Uncert	Inventory Date:
Local ID: ID-RFO-903T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

F003, F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	8.76E-05
Pu-241	3.24E+01
Pu-240	1.22E+00
Pu-239	5.37E+00
Pu-238	1.90E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION

This waste stream is from the Rocky Flats Plant and primarily consists of nonline-generated combustible materials such as plastics, paper, empty PE bottles, booties, paper, plastic sheeting, and surgical gloves. The waste may be dry or damp. Limited amounts of noncombustibles may also be present.

The waste stream is the same as Content Code 330 and has not been used since 1974 except for 3 barrels of U-238 contaminated wastes added in 1975. The waste stream is not discussed together with Content Code 330 because of some different descriptive information in the data base.

The waste is mostly low specific activity (LSA, <100 nCi/g) which will not require shipment to WIPP. The average waste organic material content usually exceeds 14 lb/ft³ for drums and 6 lb/ft³ for boxes. Levels of fines should be within WIPP-WAC limits. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. Most wastes were placed directly into prepared 55-gallon drums or boxes. Up to 15 lb of portland cement was added where necessary to absorb small amounts of free liquids in containers.

Drums and boxes were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures. All drums are assayed. The fissile content of boxes is determined by surveying the contents and calculating the quantity of fissile material.



WASTE STREAM SOURCE

This record represents the [Uncert] portion (.9%) of the MWIR waste stream, [LOW SPECIFIC ACTIVITY PLASTICS, PAPER, E] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W205, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W205	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY PLASTICS, PAPER, E:Direct Ship	Inventory Date:
Local ID: ID-RFO-900T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

F003, F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	23.1	2.7	60.1
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	56.0	42.7	72.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	79.9	38.8	153.0
Rubber:	14.0	5.3	22.1
Plastics:	11.0	19.2	29.9
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

216

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	8.76E-07
Pu-241	3.24E-01
Pu-240	1.22E-02
Pu-239	5.37E-02
Pu-238	1.90E-03



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION

This waste stream is from the Rocky Flats Plant and primarily consists of nonline-generated combustible materials such as plastics, paper, empty PE bottles, booties, paper, plastic sheeting, and surgical gloves. The waste may be dry or damp. Limited amounts of noncombustibles may also be present.

The waste stream is the same as Content Code 330 and has not been used since 1974 except for 3 barrels of U-238 contaminated wastes added in 1975. The waste stream is not discussed together with Content Code 330 because of some different descriptive information in the data base.



The waste is mostly low specific activity (LSA, <100 ncl/g) which will not require shipment to WIPP. The average waste organic material content usually exceeds 14 lb/ft³ for drums and 6 lb/ft³ for boxes. Levels of fines should be within WIPP-WAC limits. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Depending on when and where the waste was generated at Rocky Flats, the waste packaging may vary. Most wastes were placed directly into prepared 55-gallon drums or boxes. Up to 15 lb of portland cement was added where necessary to absorb small amounts of free liquids in containers.

Drums and boxes were prepared according to pre and post-1972 procedures. Inspections were done and adsorbents (Oil-Dri and vermiculite) were added according to standard procedures. All drums are assayed. The fissile content of boxes is determined by surveying the contents and calculating the quantity of fissile material.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [LOW SPECIFIC ACTIVITY PLASTICS, PAPER, E] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W205, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM-COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W206	Handling: CH	NMVP #: N/A	Stream Name: HEPA FILTER WASTE:Direct Ship	Inventory Date:
Local ID: ID-RFO-119T	Type: MTRU	Generator Site: RF	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED EPA CODES

APP8, F002, F001, D002, D001



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	148.6		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Yes

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE

119

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.76E-07
Pu-242	2.44E-05
Pu-241	9.02E+00
Pu-240	3.39E-01
Pu-239	1.49E+00
Pu-238	5.27E-02
Am-241	3.98E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	9.3	0.0	0.0	0.0	0.0	9.3	55 Gallon Drum	8.5	0.0	0.0	0.0	0.0	8.5
Totals	9.3	0.0	0.0	0.0	0.0	9.3	SWB used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
							Totals	10.9	0.0	0.0	0.0	0.0	10.9

As-Generated Form: Stored: 9.3 Projected: 0.0 Total: 9.3 Final Waste Form: Stored: 10.9 Projected: 0.0 Total: 10.9

WASTE STREAM DESCRIPTION	TRU HEPA filter waste consists of HEPA filters or processed filter media from filter change operations. The IDCs packaged and included in 119 are: 376 and 490.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (2.46%) of the MWIR waste stream, [HEPA FILTER WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W206, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W206	Handling: CH	NMVP #: N/A	Stream Name: HEPA FILTER WASTE:Uncertifiable	Inventory Date:
Local ID: ID-RFO-119T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

**AS-GENERATED
EPA CODES**

APP8, F002, F001,
D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste N/A

Residues: No

Asbestos: Yes

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
U-235	2.93E-06
Pu-242	4.06E-04
Pu-241	1.50E+02
Pu-240	5.65E+00
Pu-239	2.49E+01
Pu-238	8.79E-01
Am-241	6.64E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	336.0	0.0	0.0	0.0	0.0	336.0	55 Gallon Drum	22.5	0.0	0.0	0.0	0.0	22.5
Drum	37.7	0.0	0.0	0.0	0.0	37.7	Totals	22.5	0.0	0.0	0.0	0.0	22.5
Totals	373.8	0.0	0.0	0.0	0.0	373.8							

As-Generated Form: Stored: 373.8 Projected: 0.0 Total: 373.8

Final Waste Form: Stored: 22.5 Projected: 0.0 Total: 22.5

WASTE STREAM DESCRIPTION	TRU HEPA filter waste consists of HEPA filters or processed filter media from filter change operations. The IDCs packaged and included in 119 are: 376 and 490.
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (97.54%) of the MWIR waste stream, [HEPA FILTER WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W206, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W207	Handling: CH	NMVP #: N/A	Stream Name: FULFLO INCINERATOR FILTERS:Uncertifiable	Inventory Date:
Local ID: ID-RFO-328T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

**AS-GENERATED
EPA CODES**

F002, F001, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.88E-03
Pu-241	1.44E+03
Pu-240	5.39E+01
Pu-239	2.38E+02
Pu-238	8.39E+00



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8

Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	Ful-flo (trade name) filters are in-line cartridge filters used to remove particulates from specific waste streams. The filters are one piece molded filters and the filter media is a red fibrous material or polypropylene.
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (55.06%) of the MWIR waste stream, [FULFLO INCINERATOR FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W207, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W207	Handling: CH	NMVP #: N/A	Stream Name: FULFLO INCINERATOR FILTERS:Direct Ship	Inventory Date:
Local ID: ID-RFO-328T	Type: MTRU	Generator Site: RF	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED EPA CODES

F002, F001, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	174.1		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope	Ci/m3
Pu-242	2.33E-04
Pu-241	8.61E+01
Pu-240	3.24E+00
Pu-239	1.43E+01
Pu-238	5.04E-01



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	Ful-flo (trade name) filters are in-line cartridge filters used to remove particulates from specific waste streams. The filters are one piece molded filters and the filter media is a red fibrous material or polypropylene.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [FULFLO INCINERATOR FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W207, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 6.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W207	Handling: CH	NMVP #: N/A	Stream Name: FULFLO INCINERATOR FILTERS: Cert-repack	Inventory Date:
Local ID: ID-RFO-328T	Type: MTRU	Generator Site: RF	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
F002, F001, D002

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste [N/A]

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

Isotope (Ci/m3)	
Pu-242	2.33E-04
Pu-241	8.61E+01
Pu-240	3.24E+00
Pu-239	1.43E+01
Pu-238	5.04E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4

WASTE STREAM DESCRIPTION	Ful-flo (trade name) filters are in-line cartridge filters used to remove particulates from specific waste streams. The filters are one piece molded filters and the filter media is a red fibrous material or polypropylene.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (24.94%) of the MWIR waste stream, [FULFLO INCINERATOR FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W207, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W208	Handling: CH	NMVP #: N/A	Stream Name: ABSOLUTE 8 X 8 FILTERS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-335T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

AS-GENERATED EPA CODES
 APP8, F005, F003, F002, F001, D029, D028, D022, D002, D001

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	TRUCON CODE
Category: Defense TRU Waste	N/A
Residues: No	
Asbestos: Yes	
PCBs: No	
Source: Materials Production/Recovery Effluents	

FINAL FORM RADIONUCLIDES	
Isotope (Ci/m3)	
U-235	3.86E-05
Pu-242	7.80E-04
Pu-241	2.89E+02
Pu-240	1.08E+01
Pu-239	4.78E+01
Pu-238	1.69E+00
Am-241	1.32E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	15.9	0.0	0.0	0.0	0.0	15.9
Drum	7.8	0.0	0.0	0.0	0.0	7.8
Totals	23.7	0.0	0.0	0.0	0.0	23.7

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5
Totals	1.5	0.0	0.0	0.0	0.0	1.5

As-Generated Form: Stored: Projected: Total: Final Waste Form: Stored: Projected: Total:



WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists of absolute filters used for filtering intake and exhaust air from glovebox lines. The filters are composed of wood or particle board frames and an asbestos-type filter media. The waste may include limited amounts of combustible materials (surgical gloves, etc.). Several sizes of filters may be present. This code has not been used since 1975. Since then absolute filters were processed as Content Code 338 (insulation and CWS filter media) or 376 (cemented insulation and filter media). Some of the drums may be lead-lined.

There is a lack of information about the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/ft³. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.

Each filter is double contained in PVC and PE bags and assayed. Up to 12-20 filters are placed in each prepared drum. Small amounts of Oil-Dri are added to drums containing damp filters. Drums were packed according to the usual pre-1972 and post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [CH-Uncert] portion (90.5%) of the MWIR waste stream, [ABSOLUTE 8 X 8 FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W208, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W208	Handling: RH	NMVP #: N/A	Stream Name: ABSOLUTE 8 X 8 FILTERS:RH-Uncert	Inventory Date:
Local ID: ID-RFO-335T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D029,
D028, D022, D002,
D001

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Yes

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	3.86E-05
Pu-242	7.80E-04
Pu-241	2.89E+02
Pu-240	1.08E+01
Pu-239	4.78E+01
Pu-238	1.69E+00
Am-241	1.32E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	0.4	0.0	0.0	0.0	0.0	0.4	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2



WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists of absolute filters used for filtering intake and exhaust air from glovebox lines. The filters are composed of wood or particle board frames and an asbestos-type filter media. The waste may include limited amounts of combustible materials (surgical gloves, etc.). Several sizes of filters may be present. This code has not been used since 1975. Since then absolute filters were processed as Content Code 338 (insulation and CWS filter media) or 376 (cemented insulation and filter media). Some of the drums may be lead-lined.

There is a lack of information about the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/R3. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.

Each filter is double contained in PVC and PE bags and assayed. Up to 12-20 filters are placed in each prepared drum. Small amounts of Oil-Dri are added to drums containing damp filters. Drums were packed according to the usual pre-1972 and post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [RH-Uncert] portion (1.58%) of the MWIR waste stream, [ABSOLUTE 8 X 8 FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk (WPF:segpk size incin vitrf TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W208, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W208	Handling: CH	NMVP #: 119	Stream Name: ABSOLUTE 8 X 8 FILTERS:Direct Ship	Inventory Date:
Local ID: ID-RFO-335T	Type: MTRU	Generator Site: RF	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D028, D022, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste
Residues:	No
Asbestos:	Yes
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE

119, 219

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	2.32E-06
Pu-242	4.68E-05
Pu-241	1.73E+01
Pu-240	6.51E-01
Pu-239	2.87E+00
Pu-238	1.01E-01
Am-241	7.91E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.1	0.0	0.0	0.0	0.0	2.1	55 Gallon Drum	1.9	0.0	0.0	0.0	0.0	1.9
Totals	2.1	0.0	0.0	0.0	0.0	2.1	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	2.3	0.0	0.0	0.0	0.0	2.3

As-Generated Form: Stored: 2.1 Projected: 0.0 Total: 2.1 Final Waste Form: Stored: 2.3 Projected: 0.0 Total: 2.3

WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists of absolute filters used for filtering intake and exhaust air from glovebox lines. The filters are composed of wood or particle board frames and an asbestos-type filter media. The waste may include limited amounts of combustible materials (surgical gloves, etc.). Several sizes of filters may be present. This code has not been used since 1975. Since then absolute filters were processed as Content Code 338 (insulation and CWS filter media) or 376 (cemented insulation and filter media). Some of the drums may be lead-lined.

There is a lack of information about the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/ft³. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.

Each filter is double contained in PVC and PE bags and assayed. Up to 12-20 filters are placed in each prepared drum. Small amounts of Oil-Dri are added to drums containing damp filters. Drums were packed according to the usual pre-1972 and post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (7.92%) of the MWIR waste stream, [ABSOLUTE 8 X 8 FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W208, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W209	Handling: CH	NMVP #: N/A	Stream Name: INSULATION AND CHEMICAL WARFARE SERVICE :Uncertifiable	Inventory Date:
Local ID: ID-RFO-338T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
APP8, F005, F002, F001, D029, D028, D022, D002, D001	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	1.74E-03
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	6.42E+02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Yes		Pu-240	2.41E+01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	1.06E+02
	Vitrified:	2500.0	2500.0	2500.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-238	3.76E+00
	Cellulosics:	0.0	0.0	0.0			Am-241	1.93E-01
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
Packaging Material Steel Plug:	0.0							

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	15.9	0.0	0.0	0.0	0.0	15.9	55 Gallon Drum	3.1	0.0	0.0	0.0	0.0	3.1
Drum	35.4	0.0	0.0	0.0	0.0	35.4	Totals	3.1	0.0	0.0	0.0	0.0	3.1
Totals	51.3	0.0	0.0	0.0	0.0	51.3							

As-Generated Form: Stored: 51.3 Projected: 0.0 Total: 51.3 Final Waste Form: Stored: 3.1 Projected: 0.0 Total: 3.1



WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of asbestos and fiberglass filter media, asbestos-type pipe insulation, and other materials such as aluminum and wood frames, and compacted insulation waste. Some of the waste may be damp. This code was replaced in 1977 with Content Code 376 (cemented insulation and filter media).



The waste cannot be due to lack of information about the particulates on the filter media. Although there may be some organic material, it should be less than 14 lb/ft³ for drums and 6 lb/ft³ for boxes. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste, except for some residual amounts of nitric acid.

The waste is contained in drums and boxes. The waste is generally double-contained in either PE or PVC bags or in 1-gallon PE bottles and single or double bags. The bottles were individually assayed. Some pipe insulation may be wrapped with tape, depending on contamination levels, and placed directly into drums. Absorbent was added to some drums containing damp waste. Drums were packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. Each box was surveyed to determine a calculated fissile content. Coated and uncoated boxes were prepared according to standard pre-1972 and 1972-1974 procedures.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (85.27%) of the MWIR waste stream, [INSULATION AND CHEMICAL WARFARE SERVICE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrl TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W209, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W209	Handling: CH	NMVP #: N/A	Stream Name: INSULATION AND CHEMICAL WARFARE SERVICE :Direct Ship	Inventory Date:
Local ID: ID-RFO-338T	Type: MTRU	Generator Site: RF	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
APP8, F005, F002, F001, D029, D028, D022, D002, D001		Category: Defense TRU Waste	219	Isotope (Ci/m3)	
	Iron-base Metal/Alloys:	Avg: 0.0, Min: 0.0, Max: 0.0		Residues: No	Pu-242 1.04E-04
	Aluminum-base Metal/Alloys:	Avg: 0.0, Min: 0.0, Max: 0.0		Asbestos: Yes	Pu-241 3.85E+01
	Other Metals/Alloys:	Avg: 0.0, Min: 0.0, Max: 0.0		PCBs: No	Pu-240 1.45E+00
	Other Inorganic Material:	Avg: 0.0, Min: 0.0, Max: 0.0		Source: Facility/Equipment Operation and Maintenance Waste	Pu-239 6.38E+00
	Vitrified:	Avg: 0.0, Min: 0.0, Max: 0.0			Pu-238 2.25E-01
	Cellulosics:	Avg: 0.0, Min: 0.0, Max: 0.0			Am-241 1.16E-02
	Rubber:	Avg: 0.0, Min: 0.0, Max: 0.0			
	Plastics:	Avg: 0.0, Min: 0.0, Max: 0.0			
	Solidified Inorganic Material:	Avg: 0.0, Min: 0.0, Max: 0.0			
	Solidified Organic Material:	Avg: 0.0, Min: 0.0, Max: 0.0			
	Cement (solidified):	Avg: 0.0, Min: 0.0, Max: 0.0			
	Soils:	Avg: 0.0, Min: 0.0, Max: 0.0			
	Packaging Material Steel:	149.6			
	Packaging Material Plastic:	0.0			
	Packaging Material Lead:	0.0			
	Packaging Material Steel Plug:	0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	8.9	0.0	0.0	0.0	0.0	8.9	55 Gallon Drum	7.9	0.0	0.0	0.0	0.0	7.9
Totals	8.9	0.0	0.0	0.0	0.0	8.9	SWB used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
							Totals	10.3	0.0	0.0	0.0	0.0	10.3

As-Generated Form: Stored: 8.9 Projected: 0.0 Total: 8.9

Final Waste Form: Stored: 10.3 Projected: 0.0 Total: 10.3



WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of asbestos and fiberglass filter media, asbestos-type pipe insulation, and other materials such as aluminum and wood frames, and compacted insulation waste. Some of the waste may be damp. This code was replaced in 1977 with Content Code 376 (cemented insulation and filter media).



The waste cannot be due to lack of information about the particulates on the filter media. Although there may be some organic material, it should be less than 14 lb/r3 for drums and 6 lb/r3 for boxes. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste, except for some residual amounts of nitric acid.

The waste is contained in drums and boxes. The waste is generally double-contained in either PE or PVC bags or in 1-gallon PE bottles and single or double bags. The bottles were individually assayed. Some pipe insulation may be wrapped with tape, depending on contamination levels, and placed directly into drums. Absorbent was added to some drums containing damp waste. Drums were packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. Each box was surveyed to determine a calculated fissile content. Coated and uncoated boxes were prepared according to standard pre-1972 and 1972-1974 procedures.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (14.73%) of the MWIR waste stream, [INSULATION AND CHEMICAL WARFARE SERVICE] after processing. The proposed processing sequence is [SVEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W209, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W210	Handling: CH	NMVP #: N/A	Stream Name: INSULATION:Direct Ship	Inventory Date:
Local ID: ID-RFO-360T	Type: MTRU	Generator Site: RF	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
F002, F001, D002, D001

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	165.9		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste N/A

Residues: No

Asbestos: Yes

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.95E-05
Pu-241	1.46E+01
Pu-240	5.49E-01
Pu-239	2.42E+00
Pu-238	8.55E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.1	0.0	0.0	0.0	0.0	1.1

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6

Final Waste Form: Stored: 1.1 Projected: 0.0 Total: 1.1

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of asbestos-type pipe insulation, asbestos gloves and fireblankets, and asbestos and fiberglass prefilter and filter media. The waste may include limited amounts of other materials, such as aluminum and wood frames, and compacted insulation waste. Some materials may be damp. The waste may include limited amounts of combustible materials such as surgical gloves. This code has not been used since 1973. Since then absolute filters were processed as Content Codes 338 (insulation and CWS filter media) or 378 (cemented insulation and filter media).



There is a lack of information about the particulate on the filter media. Organic material should not exceed WIPP-WAC limits. Significant amounts of respirable fines may be present, especially since some of the waste has been reduced to an "oatmeal" consistency from handling. Some waste which was wet was dried in a clothes dryer prior to packaging. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.

The waste is contained in drums and one box. The waste is generally double-contained in either PE or PVC bags. The bottles were individually assayed. Some pipe insulation may be wrapped with tape, depending on contamination levels, and placed directly into drums. Absorbent was added to some drums containing damp waste. Drums were packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. The box was surveyed to determine a calculated fissile content. The time when the box was used is not known. Coated and uncoated boxes were prepared according to standard pre-1972 and 1972-1974 procedures.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [INSULATION] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W210, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W210	Handling: CH	NMVP #: N/A	Stream Name: INSULATION:Uncertifiable	Inventory Date:
Local ID: ID-RFO-360T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

F002, F001, D002, D001

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Yes

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.58E-04
Pu-241	2.44E+02
Pu-240	9.15E+00
Pu-239	4.03E+01
Pu-238	1.42E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.8	0.0	0.0	0.0	0.0	2.8	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	2.8	0.0	0.0	0.0	0.0	2.8	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 2.8 Projected: 0.0 Total: 2.8 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists of asbestos-type pipe insulation, asbestos gloves and fireblankets, and asbestos and fiberglass prefilter and filter media. The waste may include limited amounts of other materials, such as aluminum and wood frames, and compacted insulation waste. Some materials may be damp. The waste may include limited amounts of combustible materials such as surgical gloves. This code has not been used since 1973. Since then absolute filters were processed as Content Codes 338 (insulation and CWS filter media) or 378 (cemented insulation and filter media).

There is a lack of information about the particulate on the filter media. Organic material should not exceed WIPP-WAC limits. Significant amounts of respirable fines may be present, especially since some of the waste has been reduced to an "oatmeal" consistency from handling. Some waste which was wet was dried in a clothes dryer prior to packaging. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.

The waste is contained in drums and one box. The waste is generally double-contained in either PE or PVC bags. The bottles were individually assayed. Some pipe insulation may be wrapped with tape, depending on contamination levels, and placed directly into drums. Absorbent was added to some drums containing damp waste. Drums were packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. The box was surveyed to determine a calculated fissile content. The time when the box was used is not known. Coated and uncoated boxes were prepared according to standard pre-1972 and 1972-1974 procedures.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [INSULATION] after processing. The proposed processing sequence is [SWEPP:segpk [WPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W210, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W211	Handling: CH	NMVP #: 119	Stream Name: CEMENTED INSULATION AND FILTER MEDIA: Direct Ship	Inventory Date:
Local ID: ID-RFO-376T	Type: MTRU	Generator Site: RF	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED EPA CODES
 APP8, F002, F001, D002, D001

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	
Category:	Defense TRU Waste
Residues:	No
Asbestos:	Yes
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE
119

FINAL FORM RADIONUCLIDES	
Isotope (Ci/m3)	
U-238	1.98E-07
U-235	4.19E-07
Pu-242	1.81E-04
Pu-241	6.71E+01
Pu-240	2.52E+00
Pu-239	1.11E+01
Pu-238	3.92E-01
Am-241	7.79E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	88.8	0.0	0.0	0.0	0.0	88.8
Totals	88.8	0.0	0.0	0.0	0.0	88.8

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	78.6	0.0	0.0	0.0	0.0	78.6
SWB used to overpack 55 gallon drums	19.8	0.0	0.0	0.0	0.0	19.8
Totals	98.5	0.0	0.0	0.0	0.0	98.5

As-Generated Form: Stored: 88.8 Projected: 0.0 Total: 88.8

Final Waste Form: Stored: 98.5 Projected: 0.0 Total: 98.5



WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists primarily of filter media from pre-filters, absolute filters, etc., and limited amounts of insulation waste such as asbestos gloves and fire blankets. Portland cement is added to neutralize any residual nitric acid and reduce the potential for drum pressurization.

The waste cannot be due to potential for excessive fines. Although there may be some organic material, it should be less than 14 lb/ft³ for drums and 6 lb/ft³ for boxes. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.

The waste is contained in drums and boxes. Waste generated prior to 1979 is generally double-contained in either PE or PVC bags, 1-gallon PE bottles and/or metal paint cans. Most of this waste was repackaged into 15-gallon plastic bags after thorough mixing with portland cement. Drums were packed according to the usual post-1972 procedures. Each drum was assayed. Each box was surveyed to determine a calculated fissile content. Boxes were prepared according to standard post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (19.31%) of the MWIR waste stream, [CEMENTED INSULATION AND FILTER MEDIA] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W211, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W211	Handling: CH	NMVP #: N/A	Stream Name: CEMENTED INSULATION AND FILTER MEDIA:Uncertifiable	Inventory Date:
Local ID: ID-RFO-376T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F002, F001, D002, D001

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Yes

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	3.30E-06
U-235	6.99E-06
Pu-242	3.02E-03
Pu-241	1.12E+03
Pu-240	4.20E+01
Pu-239	1.85E+02
Pu-238	6.54E+00
Am-241	1.30E+01



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	15.9	0.0	0.0	0.0	0.0	15.9
Drum	355.5	0.0	0.0	0.0	0.0	355.5
Totals	371.4	0.0	0.0	0.0	0.0	371.4

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	22.5	0.0	0.0	0.0	0.0	22.5
Totals	22.5	0.0	0.0	0.0	0.0	22.5

As-Generated Form: Stored: 371.4 Projected: 0.0 Total: 371.4

Final Waste Form: Stored: 22.5 Projected: 0.0 Total: 22.5

WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists primarily of filter media from pre-filters, absolute filters, etc., and limited amounts of insulation waste such as asbestos gloves and fire blankets. Portland cement is added to neutralize any residual nitric acid and reduce the potential for drum pressurization.

The waste cannot be due to potential for excessive fines. Although there may be some organic material, it should be less than 14 lb/ft³ for drums and 6 lb/ft³ for boxes. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.

The waste is contained in drums and boxes. Waste generated prior to 1979 is generally double-contained in either PE or PVC bags, 1-gallon PE bottles and/or metal paint cans. Most of this waste was repackaged into 15-gallon plastic bags after thorough mixing with portland cement. Drums were packed according to the usual post-1972 procedures. Each drum was assayed. Each box was surveyed to determine a calculated fissile content. Boxes were prepared according to standard post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (80.69%) of the MWIR waste stream, [CEMENTED INSULATION AND FILTER MEDIA] after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk s'ze incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W211, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W212	Handling: CH	NMVP #: 119	Stream Name: CHEMICAL WARFARE SERVICE FILTERS:Direct Ship	Inventory Date:
Local ID: ID-RFO-490T	Type: MTRU	Generator Site: RF	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED EPA CODES

APP8, F002, F001, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	153.2		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Yes

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

119, 219

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.17E-07
Pu-242	6.77E-06
Pu-241	2.50E+00
Pu-240	9.41E-02
Pu-239	4.15E-01
Pu-238	1.47E-02
Am-241	2.69E-02

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.8	0.0	0.0	0.0	0.0	2.8
Totals	2.8	0.0	0.0	0.0	0.0	2.8

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	2.5	0.0	0.0	0.0	0.0	2.5
SWB used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
Totals	3.4	0.0	0.0	0.0	0.0	3.4

As-Generated Form: Stored: 2.8 Projected: 0.0 Total: 2.8

Final Waste Form: Stored: 3.4 Projected: 0.0 Total: 3.4



WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists primarily of whole HEPA filters, absolute filters, CWS (chemical warfare service) filters, and prefilters. The filter frames are usually wood, but a limited number are aluminum. The filter media is asbestos-type and fiberglass-type (nomex).

The waste cannot be due to lack of information about the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/r3 for drums and 6 lb/r3 for boxes. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste, except for some residual amounts of nitric acid.

The waste is contained in drums and boxes. Drums should be similar to Content Code 335 drums. Each filter was generally double-contained in either PE or PVC bags and then placed in prepared drums. Each drum was assayed. Drums of Content Code 490 waste have not been shipped to INEL since 1975. Boxes contain filters which are single or double-contained in plastic bags, along with their original, cardboard shipping boxes. In boxes prepared after 1974, the boxes are flattened and the filters are crushed. About 12 uncrushed or 25-30 crushed HEPA filters will fit into a box. Portland cement and Oil-Dri were typically added to any containers which contained damp filters.

Drums and boxes were prepared and packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. Each box was surveyed using the cumulative assay value of the individual filters, determined from drum assays. One box which was shipped in 1972 is apparently mislabeled and is believed to contain metal waste.

**WASTE STREAM SOURCE**

This record represents the [Direct Ship] portion (.11%) of the MWIR waste stream, [CHEMICAL WARFARE SERVICE FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W212, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W212	Handling: CH	NMVP #: N/A	Stream Name: CHEMICAL WARFARE SERVICE FILTERS:Uncertifiable	Inventory Date:
Local ID: ID-RFO-490T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

AS-GENERATED EPA CODES
 APP8, F002, F001, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Yes

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE
 N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.95E-06
Pu-242	1.13E-04
Pu-241	4.18E+01
Pu-240	1.57E+00
Pu-239	6.92E+00
Pu-238	2.44E-01
Am-241	4.48E-01



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	2498.0	0.0	0.0	0.0	0.0	2498.0
Drum	11.7	0.0	0.0	0.0	0.0	11.7
Totals	2509.6	0.0	0.0	0.0	0.0	2509.6

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	150.6	0.0	0.0	0.0	0.0	150.6
Totals	150.6	0.0	0.0	0.0	0.0	150.6

As-Generated Form: Stored: 2509.6 Projected: 0.0 Total: 2509.6

Final Waste Form: Stored: 150.6 Projected: 0.0 Total: 150.6

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists primarily of whole HEPA filters, absolute filters, CWS (chemical warfare service) filters, and prefilters. The filter frames are usually wood, but a limited number are aluminum. The filter media is asbestos-type and fiberglass-type (nomex).

The waste cannot be due to lack of information about the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/ft³ for drums and 6 lb/ft³ for boxes. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste, except for some residual amounts of nitric acid.

The waste is contained in drums and boxes. Drums should be similar to Content Code 335 drums. Each filter was generally double-contained in either PE or PVC bags and then placed in prepared drums. Each drum was assayed. Drums of Content Code 490 waste have not been shipped to INEL since 1975. Boxes contain filters which are single or double-contained in plastic bags, along with their original, cardboard shipping boxes. In boxes prepared after 1974, the boxes are flattened and the filters are crushed. About 12 uncrushed or 25-30 crushed HEPA filters will fit into a box. Portland cement and Oil-Dri were typically added to any containers which contained damp filters.

Drums and boxes were prepared and packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. Each box was surveyed using the cumulative assay value of the individual filters, determined from drum assays. One box which was shipped in 1972 is apparently mislabeled and is believed to contain metal waste.



WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (99.89%) of the MWIR waste stream, [CHEMICAL WARFARE SERVICE FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W212, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W213	Handling: CH	NMVP #: N/A	Stream Name: ASBESTOS FILTERS:Direct Ship	Inventory Date:
Local ID: ID-MDO-805T	Type: MTRU	Generator Site: MD	Final Waste Form: Filter	Waste Matrix Code: S5410

**AS-GENERATED
EPA CODES**
APP8, D009, D002,
D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	150.8		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	3.35E+00
Pu-238	5.54E+02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.5	0.0	0.0	0.0	0.0	1.5	55 Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5
Totals	1.5	0.0	0.0	0.0	0.0	1.5	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.9	0.0	0.0	0.0	0.0	1.9

As-Generated Form: Stored: Projected: Total: **Final Waste Form:** Stored: Projected: Total:

WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, consists primarily of HEPA filters of various sizes. The filter frames are usually pressed hardboard, but a limited number are metal. The filter media is asbestos. The waste stream may include limited amounts of other combustibles from Content Codes 803, 810, 813, 814, 825, or 832.

The waste cannot be due to lack of information about the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/ft³ for drums. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste, except for some residual amounts of nitric acid.

The waste is contained in drums. Filters are packaged in 1-gallon plastic coated cardboard cartons, one or two filters per carton. Some individual filters are individually bagged inside the cartons. Each carton is individually bagged, assayed, and contained in a sleeve bag with up to four other cartons. Up to eight sleeve bags will fit into a prepared drum. Drums were prepared and packed according to the usual post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [ASBESTOS FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W213, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W213	Handling: CH	NMVP #: N/A	Stream Name: ASBESTOS FILTERS:Uncertifiable	Inventory Date:
Local ID: ID-MCO-805T	Type: MTRU	Generator Site: MD	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5410

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
APP8, D009, D002, D001	Iron-base Metal/Alloys:	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
	Aluminum-base Metal/Alloys:	Residues: No		Pu-239 5.58E+01
	Other Metals/Alloys:	Asbestos: Yes		Pu-238 9.23E+03
	Other Inorganic Material:	PCBs: No		
	Vitrified:	Source: Materials Production/Recovery Effluents		
	Cellulosics:			
	Rubber:			
	Plastics:			
	Solidified Inorganic Material:			
	Solidified Organic Material:			
	Cement (solidified):			
	Soils:			
	Packaging Material Steel:			
	Packaging Material Plastic:			
	Packaging Material Lead:			

WASTE VOLUME DETAIL (cu. meters)

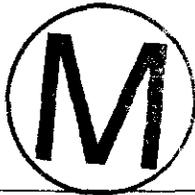
Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	6.4	0.0	0.0	0.0	0.0	6.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	6.4	0.0	0.0	0.0	0.0	6.4	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 6.4 Projected: 0.0 Total: 6.4 Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4



WASTE STREAM DESCRIPTION

This waste stream, generated at Mound Laboratory, consists primarily of HEPA filters of various sizes. The filter frames are usually pressed hardboard, but a limited number are metal. The filter media is asbestos. The waste stream may include limited amounts of other combustibles from Content Codes 803, 810, 813, 814, 825, or 832.



The waste cannot be due to lack of information about the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/ft³ for drums. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste, except for some residual amounts of nitric acid.

The waste is contained in drums. Filters are packaged in 1-gallon plastic coated cardboard cartons, one or two filters per carton. Some individual filters are individually bagged inside the cartons. Each carton is individually bagged, assayed, and contained in a sleeve bag with up to four other cartons. Up to eight sleeve bags will fit into a prepared drum. Drums were prepared and packed according to the usual post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (79.95%) of the MWIR waste stream, (ASBESTOS FILTERS) after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W213, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W213	Handling: CH	NMVP #: N/A	Stream Name: ASBESTOS FILTERS:Mercury	Inventory Date:
Local ID: ID-MDO-805T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5410

AS-GENERATED

EPA CODES

APP8, D009, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	1.12E+00
Pu-238	1.85E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION

This waste stream, generated at Mound Laboratory, consists primarily of HEPA filters of various sizes. The filter frames are usually pressed hardboard, but a limited number are metal. The filter media is asbestos. The waste stream may include limited amounts of other combustibles from Content Codes 803, 810, 813, 814, 825, or 832.



The waste cannot be due to lack of information about the particulate on the filter media. Although there may be some organic material, it should be less than 14 lb/ft³ for drums. Significant amounts of respirable fines may be present. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste, except for some residual amounts of nitric acid.

The waste is contained in drums. Filters are packaged in 1-gallon plastic coated cardboard cartons, one or two filters per carton. Some individual filters are individually bagged inside the cartons. Each carton is individually bagged, assayed, and contained in a sleeve bag with up to four other cartons. Up to eight sleeve bags will fit into a prepared drum. Drums were prepared and packed according to the usual post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Mercury] portion (.05%) of the MWIR waste stream, [ASBESTOS FILTERS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W213, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W214	Handling: CH	NMVP #: N/A	Stream Name: GLASS FILTERS AND FIBERGLASS: Cert-repack	Inventory Date:
Local ID: ID-MDO-813T	Type: MTRU	Generator Site: MD	Final Waste Form: Filter	Waste Matrix Code: S5410

**AS-GENERATED
EPA CODES**
APP8, D009, D002,
D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	194.7	24.0	293.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	4.8	1.2	9.6
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: Unknown
 PCBs: No
 Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotopes (Ci/m3)	
Pu-239	6.83E+00
Pu-238	7.68E+02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.6 Projected: 0.0 Total: 0.6

WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, consists primarily of spun glass filters and fiberglass glovebox prefilters. The waste may include limited amounts of other noncombustibles from Content Codes 803, 805, 810, 811, 813, 814, or 825.

Free particulate should be limited. The organic content should be less than 14 lb/ft³. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be present.

The waste is contained in drums. Filters are packaged in 1-gallon plastic coated cardboard cartons. Each carton is individually bagged, assayed, and contained in a sleeve bag with up to four other cartons. Up to eight sleeve bags will fit into a prepared drum. Drums were prepared and packed according to the usual post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (79.56%) of the MWIR waste stream, [GLASS FILTERS AND FIBERGLASS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W214, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. D009 will not be applicable to this waste stream after cartons of liquid mercury are removed.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W214	Handling: CH	NMVP #: N/A	Stream Name: GLASS FILTERS AND FIBERGLASS: Direct Ship	Inventory Date:
Local ID: ID-MDO-813T	Type: MTRU	Generator Site: MD	Final Waste Form: Filter	Waste Matrix Code: S5410

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, D009; D002, D001

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	118.7	14.6	178.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	2.9	0.7	5.9
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE: N/A

Isotope (Ci/m3)	
Pu-239	6.83E+00
Pu-238	7.68E+02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, consists primarily of spun glass filters and fiberglass glovebox prefilters. The waste may include limited amounts of other noncombustibles from Content Codes 803, 805, 810, 811, 813, 814, or 825.

Free particulate should be limited. The organic content should be less than 14 lb/ft³. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be present.

The waste is contained in drums. Filters are packaged in 1-gallon plastic coated cardboard cartons. Each carton is individually bagged, assayed, and contained in a sleeve bag with up to four other cartons. Up to eight sleeve bags will fit into a prepared drum. Drums were prepared and packed according to the usual post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [GLASS FILTERS AND FIBERGLASS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W214, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. D009 will not be applicable to this waste stream after cartons of liquid mercury are removed.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W214	Handling: CH	NMVP #: N/A	Stream Name: GLASS FILTERS AND FIBERGLASS:Uncert-mercury	Inventory Date:
Local ID: ID-MDO-813T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5410

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
APP8, D009, D002, D001	Iron-base Metal/Alloys:	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
	Aluminum-base Metal/Alloys:	Residues: No		Pu-239 2.28E+00
	Other Metals/Alloys:	Asbestos: Unknown		Pu-238 2.56E+02
	Other Inorganic Material:	PCBs: No		
	Vitrified:	Source: Materials Production/Recovery Effluents		
	Cellulosics:			
	Rubber:			
	Plastics:			
	Solidified Inorganic Material:			
	Solidified Organic Material:			
	Cement (solidified):			
	Soils:			
	Packaging Material Steel:			
	Packaging Material Plastic:			
	Packaging Material Lead:			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION



This waste stream, generated at Mound Laboratory, consists primarily of spun glass filters and fiberglass glovebox prefilters. The waste may include limited amounts of other noncombustibles from Content Codes 803, 805, 810, 811, 813, 814, or 825.

Free particulate should be limited. The organic content should be less than 14 lb/l3. No sludges or free liquids should be present. No explosive, pyrophoric, or corrosive materials should be present.

The waste is contained in drums. Filters are packaged in 1-gallon plastic coated cardboard cartons. Each carton is individually bagged, assayed, and contained in a sleeve bag with up to four other cartons. Up to eight sleeve bags will fit into a prepared drum. Drums were prepared and packed according to the usual post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Uncert-mercury] portion (.44%) of the MWIR waste stream, [GLASS FILTERS AND FIBERGLASS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W214, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. D009 will not be applicable to this waste stream after cartons of liquid mercury are removed.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W216	Handling: CH	NMVP #: N/A	Stream Name: FIRST STAGE SLUDGE:CH-cert-repack	Inventory Date:
Local ID: ID-RFO-001T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

**AS-GENERATED
EPA CODES**

APP8, F003, F002,
F001, D028, D022,
D011, D009, D008,
D007, D006, D005,
D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	3.4	3.4	3.4
Other Inorganic Material:	34.8	0.0	85.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	9.4	8.7	9.8
Solidified Inorganic Material:	463.2	321.8	568.2
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	308.8	214.4	378.8
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: No
 PCBs: No
 Source: Pollution Control or Waste Treatment Process

TRUCON CODE

211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.88E-05
Pu-241	6.96E+00
Pu-240	2.61E-01
Pu-239	1.15E+00
Pu-238	4.07E-02
Am-241	2.59E+01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	19.0	0.0	0.0	0.0	0.0	19.0
Drum	1459.6	0.0	0.0	0.0	0.0	1459.6
Totals	1478.6	0.0	0.0	0.0	0.0	1478.6

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	1478.9	0.0	0.0	0.0	0.0	1478.9
Totals	1478.9	0.0	0.0	0.0	0.0	1478.9

As-Generated Form: Stored: 1478.6 Projected: 0.0 Total: 1478.6

Final Waste Form: Stored: 1478.9 Projected: 0.0 Total: 1478.9

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treating aqueous process wastes, such as ion exchange column effluent, distillates, and caustic scrub solutions generated by Plutonium Recovery Operations (Building 771). Portland cement is added to the waste package for absorption of free liquids. Waste drums may periodically contain surgeons' gloves, glovebox gloves, etc.



Since the fall of 1979, first-stage sludge (IDC 001) and Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [CH-cert-repack] portion (58.42%) of the MWIR waste stream, [FIRST STAGE SLUDGE] after processing. The proposed processing sequence is [SVEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W216, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W216	Handling: RH	NMVP #: N/A	Stream Name: FIRST STAGE SLUDGE:RH-uncertifiable	Inventory Date:
Local ID: ID-RFO-001T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3121

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	3.76E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	1.39E+01
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		Pu-240	5.23E-01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	2.30E+00
	Vitrified:	2500.0	2500.0	2500.0	Source: Pollution Control or Waste Treatment Process		Pu-238	8.14E-02
	Cellulosics:	0.0	0.0	0.0			Am-241	5.19E+01
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	526.0						
	Packaging Material Plastic:	26.0						
	Packaging Material Lead:	464.7						
Packaging Material Steel Plug:	2145.1							



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	10.2	0.0	0.0	0.0	0.0	10.2	RH Canister used to overpack 55 gallon drums	8.3	0.0	0.0	0.0	0.0	8.3
Totals	10.2	0.0	0.0	0.0	0.0	10.2	Totals	8.3	0.0	0.0	0.0	0.0	8.3

As-Generated Form: Stored: 10.2 Projected: 0.0 Total: 10.2 Final Waste Form: Stored: 8.3 Projected: 0.0 Total: 8.3

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treating aqueous process wastes, such as ion exchange column effluent, distillates, and caustic scrub solutions generated by Plutonium Recovery Operations (Building 771). Portland cement is added to the waste package for absorption of free liquids. Waste drums may periodically contain surgeons' gloves, glovebox gloves, etc.



Since the fall of 1979, first-stage sludge (IDC 001) and Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [RH-uncertifiable] portion (.4%) of the MWIR waste stream, [FIRST STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W216, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W216	Handling: RH	NMVP #: N/A	Stream Name: FIRST STAGE SLUDGE:RH-cert-repack	Inventory Date:
Local ID: ID-RFO-001T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	2.3	2.3	2.3
Other Inorganic Material:	24.2	0.0	59.4
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	6.6	6.1	6.8
Solidified Inorganic Material:	323.0	224.6	396.6
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	215.3	149.7	264.4
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: No
 PCBs: No
 Source: Pollution Control or Waste Treatment Process

TRUCON CODE

211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.88E-05
Pu-241	6.96E+00
Pu-240	2.61E-01
Pu-239	1.15E+00
Pu-238	4.07E-02
Am-241	2.59E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	30.1	0.0	0.0	0.0	0.0	30.1	RH Canister used to overpack 55 gallon drums	43.9	0.0	0.0	0.0	0.0	43.9
Totals	30.1	0.0	0.0	0.0	0.0	30.1	Totals	43.9	0.0	0.0	0.0	0.0	43.9

As-Generated Form: Stored: 30.1 Projected: 0.0 Total: 30.1 Final Waste Form: Stored: 43.9 Projected: 0.0 Total: 43.9

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treating aqueous process wastes, such as ion exchange column effluent, distillates, and caustic scrub solutions generated by Plutonium Recovery Operations (Building 771). Portland cement is added to the waste package for absorption of free liquids. Waste drums may periodically contain surgeons' gloves, glovebox gloves, etc.

Since the fall of 1979, first-stage sludge (IDC 001) and Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge.



Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [RH-cert-repack] portion (1.19%) of the MWIR waste stream, [FIRST STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W216, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W216	Handling: CH	NMVP #: N/A	Stream Name: FIRST STAGE SLUDGE: Direct Ship	Inventory Date:
Local ID: ID-RFO-001T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	3.0	3.0	3.0
Other Inorganic Material:	30.8	0.0	75.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	8.3	7.8	8.7
Solidified Inorganic Material:	410.7	285.2	503.9
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	273.8	190.1	335.9
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: No
 PCBs: No
 Source: Pollution Control or Waste Treatment Process

TRUCON CODE

211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.88E-05
Pu-241	6.96E+00
Pu-240	2.61E-01
Pu-239	1.15E+00
Pu-238	4.07E-02
Am-241	2.59E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	502.4	0.0	0.0	0.0	0.0	502.4	55 Gallon Drum	443.7	0.0	0.0	0.0	0.0	443.7
Totals	502.4	0.0	0.0	0.0	0.0	502.4	SWB used to overpack 55 gallon drums	112.0	0.0	0.0	0.0	0.0	112.0
							Totals	555.6	0.0	0.0	0.0	0.0	555.6

As-Generated Form: Stored: 502.4 Projected: 0.0 Total: 502.4 Final Waste Form: Stored: 555.6 Projected: 0.0 Total: 555.6

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treating aqueous process wastes, such as ion exchange column effluent, distillates, and caustic scrub solutions generated by Plutonium Recovery Operations (Building 771). Portland cement is added to the waste package for absorption of free liquids. Waste drums may periodically contain surgeons' gloves, glovebox gloves, etc.

Since the fall of 1979, first-stage sludge (IDC 001) and Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (19.85%) of the MWIR waste stream, [FIRST STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W216, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W216	Handling: CH	NMVP #: N/A	Stream Name: FIRST STAGE SLUDGE:CH-uncertifiable	Inventory Date:
Local ID: ID-RFO-001T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3121

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002	Iron-base Metal/Alloys:	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
	Aluminum-base Metal/Alloys:	Residues: No		Pu-242 3.76E-05
	Other Metals/Alloys:	Asbestos: No		Pu-241 1.39E+01
	Other Inorganic Material:	PCBs: No		Pu-240 5.23E-01
	Vitrified:	Source: Pollution Control or Waste Treatment Process		Pu-239 2.30E+00
	Cellulosics:			Pu-238 8.14E-02
	Rubber:			Am-241 5.19E+01
	Plastics:			
	Soldified Inorganic Material:			
	Soldified Organic Material:			
	Cement (soldified):			
	Soils:			
	Packaging Material Steel:			
	Packaging Material Plastic:			
	Packaging Material Lead:			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	509.6	0.0	0.0	0.0	0.0	509.6	55 Gallon Drum	255.0	0.0	0.0	0.0	0.0	255.0
Totals	509.6	0.0	0.0	0.0	0.0	509.6	Totals	255.0	0.0	0.0	0.0	0.0	255.0

As-Generated Form: Stored: 509.6 Projected: 0.0 Total: 509.6 Final Waste Form: Stored: 255.0 Projected: 0.0 Total: 255.0



WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treating aqueous process wastes, such as ion exchange column effluent, distillates, and caustic scrub solutions generated by Plutonium Recovery Operations (Building 771). Portland cement is added to the waste package for absorption of free liquids. Waste drums may periodically contain surgeons' gloves, glovebox gloves, etc.



Since the fall of 1979, first-stage sludge (IDC 001) and Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [CH-uncertifiable] portion (20.14%) of the MWIR waste stream, [FIRST STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W216, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W218	Handling: CH	NMVP #: N/A	Stream Name: BLDG 374 DRY SLUDGE:Uncertifiable	Inventory Date:
Local ID: ID-RFO-007T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3121

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
APP8, F005, F003, F002, F001, D028, D022, D009, D008, D007, D006, D002		Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
	Iron-base Metal/Alloys:	Avg: 0.0, Min: 0.0, Max: 0.0	Residues: No	Pu-242: 5.10E-06
	Aluminum-base Metal/Alloys:	0.0, 0.0, 0.0	Asbestos: No	Pu-241: 1.89E+00
	Other Metals/Alloys:	0.0, 0.0, 0.0	PCBs: No	Pu-240: 7.09E-02
	Other Inorganic Material:	0.0, 0.0, 0.0	Source: Materials Production/Recovery Effluents	Pu-239: 3.13E-01
	Vitrified:	2500.0, 2500.0, 2500.0		Pu-238: 1.10E-02
	Cellulosics:	0.0, 0.0, 0.0		Am-241: 1.55E+00
	Rubber:	0.0, 0.0, 0.0		
	Plastics:	0.0, 0.0, 0.0		
	Solidified Inorganic Material:	0.0, 0.0, 0.0		
	Solidified Organic Material:	0.0, 0.0, 0.0		
	Cement (solidified):	0.0, 0.0, 0.0		
	Soils:	0.0, 0.0, 0.0		
	Packaging Material Steel:	131.0		
	Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0			
Packaging Material Steel Plug:	0.0			



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	367.4	0.0	0.0	0.0	0.0	367.4	55 Gallon Drum	183.9	0.0	0.0	0.0	0.0	183.9
Totals	367.4	0.0	0.0	0.0	0.0	367.4	Totals	183.9	0.0	0.0	0.0	0.0	183.9

As-Generated Form: Stored: 367.4 Projected: 0.0 Total: 367.4 Final Waste Form: Stored: 183.9 Projected: 0.0 Total: 183.9

WASTE STREAM DESCRIPTION	Building 374 solidified sludge consists of immobilized low-level mixed waste materials from decontamination-precipitation and neutralization processes in the Building 374 Liquid Waste Treatment Facility. The wastewater treatment operation includes neutralization, radioactive decontamination (precipitation), filtration, evaporation, spray drying, salt immobilization, and filtrate sludge immobilization. The sludge from the rotary drum vacuum filter has a dry appearance but is still very moist. The dried sludge was transferred from the dryer directly into a 55-gallon drum. The resulting waste consisted of dispersible fines and was assigned IDC 007.
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [BLDG 374 DRY SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W218, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W218	Handling: CH	NMVP #: 111	Stream Name: BLDG 374 DRY SLUDGE: Direct Ship	Inventory Date:
Local ID: ID-RFO-007T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D028, D022, D009, D008, D007, D006, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.5		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

111,211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.55E-06
Pu-241	9.44E-01
Pu-240	3.55E-02
Pu-239	1.56E-01
Pu-238	5.52E-03
Am-241	7.75E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	91.8	0.0	0.0	0.0	0.0	91.8	55 Gallon Drum	81.1	0.0	0.0	0.0	0.0	81.1
Totals	91.8	0.0	0.0	0.0	0.0	91.8	SWB used to overpack 55 gallon drums	20.8	0.0	0.0	0.0	0.0	20.8
							Totals	101.9	0.0	0.0	0.0	0.0	101.9

As-Generated Form: Stored: 91.8 Projected: 0.0 Total: 91.8

Final Waste Form: Stored: 101.9 Projected: 0.0 Total: 101.9

WASTE STREAM DESCRIPTION	Building 374 solidified sludge consists of immobilized low-level mixed waste materials from decontamination-precipitation and neutralization processes in the Building 374 Liquid Waste Treatment Facility. The wastewater treatment operation includes neutralization, radioactive decontamination (precipitation), filtration, evaporation, spray drying, salt immobilization, and filtrate sludge immobilization. The sludge from the rotary drum vacuum filter has a dry appearance but is still very moist. The dried sludge was transferred from the dryer directly into a 55-gallon drum. The resulting waste consisted of dispersible fines and was assigned IDC 007.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [BLDG 374 DRY SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W218, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W219	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED GRINDING SLUDGE, ETC.:Uncertifiable	Inventory Date:
Local ID: ID-BTO-030T	Type: MTRU	Generator Site: BT	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3120

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																				
F002, F001	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>2500.0</td><td>2500.0</td><td>2500.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	2500.0	2500.0	2500.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	0.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: No PCBs: No Source: Other/Multiple Sources	N/A	N/A
	Avg	Min	Max																																																																					
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Aluminum-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Other Metals/Alloys:	0.0	0.0	0.0																																																																					
Other Inorganic Material:	0.0	0.0	0.0																																																																					
Vitrified:	2500.0	2500.0	2500.0																																																																					
Cellulosics:	0.0	0.0	0.0																																																																					
Rubber:	0.0	0.0	0.0																																																																					
Plastics:	0.0	0.0	0.0																																																																					
Solidified Inorganic Material:	0.0	0.0	0.0																																																																					
Solidified Organic Material:	0.0	0.0	0.0																																																																					
Cement (solidified):	0.0	0.0	0.0																																																																					
Soils:	0.0	0.0	0.0																																																																					
Packaging Material Steel:	131.0																																																																							
Packaging Material Plastic:	0.0																																																																							
Packaging Material Lead:	0.0																																																																							
Packaging Material Steel Plug:	0.0																																																																							



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	7.6	0.0	0.0	0.0	0.0	7.6	55 Gallon Drum	4.0	0.0	0.0	0.0	0.0	4.0
Totals	7.6	0.0	0.0	0.0	0.0	7.6	Totals	4.0	0.0	0.0	0.0	0.0	4.0

As-Generated Form: Stored: 7.6 Projected: 0.0 Total: 7.6 Final Waste Form: Stored: 4.0 Projected: 0.0 Total: 4.0

WASTE STREAM DESCRIPTION

This waste stream, generated at Bettis Atomic Power Laboratory, consists of solidified grinding sludge and associated filters, rags, etc. The sludge can contain abraded grinding wheel material, which includes diamond dust, aluminum oxide, carborundum, and rubber. The waste is in either powder or cakes and contains not more than 10% of other waste items.

There are high levels of fines. In addition the drums may contain free liquids. The estimated organic content is less than 1 lb/ft³. No particle size data are provided, but it is assumed that WIPP-WAC limits for fines would be exceeded. No free liquids should be present. No explosive, pyrophoric, or corrosive material should be in the waste.

Both 17c and 6m 55-gallon drums were used for packaging the waste. Fissile content was determined by calculating the weight difference by chemical analysis or by an assay gauge.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [SOLIDIFIED GRINDING SLUDGE, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrif TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W219, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W219	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED GRINDING SLUDGE, ETC.:RH Direct Ship	Inventory Date:
Local ID: ID-BTO-030T	Type: MTRU	Generator Site: BT	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3120

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		
F002, F001	Iron-base Metal/Alloys: 0.0 0.0 0.0	Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: No		
	Other Inorganic Material: 0.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Other/Multiple Sources		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 0.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.9	0.0	0.0	0.0	0.0	1.9	55 Gallon Drum	1.9	0.0	0.0	0.0	0.0	1.9
Totals	1.9	0.0	0.0	0.0	0.0	1.9	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	2.3	0.0	0.0	0.0	0.0	2.3

As-Generated Form: Stored: 1.9 Projected: 0.0 Total: 1.9 Final Waste Form: Stored: 2.3 Projected: 0.0 Total: 2.3



WASTE STREAM DESCRIPTION

This waste stream, generated at Bettis Atomic Power Laboratory, consists of solidified grinding sludge and associated filters, rags, etc. The sludge can contain abraded grinding wheel material, which includes diamond dust, aluminum oxide, carborundum, and rubber. The waste is in either powder or cakes and contains not more than 10% of other waste items.



There are high levels of fines. In addition the drums may contain free liquids. The estimated organic content is less than 1 lb/ft³. No particle size data are provided, but it is assumed that WIPP-WAC limits for fines would be exceeded. No free liquids should be present. No explosive, pyrophoric, or corrosive material should be in the waste.

Both 17c and 6m 55-gallon drums were used for packaging the waste. Fissile content was determined by calculating the weight difference by chemical analysis or by an assay gauge.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SOLIDIFIED GRINDING SLUDGE, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W219, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W220	Handling: CH	NMVP #: N/A	Stream Name: RESEARCH GENERATED WASTE NONCOMPACTIBLE :Direct Ship	Inventory Date:
Local ID: ID-OFS-111T	Type: MTRU	Generator Site: AE	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D009, D008, D007, D006, D005, D004, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	3.0	3.0	3.0
Other Inorganic Material:	30.8	0.0	75.4
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	8.3	7.7	8.7
Solidified Inorganic Material:	655.9	455.4	804.7
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	27.6	19.2	33.9
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.5		
Packaging Material Plastic:	33.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

111

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	3.87E-08
U-233	4.25E-04
Pu-242	9.94E-06
Pu-241	3.68E+00
Pu-240	1.44E-01
Pu-239	6.55E-01
Pu-238	2.15E-02
Am-241	6.15E+00



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	110.7	0.0	0.0	0.0	0.0	110.7	55 Gallon Drum	97.8	0.0	0.0	0.0	0.0	97.8
Totals	110.7	0.0	0.0	0.0	0.0	110.7	SWB used to overpack 55 gallon drums	25.0	0.0	0.0	0.0	0.0	25.0
							Totals	122.8	0.0	0.0	0.0	0.0	122.8

As-Generated Form: Stored: 110.7 Projected: 0.0 Total: 110.7 Final Waste Form: Stored: 122.8 Projected: 0.0 Total: 122.8

WASTE STREAM DESCRIPTION

This waste includes waste generated at ANL-East and solid wet sludge from the Rocky Flats Plant. The ANL-E waste is derived from research activities performed in a laboratory environment. The waste includes concrete and laboratory apparatus. The waste is packaged in 55-gallon drums or in SWBs.

The solid wet sludge is cemented or dewatered sludge precipitated from aqueous waste treatment processes. Soils that are not contaminated with organic chemicals are also included.

Rocky flats waste included in 111 is IDC 007, Building 374 solidified sludge. IDC 007 consists of immobilized low-level mixed waste materials from decontamination-precipitation and neutralization processes in the Building 374 Liquid Waste Treatment Facility. The wastewater treatment operation includes neutralization, radioactive decontamination (precipitation), filtration, evaporation, spray drying, salt immobilization, and filtrate sludge immobilization. The sludge from the rotary drum vacuum filter has a dry appearance but is still very moist. The dried sludge was transferred from the dryer directly into a 55-gallon drum. The sludge was dried, or had portland cement and diatomite added to absorb liquids.

Note: Waste matrix composition listed is for Rocky Flats Waste.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [RESEARCH GENERATED WASTE NONCOMPACTIBLE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W220, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W220	Handling: CH	NMVP #: N/A	Stream Name: RESEARCH GENERATED WASTE NONCOMPACTIBLE :Cert-repack	Inventory Date:
Local ID: ID-OFS-111T	Type: MTRU	Generator Site: AE	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D009,
D008, D007, D006,
D005, D004, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	3.4	3.4	3.4
Other Inorganic Material:	34.8	0.0	85.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	9.4	8.7	9.8
Solidified Inorganic Material:	463.2	321.6	568.2
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	308.8	214.4	378.8
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE

111

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	3.87E-08
U-233	4.25E-04
Pu-242	9.94E-06
Pu-241	3.68E+00
Pu-240	1.44E-01
Pu-239	6.55E-01
Pu-238	2.15E-02
Am-241	6.15E+00



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	442.9	0.0	0.0	0.0	0.0	442.9	55 Gallon Drum	443.0	0.0	0.0	0.0	0.0	443.0
Totals	442.9	0.0	0.0	0.0	0.0	442.9	Totals	443.0	0.0	0.0	0.0	0.0	443.0

As-Generated Form: Stored: 442.9 Projected: 0.0 Total: 442.9

Final Waste Form: Stored: 443.0 Projected: 0.0 Total: 443.0

WASTE STREAM DESCRIPTION



This waste includes waste generated at ANL-East and solid wet sludge from the Rocky Flats Plant. The ANL-E waste is derived from research activities performed in a laboratory environment. The waste includes concrete and laboratory apparatus. The waste is packaged in 55-gallon drums or in SWBs.

The solid wet sludge is cemented or dewatered sludge precipitated from aqueous waste treatment processes. Solids that are not contaminated with organic chemicals are also included.

Rocky flats waste included in 111 is IDC 007, Building 374 solidified sludge. IDC 007 consists of immobilized low-level mixed waste materials from decontamination-precipitation and neutralization processes in the Building 374 Liquid Waste Treatment Facility. The wastewater treatment operation includes neutralization, radioactive decontamination (precipitation), filtration, evaporation, spray drying, salt immobilization, and filtrate sludge immobilization. The sludge from the rotary drum vacuum filter has a dry appearance but is still very moist. The dried sludge was transferred from the dryer directly into a 55-gallon drum. The sludge was dried, or had portland cement and diatomite added to absorb liquids.

Note: Waste matrix composition listed is for Rocky Flats Waste.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [RESEARCH GENERATED WASTE NONCOMPACTIBLE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W220, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

WASTE STREAM DESCRIPTION	Solid lab waste consists of cemented or absorbed neutralized aqueous laboratory waste and includes some waste from IDCs 004 and 292.
	Waste matrix composition listed is for IDC 004 waste, which accounts for most of the waste in this content code.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [SOLID LAB WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W221, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See B.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W221	Handling: CH	NMVP #: N/A	Stream Name: SOLID LAB WASTE: Cert-repack	Inventory Date:
Local ID: ID-RFO-113T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

**AS-GENERATED
EPA CODES**
APP8, F003, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	28.9	0.0	325.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	523.2	310.2	814.2
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	209.3	124.1	325.7
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

113

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.09E-05
Pu-242	2.82E-05
Pu-241	1.05E+01
Pu-240	3.93E-01
Pu-239	1.73E+00
Pu-238	6.11E-02

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	11.4	0.0	0.0	0.0	0.0	11.4
Totals	11.4	0.0	0.0	0.0	0.0	11.4

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	11.6	0.0	0.0	0.0	0.0	11.6
Totals	11.6	0.0	0.0	0.0	0.0	11.6

As-Generated Form: Stored: 11.4 Projected: 0.0 Total: 11.4

Final Waste Form: Stored: 11.6 Projected: 0.0 Total: 11.6

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W221	Handling: CH	NMVP #: N/A	Stream Name: SOLID LAB WASTE: Direct Ship	Inventory Date:
Local ID: ID-RFO-113T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

**AS-GENERATED
EPA CODES**
APP8, F003, D002

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	23.0	0.0	277.9
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	447.4	265.2	696.2
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	178.9	106.1	278.5
Soils:	0.0	0.0	0.0
Packaging Material Steel:	152.0		
Packaging Material Plastic:	31.9		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE
113

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.09E-05
Pu-242	2.82E-05
Pu-241	1.05E+01
Pu-240	3.93E-01
Pu-239	1.73E+00
Pu-238	6.11E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	3.0	0.0	0.0	0.0	0.0	3.0
Totals	3.0	0.0	0.0	0.0	0.0	3.0

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	2.7	0.0	0.0	0.0	0.0	2.7
SWB used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
Totals	3.6	0.0	0.0	0.0	0.0	3.6

As-Generated Form: Stored: 3.0 Projected: 0.0 Total: 3.0

Final Waste Form: Stored: 3.6 Projected: 0.0 Total: 3.6

WASTE STREAM DESCRIPTION	<p>Solid lab waste consists of cemented or absorbed neutralized aqueous laboratory waste and includes some waste from IDCs 004 and 292.</p> <p>Waste matrix composition listed is for IDC 004 waste, which accounts for most of the waste in this content code.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SOLID LAB WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W221, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W222	Handling: CH	NMVP #: N/A	Stream Name: CEMENTED SLUDGE: Direct Ship	Inventory Date:
Local ID: ID-RFO-292T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3123

AS-GENERATED EPA CODES
 APP8, F003, F002, F001, D008, D006, D002



WASTE MATERIAL PARAMETERS (kg/m3)	Avg Min Max		
	Iron-base Metal/Alloys:	0.1	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	9.6	0.0	193.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.4	0.0	2.9
Rubber:	0.0	0.0	0.0
Plastics:	36.7	7.7	60.2
Solidified Inorganic Material:	152.9	84.7	251.9
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	102.0	56.4	167.9
Soils:	0.0	0.0	0.0
Packaging Material Steel:	148.0		
Packaging Material Plastic:	32.9		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	TRUCON CODE
Category: Defense TRU Waste	N/A
Residues: No	
Asbestos: No	
PCBs: No	
Source: Pollution Control or Waste Treatment Process	

FINAL FORM RADIONUCLIDES	
Isotope (Ci/m3)	
Pu-242	1.43E-04
Pu-241	5.28E+01
Pu-240	1.98E+00
Pu-239	8.74E+00
Pu-238	3.08E-01
Am-241	1.35E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	22.0	0.0	0.0	0.0	0.0	22.0
Totals	22.0	0.0	0.0	0.0	0.0	22.0

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	19.6	0.0	0.0	0.0	0.0	19.6
SWB used to overpack 55 gallon drums	5.2	0.0	0.0	0.0	0.0	5.2
Totals	24.7	0.0	0.0	0.0	0.0	24.7

As-Generated Form: Stored: 22.0 Projected: 0.0 Total: 22.0

Final Waste Form: Stored: 24.7 Projected: 0.0 Total: 24.7

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Rocky Flats Plant, consists of sludge from the incinerator off-gas system, recovery building filter plenums, pumps, etc. Portland cement is added to absorb free liquids. The sludge may contain a limited number of surgical gloves. Content Code 292 replaced Code 290 in 1974.</p> <p>Before 1977, sludge was sealed in PVC bags, double-contained in plastic and placed in 1-gallon metal paint cans. Portland cement was added to the bottom and top of the can. After 1977, sludge was placed in 1-gallon PE bottles with layers of portland cement. Each can (or bottle) was assayed and placed in groups of about 25 into prepared 55-gallon drums. Drum preparation was in accordance with pre and post 1972 procedures. Starting in 1982, vermiculite replaced Oil-Dri as the material between the top of the waste material and the drum liner lid.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [CEMENTED SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W222, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W222	Handling: CH	NMVP #: N/A	Stream Name: CEMENTED SLUDGE: Uncertifiable	Inventory Date:
Local ID: ID-RFO-292T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3123

**AS-GENERATED
EPA CODES**
APP8, F003, F002,
F001, D008, D006,
D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE
N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.85E-04
Pu-241	1.06E+02
Pu-240	3.96E+00
Pu-239	1.75E+01
Pu-238	6.17E-01
Am-241	2.70E-02

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	77.4	0.0	0.0	0.0	0.0	77.4
Totals	77.4	0.0	0.0	0.0	0.0	77.4

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	39.1	0.0	0.0	0.0	0.0	39.1
Totals	39.1	0.0	0.0	0.0	0.0	39.1

As-Generated Form: Stored: 77.4 Projected: 0.0 Total: 77.4

Final Waste Form: Stored: 39.1 Projected: 0.0 Total: 39.1

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Rocky Flats Plant, consists of sludge from the incinerator off-gas system, recovery building filter plenums, pumps, etc. Portland cement is added to absorb free liquids. The sludge may contain a limited number of surgical gloves. Content Code 292 replaced Code 290 in 1974.</p> <p>Before 1977, sludge was sealed in PVC bags, double-contained in plastic and placed in 1-gallon metal paint cans. Portland cement was added to the bottom and top of the can. After 1977, sludge was placed in 1-gallon PE bottles with layers of portland cement. Each can (or bottle) was assayed and placed in groups of about 25 into prepared 55-gallon drums. Drum preparation was in accordance with pre and post 1972 procedures. Starting in 1982, vermiculite replaced Oil-Dri as the material between the top of the waste material and the drum liner lid.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (70.46%) of the * TWIR waste stream, [CEMENTED SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size inclin vitrf TRANS:trans WIPP:dlsp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W222, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W222	Handling: CH	NMVP #: N/A	Stream Name: CEMENTED SLUDGE: Cert-repack	Inventory Date:
Local ID: ID-RFO-292T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3123

**AS-GENERATED
EPA CODES**

APP8, F003, F002,
F001, D008, D006,
D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.1	0.0	1.1
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	10.9	0.0	219.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.4	0.0	3.3
Rubber:	0.0	0.0	0.0
Plastics:	41.6	8.7	68.3
Solidified Inorganic Material:	173.4	96.0	285.6
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	115.6	64.0	190.4
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:

Residues:

Asbestos:

PCBs:

Source:

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.43E-04
Pu-241	5.28E+01
Pu-240	1.98E+00
Pu-239	8.74E+00
Pu-238	3.08E-01
Am-241	1.35E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	11.0	0.0	0.0	0.0	0.0	11.0	55 Gallon Drum	10.6	0.0	0.0	0.0	0.0	10.6
Totals	11.0	0.0	0.0	0.0	0.0	11.0	Totals	10.6	0.0	0.0	0.0	0.0	10.6

As-Generated Form: Stored: Projected: Total: Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Rocky Flats Plant, consists of sludge from the incinerator off-gas system, recovery building filter plenums, pumps, etc. Portland cement is added to absorb free liquids. The sludge may contain a limited number of surgical gloves. Content Code 292 replaced Code 290 in 1974.</p> <p>Before 1977, sludge was sealed in PVC bags, double-contained in plastic and placed in 1-gallon metal paint cans. Portland cement was added to the bottom and top of the can. After 1977, sludge was placed in 1-gallon PE bottles with layers of portland cement. Each can (or bottle) was assayed and placed in groups of about 25 into prepared 55-gallon drums. Drum preparation was in accordance with pre and post 1972 procedures. Starting in 1982, vermiculite replaced Oil-Dri as the material between the top of the waste material and the drum liner lid.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (9.54%) of the MWIR waste stream, [CEMENTED SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W222, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W225	Handling: CH	NMVP #: 121	Stream Name: BENELEX AND PLEXIGLASS: Cert-repack	Inventory Date:
Local ID: ID-RFO-302T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

**AS-GENERATED
EPA CODES**

APP8, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	37.0	0.0	101.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	187.0	0.0	833.0
Rubber:	0.0	0.0	0.0
Plastics:	199.0	15.3	385.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

121, 221

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	4.08E-06
Pu-241	1.51E+00
Pu-240	5.87E-02
Pu-239	2.50E-01
Pu-238	8.82E-03
Am-241	4.10E-03



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	19.0	0.0	0.0	0.0	0.0	19.0
Drum	2.5	0.0	0.0	0.0	0.0	2.5
Totals	21.6	0.0	0.0	0.0	0.0	21.6

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	21.6	0.0	0.0	0.0	0.0	21.6
Totals	21.6	0.0	0.0	0.0	0.0	21.6

As-Generated Form: Stored: 21.6 Projected: 0.0 Total: 21.6

Final Waste Form: Stored: 21.6 Projected: 0.0 Total: 21.6

WASTE STREAM DESCRIPTION

This waste, generated at Rocky Flats Plant, consists of Benelex, which is used for neutron shielding, and Plexiglas glovebox windows. Lead sheeting (1/8 to 1/4 in. thick) may be attached to some benelex pieces. Benelex was usually coated with fire-retardant paint. In addition to Plexiglas, other types of glass such as leaded-glass may be present in the waste.

The waste may include limited amounts of surgeons' gloves, metal hinges on Benelex gloveport doors, pieces of angle iron attached to larger pieces of Benelex, and rubber gaskets from glovebox windows. Content code 302 replaced content code 464 during 1973.

The majority of waste drums will contain pieces of benelex (gloveport doors, etc.) generated from routine maintenance and renovation projects conducted primarily in 1972. Plexiglas and other types of glass may be found mixed in with the benelex and/or segregated and contained in a limited number of waste drums. Pieces of benelex waste were usually placed directly into prepared 55-gallon drums. Any contaminated Benelex was usually contained in plastic bags or wrapped in plastic sheeting. Plexiglas windows were usually contained in plastic before being placed in a prepared 55-gallon drum. Oil dri may have been added to the waste drums.

The waste boxes were generated during 1973 and 1974 and are believed to contain larger pieces of benelex shielding on angle iron frames that were removed during final fire cleanup operations in building 776. It is believed that the benelex came from the south foundry line in building 776, which was not directly involved in the 1969 fire and was decontaminated and placed back in operation.

The waste matrix composition listed is based on opening and examination of several drums of IDC 302 waste. More than 94% of this waste is in boxes, where a larger percentage of benelex (large pieces) can be expected.



WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (97.14%) of the MWIR waste stream, [BENELEX AND PLEXIGLASS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W225, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W225	Handling: CH	NMVP #: 121	Stream Name: BENELEX AND PLEXIGLASS:Direct Ship	Inventory Date:
Local ID: ID-RFO-302T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED EPA CODES

APP8, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	28.1	0.0	76.6
Vitrified:	0.0	0.0	0.0
Cellulosics:	141.7	0.0	631.2
Rubber:	0.0	0.0	0.0
Plastics:	150.8	11.6	291.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	165.9		
Packaging Material Plastic:	28.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

121, 221

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	4.08E-06
Pu-241	1.51E+00
Pu-240	5.67E-02
Pu-239	2.50E-01
Pu-238	8.82E-03
Am-241	4.10E-03



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.1	0.0	0.0	0.0	0.0	1.1

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6 Final Waste Form: Stored: 1.1 Projected: 0.0 Total: 1.1

WASTE STREAM DESCRIPTION

This waste, generated at Rocky Flats Plant, consists of Benelex, which is used for neutron shielding, and Plexiglas glovebox windows. Lead sheeting (1/8 to 1/4 in. thick) may be attached to some benelex pieces. Benelex was usually coated with fire-retardant paint. In addition to Plexiglas, other types of glass such as leaded-glass may be present in the waste.

The waste may include limited amounts of surgeons' gloves, metal hinges on Benelex gloveport doors, pieces of angle iron attached to larger pieces of Benelex, and rubber gaskets from glovebox windows. Content code 302 replaced content code 464 during 1973.



The majority of waste drums will contain pieces of benelex (gloveport doors, etc.) generated from routine maintenance and renovation projects conducted primarily in 1972. Plexiglas and other types of glass may be found mixed in with the benelex and/or segregated and contained in a limited number of waste drums. Pieces of benelex waste were usually placed directly into prepared 55-gallon drums. Any contaminated Benelex was usually contained in plastic bags or wrapped in plastic sheeting. Plexiglas windows were usually contained in plastic before being placed in a prepared 55-gallon drum. Oil dri may have been added to the waste drums.

The waste boxes were generated during 1973 and 1974 and are believed to contain larger pieces of benelex shielding on angle iron frames that were removed during final fire cleanup operations in building 776. It is believed that the benelex came from the south foundry line in building 776, which was not directly involved in the 1969 fire and was decontaminated and placed back in operation.

The waste matrix composition listed is based on opening and examination of several drums of IDC 302 waste. More than 94% of this waste is in boxes, where a larger percentage of benelex (large pieces) can be expected.

WASTE STREAM SOURCE

This record represents the [Direct Shlp] portion (2.86%) of the MWIR waste stream; [BENELEX AND PLEXIGLASS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W225, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W228	Handling: CH	NMVP #: N/A	Stream Name: SECOND STAGE SLUDGE: Direct Ship	Inventory Date:
Local ID: ID-RFO-002T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	20.1	0.0	91.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.1	0.0	1.0
Rubber:	0.0	0.0	0.0
Plastics:	2.8	1.9	3.9
Solidified Inorganic Material:	176.6	43.0	217.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	117.7	28.7	144.6
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.4		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Pollution Control or Waste Treatment Process

TRUCON CODE

211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.49E-06
Pu-241	5.52E-01
Pu-240	2.07E-02
Pu-239	9.15E-02
Pu-238	3.23E-03
Am-241	3.70E-01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	259.3	0.0	0.0	0.0	0.0	259.3
Totals	259.3	0.0	0.0	0.0	0.0	259.3

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	229.2	0.0	0.0	0.0	0.0	229.2
SWB used to overpack 55 gallon drums	58.1	0.0	0.0	0.0	0.0	58.1
Totals	287.3	0.0	0.0	0.0	0.0	287.3

As-Generated Form: Stored: 259.3 Projected: 0.0 Total: 259.3

Final Waste Form: Stored: 287.3 Projected: 0.0 Total: 287.3

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treatment of all other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids.

Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury and lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactive sources were also periodically included in second-stage drums through 1979.

Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

**WASTE STREAM SOURCE**

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SECOND STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W228, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W228	Handling: CH	NMVP #: N/A	Stream Name: SECOND STAGE SLUDGE:CH-uncert-other	Inventory Date:
Local ID: IO-RFO-002T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste [N/A]

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.98E-06
Pu-241	1.10E+00
Pu-240	4.15E-02
Pu-239	1.83E-01
Pu-238	6.46E-03
Am-241	7.40E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	397.5	0.0	0.0	0.0	0.0	397.5	55 Gallon Drum	198.8	0.0	0.0	0.0	0.0	198.8
Totals	397.5	0.0	0.0	0.0	0.0	397.5	Totals	198.8	0.0	0.0	0.0	0.0	198.8

As-Generated Form: Stored: 397.5 Projected: 0.0 Total: 397.5

Final Waste Form: Stored: 198.8 Projected: 0.0 Total: 198.8

WASTE STREAM DESCRIPTION



Waste consists of a wet sludge produced from treatment of all other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids.

Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury and lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactive sources were also periodically included in second-stage drums through 1979.

Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [CH-uncert-other] portion (30.65%) of the MWIR waste stream, [SECOND STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W228, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W228	Handling: CH	NMVP #: N/A	Stream Name: SECOND STAGE SLUDGE:CH-uncert-Hg	Inventory Date:
Local ID: ID-RFO-002T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3121

**AS-GENERATED
EPA CODES**

APP8, F003, F002,
F001, D028, D022,
D011, D009, D008,
D007, D006, D005,
D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE	N/A
Residues:	No		
Asbestos:	No		
PCBs:	No		
Source:	Pollution Control or Waste Treatment Process		

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	4.97E-07
Pu-241	1.84E-01
Pu-240	6.92E-03
Pu-239	3.05E-02
Pu-238	1.08E-03
Am-241	1.23E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	93-12	13-22	Totals	Container	Stored	Pre-97	98-02	93-12	13-22	Totals
Drum	10.6	0.0	0.0	0.0	0.0	10.6	55 Gallon Drum	31.8	0.0	0.0	0.0	0.0	31.8
Totals	10.6	0.0	0.0	0.0	0.0	10.6	Totals	31.8	0.0	0.0	0.0	0.0	31.8

As-Generated Form: Stored: 10.6 Projected: 0.0 Total: 10.6 Final Waste Form: Stored: 31.8 Projected: 0.0 Total: 31.8

WASTE STREAM DESCRIPTION



Waste consists of a wet sludge produced from treatment of all other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids.

Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury and lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactive sources were also periodically included in second-stage drums through 1979.

Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [CH:uncert-Hg] portion (.81%) of the MWIR waste stream, [SECOND STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amaig TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W228, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W228	Handling: CH	NMVP #: N/A	Stream Name: SECOND STAGE SLUDGE:CH-cert-repack	Inventory Date:
Local ID: ID-RFO-002T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	22.7	0.0	103.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.2	0.0	1.1
Rubber:	0.0	0.0	0.0
Plastics:	3.1	2.2	4.4
Solidified Inorganic Material:	199.2	48.5	244.8
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	132.8	32.4	163.2
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: No
 PCBs: No
 Source: Pollution Control or Waste Treatment Process

TRUCON CODE

211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.49E-06
Pu-241	5.52E-01
Pu-240	2.07E-02
Pu-239	9.15E-02
Pu-238	3.23E-03
Am-241	3.70E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	608.7	0.0	0.0	0.0	0.0	608.7	55 Gallon Drum	608.8	0.0	0.0	0.0	0.0	608.8
Totals	608.7	0.0	0.0	0.0	0.0	608.7	Totals	608.8	0.0	0.0	0.0	0.0	608.8

As-Generated Form: Stored: 608.7 Projected: 0.0 Total: 608.7 Final Waste Form: Stored: 608.8 Projected: 0.0 Total: 608.8

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treatment of all other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids.

Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury and lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactive sources were also periodically included in second-stage drums through 1979.

Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.



WASTE STREAM SOURCE

This record represents the [CH-cert-repack] portion (46.94%) of the MWIR waste stream, [SECOND STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W228, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W228	Handling: RH	NMVP #: N/A	Stream Name: SECOND STAGE SLUDGE:RH-uncert-other	Inventory Date:
Local ID: ID-RFO-002T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3121

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002
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	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.98E-06
Pu-241	1.10E+00
Pu-240	4.15E-02
Pu-239	1.83E-01
Pu-238	6.46E-03
Am-241	7.40E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.9	0.0	0.0	0.0	0.0	5.9	RH Canister used to overpack 55 gallon drums	4.7	0.0	0.0	0.0	0.0	4.7
Totals	5.9	0.0	0.0	0.0	0.0	5.9	Totals	4.7	0.0	0.0	0.0	0.0	4.7

As-Generated Form: Stored: 5.9 Projected: 0.0 Total: 5.9 Final Waste Form: Stored: 4.7 Projected: 0.0 Total: 4.7

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treatment of all other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids.

Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury and lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactive sources were also periodically included in second-stage drums through 1979.

Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.



WASTE STREAM SOURCE

This record represents the [RH-uncert-other] portion (.45%) of the MWIR waste stream, [SECOND STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk size incin vitrl TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W228, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W228	Handling: RH	NMVP #: N/A	Stream Name: SECOND STAGE SLUDGE:RH-uncert-Hg	Inventory Date:
Local ID: ID-RFO-002T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste N/A

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	4.97E-07
Pu-241	1.84E-01
Pu-240	6.92E-03
Pu-239	3.05E-02
Pu-238	1.08E-03
Am-241	1.23E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treatment of all other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids.

Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury and lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactive sources were also periodically included in second-stage drums through 1979.

Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [RH-uncert-Hg] portion (.02%) of the MWIR waste stream, [SECOND STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk [WPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W228, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W228	Handling: RH	NMVP #: N/A	Stream Name: SECOND STAGE SLUDGE:RH-cert-repack	Inventory Date:
Local ID: ID-RFO-002T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3121

AS-GENERATED EPA CODES

APP8, F003, F002, F001, D028, D022, D011, D009, D008, D007, D006, D005, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	15.8	0.0	71.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.1	0.0	0.8
Rubber:	0.0	0.0	0.0
Plastics:	2.2	1.5	3.0
Solidified Inorganic Material:	138.9	33.9	170.7
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	92.8	22.8	113.8
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: No
 PCBs: No
 Source: Pollution Control or Waste Treatment Process

TRUCON CODE

211

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.49E-06
Pu-241	5.52E-01
Pu-240	2.07E-02
Pu-239	9.15E-02
Pu-238	3.23E-03
Am-241	3.70E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	14.6	0.0	0.0	0.0	0.0	14.6	RH Canister used to overpack 55 gallon drums	21.4	0.0	0.0	0.0	0.0	21.4
Totals	14.6	0.0	0.0	0.0	0.0	14.6	Totals	21.4	0.0	0.0	0.0	0.0	21.4

As-Generated Form: Stored: 14.6 Projected: 0.0 Total: 14.6 Final Waste Form: Stored: 21.4 Projected: 0.0 Total: 21.4

WASTE STREAM DESCRIPTION

Waste consists of a wet sludge produced from treatment of all other plant radioactive and/or chemical contaminated wastes and further treatment of the first-stage effluent. Portland cement was added to the waste package for absorption of free liquids.



Second-stage sludge drums packaged prior to 1973 may contain other waste such as electric motors, bottles of chemical (usually liquid) wastes, mercury and lithium batteries, and small amounts of contaminated mercury in pint bottles. Radioactive sources were also periodically included in second-stage drums through 1979.

Since the fall of 1979, Second stage sludge (IDC 002) have been combined into Content Code 1 - Combined sludge. Content code 2 is no longer used.

Sludge is produced by treating aqueous wastes by the carrier precipitation process. Aqueous wastes are made basic, if necessary, with sodium hydroxide. Radioactive elements such as plutonium and americium are chemically precipitated from the liquid waste. Treatment chemicals include ferric sulfate, calcium chloride, magnesium sulfate, and flocculating agents. The treatment process produces a precipitate of the hydrated oxides of iron, magnesium, aluminum, silicon, etc., which also carries the hydrated oxides of plutonium and americium. The precipitate or slurry is filtered to produce a sludge containing 50 to 70 weight percent water.

Liquid wastes were analyzed for fissile content prior to release from Building 771 and 774, and were retained at Building 771 for further treatment if contaminated with above-discard amounts of plutonium.

WASTE STREAM SOURCE

This record represents the [RH-cert-repack] portion (1.13%) of the MWIR waste stream, [SECOND STAGE SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W228, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W230	Handling: CH	NMVP #: N/A	Stream Name: INORGANIC SOLID WASTE:Direct Ship	Inventory Date:
Local ID: ID-RFO-122T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5420

AS-GENERATED EPA CODES

APP8, F002, F001



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	463.1	42.1	1094.6
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	148.9		
Packaging Material Plastic:	32.7		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE

122

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	7.81E-06
Pu-242	1.37E-04
Pu-241	5.08E+01
Pu-240	1.91E+00
Pu-239	8.41E+00
Pu-238	2.97E-01
Am-241	5.07E-03

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	3.6	0.0	0.0	0.0	0.0	3.6
Totals	3.6	0.0	0.0	0.0	0.0	3.6

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	3.3	0.0	0.0	0.0	0.0	3.3
SWB used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
Totals	4.3	0.0	0.0	0.0	0.0	4.3

As-Generated Form: Stored: 3.6 Projected: 0.0 Total: 3.6

Final Waste Form: Stored: 4.3 Projected: 0.0 Total: 4.3

WASTE STREAM DESCRIPTION TRU inorganic solid waste consists of waste such as insulation, firebrick, and concrete. The IDCs packaged and included 122 are 371, 374, 377, and 422.

The majority of the waste in this content code is waste generated during maintenance/stripout activities. (I.e. replacement of firebrick or insulation.)

Waste matrix composition listed is for IDC 374, which makes up the bulk of the waste in this content code.

WASTE STREAM SOURCE This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [INORGANIC SOLID WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:dlsp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W230, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W230	Handling: CH	NMVP #: N/A	Stream Name: INORGANIC SOLID WASTE: Cert-repack	Inventory Date:
Local ID: ID-RFO-122T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5420

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																				
APP8, F002, F001	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>528.8</td><td>48.1</td><td>1250.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>37.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	528.8	48.1	1250.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	37.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Other/Multiple Sources	122	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>U-235</td><td>7.81E-06</td></tr> <tr><td>Pu-242</td><td>1.37E-04</td></tr> <tr><td>Pu-241</td><td>5.08E+01</td></tr> <tr><td>Pu-240</td><td>1.91E+00</td></tr> <tr><td>Pu-239</td><td>8.41E+00</td></tr> <tr><td>Pu-238</td><td>2.97E-01</td></tr> <tr><td>Am-241</td><td>5.07E-03</td></tr> </tbody> </table>	Isotope (Ci/m3)		U-235	7.81E-06	Pu-242	1.37E-04	Pu-241	5.08E+01	Pu-240	1.91E+00	Pu-239	8.41E+00	Pu-238	2.97E-01	Am-241	5.07E-03
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	14.6	0.0	0.0	0.0	0.0	14.6	55 Gallon Drum	14.8	0.0	0.0	0.0	0.0	14.8
Totals	14.6	0.0	0.0	0.0	0.0	14.6	Totals	14.8	0.0	0.0	0.0	0.0	14.8

As-Generated Form: Stored: 14.6 Projected: 0.0 Total: 14.6 Final Waste Form: Stored: 14.8 Projected: 0.0 Total: 14.8

WASTE STREAM DESCRIPTION	<p>TRU Inorganic solid waste consists of waste such as insulation, firebrick, and concrete. The IDCs packaged and included 122 are 371, 374, 377, and 422.</p> <p>The majority of the waste in this content code is waste generated during maintenance/stripout activities. (i.e. replacement of firebrick or insulation.)</p> <p>Waste matrix composition listed is for IDC 374, which makes up the bulk of the waste in this content code.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [INORGANIC SOLID WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W230, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W240	Handling: CH	NMVP #: N/A	Stream Name: GLASS WASTE: Cert-repack	Inventory Date:
Local ID: ID-RFO-118T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

**AS-GENERATED
EPA CODES**
APP8, F001, D009,
D008, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	1.6	0.0	13.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	299.0	51.4	850.0
Rubber:	0.0	0.0	0.0
Plastics:	1.1	0.0	8.7
Solidified Inorganic Material:	32.4	3.8	69.9
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE

118

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	3.74E-07
Pu-242	3.88E-05
Pu-241	1.43E+01
Pu-240	5.39E-01
Pu-239	2.38E+00
Pu-238	8.39E-02
Am-241	3.48E-01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	161.7	0.0	0.0	0.0	0.0	161.7
Drum	5.9	0.0	0.0	0.0	0.0	5.9
Totals	167.6	0.0	0.0	0.0	0.0	167.6

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	167.6	0.0	0.0	0.0	0.0	167.6
Totals	167.6	0.0	0.0	0.0	0.0	167.6

As-Generated Form: Stored: 167.6 Projected: 0.0 Total: 167.6

Final Waste Form: Stored: 167.6 Projected: 0.0 Total: 167.6

WASTE STREAM DESCRIPTION	TRU glass waste consists of discarded labware, windows, containers or raschig rings from various processes. The IDCs packaged and included in 118 are 440, 441, and 442. Waste matrix composition listed is for IDC 440. For IDCs 441 and 442, the "Other Glass" matrix would be mostly raschig rings.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (99.12%) of the MWIR waste stream, [GLASS WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W240, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W240	Handling: CH	NMVP #: N/A	Stream Name: GLASS WASTE: Direct Ship	Inventory Date:
Local ID: ID-RFO-118T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

**AS-GENERATED
EPA CODES**
APP8, F001, D009,
D008, D002

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	1.4	0.0	11.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	258.0	44.4	733.4
Rubber:	0.0	0.0	0.0
Plastics:	0.9	0.0	7.5
Solidified Inorganic Material:	28.0	3.3	60.3
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	150.8		
Packaging Material Plastic:	32.2		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE
118

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
U-235	3.74E-07
Pu-242	3.88E-05
Pu-241	1.43E+01
Pu-240	5.39E-01
Pu-239	2.38E+00
Pu-238	6.39E-02
Am-241	3.48E-01



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.5	0.0	0.0	0.0	0.0	1.5
Totals	1.5	0.0	0.0	0.0	0.0	1.5

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	1.9	0.0	0.0	0.0	0.0	1.9

As-Generated Form: Stored: 1.5 Projected: 0.0 Total: 1.5

Final Waste Form: Stored: 1.9 Projected: 0.0 Total: 1.9

WASTE STREAM DESCRIPTION	TRU glass waste consists of discarded labware, windows, containers or raschig rings from various processes. The IDCs packaged and included in 118 are 440, 441, and 442. Waste matrix composition listed is for IDC 440. For IDCs 441 and 442, the "Other Glass" matrix would be mostly raschig rings.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (.88%) of the MWIR waste stream, [GLASS WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W240, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W243	Handling: CH	NMVP #: 118	Stream Name: GLASS:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-440T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:	Isotope (Ci/m3)			
APP8, F005, F003, F002, F001, D029, D008, D002	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	118	U-238	4.26E-08
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		U-235	6.17E-07
	Other Metals/Alloys:	1.6	0.0	13.1	Asbestos: Unknown		Pu-242	3.49E-05
	Other Inorganic Material:	299.0	51.4	850.0	PCBs: No		Pu-241	1.29E+01
	Vitrified:	0.0	0.0	0.0	Source: Analytical Laboratory Waste		Pu-240	4.85E-01
	Cellulosics:	0.0	0.0	0.0			Pu-239	2.14E+00
	Rubber:	1.1	0.0	8.7			Pu-238	7.54E-02
	Plastics:	32.4	3.8	69.9			Am-241	1.52E-01
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	41.2	0.0	0.0	0.0	0.0	41.2	55 Gallon Drum	174.3	0.0	0.0	0.0	0.0	174.3
Drum	132.9	0.0	0.0	0.0	0.0	132.9	Totals	174.3	0.0	0.0	0.0	0.0	174.3
Totals	174.1	0.0	0.0	0.0	0.0	174.1							

As-Generated Form: Stored: 174.1 Projected: 0.0 Total: 174.1 Final Waste Form: Stored: 174.3 Projected: 0.0 Total: 174.3

WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists of glass sample vials, bottles, lead-taped sample vials, ion exchange columns, dissolver pots, laboratory glassware such as pyrex flasks and beakers, glovebox windows (glass, plexiglass, leaded glass), and crushed and ground glass. The waste includes limited amounts of other noncombustibles such as metals, and limited amounts of combustible wastes. No sludges should be present although some glass vials may contain limited amounts of free liquids. No explosive, pyrophoric, or corrosive materials should be in the waste.

Drums may contain respirable crushed glass fines or free liquids .

The glass may be packaged with some variation depending on if it is whole, broken to pieces, or crushed or ground. Whole or broken glass may be packaged in 1-gallon PE bottles, in 13-inch high by 15.5-inch diameter Fibre-Paks (either loose or inside plastic bags inside the Fibre-Pak), or double -packed in plastic bags, with the outside of the outer bag taped for protection against sharp edges. Glassware such as sample vials may be taped together before packaging. Nonline generated glassware, light bulbs, and fluorescent tubes are usually crushed or ground and placed directly into a prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Specific information on the box preparation was not available.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [CH-Cert-repack] portion (70.31%) of the MWIR waste stream, [GLASS] after processing. The proposed processing sequence is [SWEPP:segpk (WPF:segpk segpk TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W243, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W243	Handling: CH	NMVP #: N/A	Stream Name: GLASS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-440T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D029,
D008, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Analytical Laboratory Waste

TRUCON CODE N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	1.70E-07
U-235	2.47E-06
Pu-242	1.39E-04
Pu-241	5.16E+01
Pu-240	1.94E+00
Pu-239	8.54E+00
Pu-238	3.02E-01
Am-241	6.09E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	28.8	0.0	0.0	0.0	0.0	28.8	55 Gallon Drum	7.3	0.0	0.0	0.0	0.0	7.3
Totals	28.8	0.0	0.0	0.0	0.0	28.8	Totals	7.3	0.0	0.0	0.0	0.0	7.3

As-Generated Form: Stored: 28.8 Projected: 0.0 Total: 28.8 Final Waste Form: Stored: 7.3 Projected: 0.0 Total: 7.3

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of glass sample vials, bottles, lead-taped sample vials, ion exchange columns, dissolver pots, laboratory glassware such as pyrex flasks and beakers, glovebox windows (glass, plexiglass, leaded glass), and crushed and ground glass. The waste includes limited amounts of other noncombustibles such as metals, and limited amounts of combustible wastes. No sludges should be present although some glass vials may contain limited amounts of free liquids. No explosive, pyrophoric, or corrosive materials should be in the waste.



Drums may contain respirable crushed glass fines or free liquids.

The glass may be packaged with some variation depending on if it is whole, broken to pieces, or crushed or ground. Whole or broken glass may be packaged in 1-gallon PE bottles, in 13-inch high by 15.5-inch diameter Fibre-Paks (either loose or inside plastic bags inside the Fibre-Pak), or double-packed in plastic bags, with the outside of the outer bag taped for protection against sharp edges. Glassware such as sample vials may be taped together before packaging. Nonline generated glassware, light bulbs, and fluorescent tubes are usually crushed or ground and placed directly into a prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Specific information on the box preparation was not available.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [CH-Uncert] portion (11.69%) of the MWIR waste stream, [GLASS] after processing. The proposed processing sequence is [SWEPP:segpk (VWPF:segpk size incln vitrf TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W243, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W243	Handling: RH	NMVP #: 118	Stream Name: GLASS:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-440T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

**AS-GENERATED
EPA CODES**
APP8, F005, F003,
F002, F001, D029,
D008, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	1.1	0.0	9.1
Other Inorganic Material:	208.5	35.9	592.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.8	0.0	6.1
Plastics:	22.8	2.7	48.8
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Analytical Laboratory Waste

TRUCON CODE

118

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	4.28E-08
U-235	6.17E-07
Pu-242	3.49E-05
Pu-241	1.29E+01
Pu-240	4.85E-01
Pu-239	2.14E+00
Pu-238	7.54E-02
Am-241	1.52E-01



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.5	0.0	0.0	0.0	0.0	2.5
Totals	2.5	0.0	0.0	0.0	0.0	2.5

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
RH Canister used to overpack 55 gallon drums	3.6	0.0	0.0	0.0	0.0	3.6
Totals	3.6	0.0	0.0	0.0	0.0	3.6

As-Generated Form: Stored: 2.5 Projected: 0.0 Total: 2.5

Final Waste Form: Stored: 3.6 Projected: 0.0 Total: 3.6

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of glass sample vials, bottles, lead-taped sample vials, ion exchange columns, dissolver pots, laboratory glassware such as pyrex flasks and beakers, glovebox windows (glass, plexiglass, leaded glass), and crushed and ground glass. The waste includes limited amounts of other noncombustibles such as metals, and limited amounts of combustible wastes. No sludges should be present although some glass vials may contain limited amounts of free liquids. No explosive, pyrophoric, or corrosive materials should be in the waste.



Drums may contain respirable crushed glass fines or free liquids .

The glass may be packaged with some variation depending on if it is whole, broken to pieces, or crushed or ground. Whole or broken glass may be packaged in 1-gallon PE bottles, in 13-inch high by 15.5-inch diameter Fibre-Paks (either loose or inside plastic bags inside the Fibre-Pak), or double -packed in plastic bags, with the outside of the outer bag taped for protection against sharp edges. Glassware such as sample vials may be taped together before packaging. Nonline generated glassware, light bulbs, and fluorescent tubes are usually crushed or ground and placed directly into a prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Specific information on the box preparation was not available.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [RH-Cert-repack] portion (1%) of the MWIR waste stream, [GLASS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W243, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W243	Handling: RH	NMVP #: N/A	Stream Name: GLASS:RH-Uncert	Inventory Date:
Local ID: ID-RFO-440T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D008, D002
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Analytical Laboratory Waste

TRUCON CODE
N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	1.70E-07
U-235	2.47E-06
Pu-242	1.39E-04
Pu-241	5.16E+01
Pu-240	1.94E+00
Pu-239	8.54E+00
Pu-238	3.02E-01
Am-241	6.09E-01



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	0.8	0.0	0.0	0.0	0.0	0.8

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8

Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of glass sample vials, bottles, lead-taped sample vials, ion exchange columns, dissolver pots, laboratory glassware such as pyrex flasks and beakers, glovebox windows (glass, plexiglass, leaded glass), and crushed and ground glass. The waste includes limited amounts of other noncombustibles such as metals, and limited amounts of combustible wastes. No sludges should be present although some glass vials may contain limited amounts of free liquids. No explosive, pyrophoric, or corrosive materials should be in the waste.



Drums may contain respirable crushed glass fines or free liquids.

The glass may be packaged with some variation depending on if it is whole, broken to pieces, or crushed or ground. Whole or broken glass may be packaged in 1-gallon PE bottles, in 13-inch high by 15.5-inch diameter Fibre-Paks (either loose or inside plastic bags inside the Fibre-Pak), or double-packed in plastic bags, with the outside of the outer bag taped for protection against sharp edges. Glassware such as sample vials may be taped together before packaging. Nonline generated glassware, light bulbs, and fluorescent tubes are usually crushed or ground and placed directly into a prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Specific information on the box preparation was not available.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [RH-Uncert] portion (.33%) of the MWIR waste stream, [GLASS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W243, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W243	Handling: CH	NMVP #: 118	Stream Name: GLASS:Direct Ship	Inventory Date:
Local ID: ID-RFO-440T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D008, D002



WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	1.8	0.0	13.1
Other Inorganic Material:	299.0	51.4	850.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	1.1	0.0	8.7
Plastics:	32.4	3.8	69.9
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: Unknown
 PCBs: No
 Source: Analytical Laboratory Waste

TRUCON CODE

118

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	4.26E-08
U-235	6.17E-07
Pu-242	3.49E-05
Pu-241	1.29E+01
Pu-240	4.85E-01
Pu-239	2.14E+00
Pu-238	7.54E-02
Am-241	1.52E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	41.3	0.0	0.0	0.0	0.0	41.3	55 Gallon Drum	36.6	0.0	0.0	0.0	0.0	36.6
Totals	41.3	0.0	0.0	0.0	0.0	41.3	SWB used to overpack 55 gallon drums	9.4	0.0	0.0	0.0	0.0	9.4
							Totals	46.1	0.0	0.0	0.0	0.0	46.1

As-Generated Form: Stored: 41.3 Projected: 0.0 Total: 41.3 Final Waste Form: Stored: 46.1 Projected: 0.0 Total: 46.1

WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists of glass sample vials, bottles, lead-taped sample vials, ion exchange columns, dissolver pots, laboratory glassware such as pyrex flasks and beakers, glovebox windows (glass, plexiglass, leaded glass), and crushed and ground glass. The waste includes limited amounts of other noncombustibles such as metals, and limited amounts of combustible wastes. No sludges should be present although some glass vials may contain limited amounts of free liquids. No explosive, pyrophoric, or corrosive materials should be in the waste.

Drums may contain respirable crushed glass fines or free liquids.

The glass may be packaged with some variation depending on if it is whole, broken to pieces, or crushed or ground. Whole or broken glass may be packaged in 1-gallon PE bottles, in 13-inch high by 15.5-inch diameter Fibre-Paks (either loose or inside plastic bags inside the Fibre-Pak), or double-packed in plastic bags, with the outside of the outer bag taped for protection against sharp edges. Glassware such as sample vials may be taped together before packaging. Nonline generated glassware, light bulbs, and fluorescent tubes are usually crushed or ground and placed directly into a prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Specific information on the box preparation was not available.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (16.67%) of the MWIR waste stream, [GLASS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W243, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W245	Handling: CH	NMVP #: N/A	Stream Name: UNLEACHED RASHIG RINGS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-441T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APP8, F001, D008, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.40E-04
Pu-241	5.18E+01
Pu-240	1.95E+00
Pu-239	8.59E+00
Pu-238	3.03E-01
Am-241	2.44E-02



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of boronated glass rings used to minimize neutron multiplication in liquid storage tanks. Unleached Rashig Rings were used from 1971-79 as a separate stream and then combined with content code 442, Leached Rashig Rings. The rings are about 1.75 inch high and 1.5 inch in diameter, with a 0.25-inch wall thickness. The rings are heat and chemical resistant borosilicate glass with 11.8 - 13.8 weight % B₂O₃, with an isotopic content of 10B/11B of not less than 0.24. Some of the rings, which had above-discard amounts of plutonium, were leached with nitric acid to recover the plutonium and then rinsed with water and dried. Some of the rings may be contaminated with small amounts of oil.



No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.

The rings are triple contained in PE or PVC and placed in a 10-inch high, 15.5-inch diameter Fibre-Pak. Two Fibre-Paks are placed inside a prepared 55-gallon drum according to the standard pre-1972 and post-1972 drum packing procedures. A few of the drums contain broken rashig rings in taped-closed, 4-liter PE bottles with double bags inside the bottles.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [CH-Uncert] portion (.12%) of the MWIR waste stream, [UNLEACHED RASHIG RINGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vtrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W245, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W245	Handling: RH	NMVP #: N/A	Stream Name: UNLEACHED RASHIG RINGS:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-441T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APP8, F001, D008, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	246.2	146.5	309.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	15.8	9.4	24.8
Rubber:	0.0	0.0	0.0
Plastics:	5.5	2.3	9.4
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

225

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
Pu-242	7.00E-05
Pu-241	2.59E+01
Pu-240	9.74E-01
Pu-239	4.29E+00
Pu-238	1.52E-01
Am-241	1.22E-02



WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3
Totals	1.3	0.0	0.0	0.0	0.0	1.3

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
RH Canister used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
Totals	2.4	0.0	0.0	0.0	0.0	2.4

As-Generated Form: Stored: 1.3 Projected: 0.0 Total: 1.3

Final Waste Form: Stored: 2.4 Projected: 0.0 Total: 2.4

WASTE STREAM DESCRIPTION



This waste stream, generated at the Rocky Flats Plant, consists of boronated glass rings used to minimize neutron multiplication in liquid storage tanks. Unleached Rashig Rings were used from 1971-79 as a separate stream and then combined with content code 442, Leached Rashig Rings. The rings are about 1.75 inch high and 1.5 inch in diameter, with a 0.25-inch wall thickness. The rings are heat and chemical resistant borosilicate glass with 11.8 - 13.8 weight % B₂O₃, with an isotopic content of 10B/11B of not less than 0.24. Some of the rings, which had above-discard amounts of plutonium, were leached with nitric acid to recover the plutonium and then rinsed with water and dried. Some of the rings may be contaminated with small amounts of oil.

No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.

The rings are triple contained in PE or PVC and placed in a 10-inch high, 15.5-inch diameter Fibre-Pak. Two Fibre-Paks are placed inside a prepared 55-gallon drum according to the standard pre-1972 and post-1972 drum packing procedures. A few of the drums contain broken rashig rings in taped-closed, 4-liter PE bottles with double bags inside the bottles.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [RH-Cert-repack] portion (.8%) of the MWIR waste stream, [UNLEACHED RASHIG RINGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W245, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W245	Handling: CH	NMVP #: N/A	Stream Name: UNLEACHED RASHIG RINGS:Direct Ship	Inventory Date:
Local ID: ID-RFO-441T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES			
		Avg	Min	Max	Category:		Residues:	Asbestos:	PCBs:	Source:
APP8, F001, D008, D002, D001	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	No	No	No	Materials Production/Recovery Effluents	Pu-242 7.00E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0						Pu-241 2.59E+01
	Other Metals/Alloys:	0.0	0.0	0.0						Pu-240 9.74E-01
	Other Inorganic Material:	313.0	186.2	392.8						Pu-239 4.29E+00
	Vitrified:	0.0	0.0	0.0						Pu-238 1.52E-01
	Cellulosics:	20.1	12.0	31.6						Am-241 1.22E-02
	Rubber:	0.0	0.0	0.0						
	Plastics:	7.0	2.9	12.0						
	Solidified Inorganic Material:	0.0	0.0	0.0						
	Solidified Organic Material:	0.0	0.0	0.0						
	Cement (solidified):	0.0	0.0	0.0						
	Soils:	0.0	0.0	0.0						
	Packaging Material Steel:	147.3								
	Packaging Material Plastic:	33.1								
	Packaging Material Lead:	0.0								
	Packaging Material Steel Plug:	0.0								



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	33.7	0.0	0.0	0.0	0.0	33.7	55 Gallon Drum	30.0	0.0	0.0	0.0	0.0	30.0
Totals	33.7	0.0	0.0	0.0	0.0	33.7	SWB used to overpack 55 gallon drums	7.6	0.0	0.0	0.0	0.0	7.6
							Totals	37.5	0.0	0.0	0.0	0.0	37.5

As-Generated Form: Stored: 33.7 Projected: 0.0 Total: 33.7 Final Waste Form: Stored: 37.5 Projected: 0.0 Total: 37.5

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of boronated glass rings used to minimize neutron multiplication in liquid storage tanks. Unleached Rashig Rings were used from 1971-79 as a separate stream and then combined with content code 442, Leached Rashig Rings. The rings are about 1.75 inch high and 1.5 inch in diameter, with a 0.25-inch wall thickness. The rings are heat and chemical resistant borosilicate glass with 11.8 - 13.8 weight % B2O3, with an isotopic content of 10B/11B of not less than 0.24. Some of the rings, which had above-discard amounts of plutonium, were leached with nitric acid to recover the plutonium and then rinsed with water and dried. Some of the rings may be contaminated with small amounts of oil.



No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.

The rings are triple contained in PE or PVC and placed in a 10-inch high, 15.5-inch diameter Fibre-Pak. Two Fibre-Paks are placed inside a prepared 55-gallon drum according to the standard pre-1972 and post-1972 drum packing procedures. A few of the drums contain broken rashig rings in taped-closed, 4-liter PE bottles with double bags inside the bottles.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [UNLEACHED RASHIG RINGS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W245, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W245	Handling: CH	NMVP #: N/A	Stream Name: UNLEACHED RASHIG RINGS:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-441T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APPB, F001, D008, D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	353.0	210.0	443.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	22.7	13.5	35.8
Rubber:	0.0	0.0	0.0
Plastics:	7.9	3.3	13.5
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

225

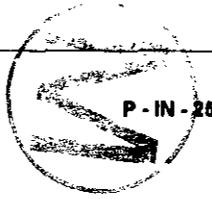
FINAL FORM RADIONUCLIDES

Isotope	Cl/m3
Pu-242	7.00E-05
Pu-241	2.59E+01
Pu-240	9.74E-01
Pu-239	4.29E+00
Pu-238	1.52E-01
Am-241	1.22E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	133.8	0.0	0.0	0.0	0.0	133.8	55 Gallon Drum	133.7	0.0	0.0	0.0	0.0	133.7
Totals	133.8	0.0	0.0	0.0	0.0	133.8	Totals	133.7	0.0	0.0	0.0	0.0	133.7

As-Generated Form: Stored: 133.8 Projected: 0.0 Total: 133.8 **Final Waste Form:** Stored: 133.7 Projected: 0.0 Total: 133.7



WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of boronated glass rings used to minimize neutron multiplication in liquid storage tanks. Unleached Rashig Rings were used from 1971-79 as a separate stream and then combined with content code 442, Leached Rashig Rings. The rings are about 1.75 inch high and 1.5 inch in diameter, with a 0.25-inch wall thickness. The rings are heat and chemical resistant borosilicate glass with 11.8 - 13.8 weight % B₂O₃, with an isotopic content of 10B/11B of not less than 0.24. Some of the rings, which had above-discard amounts of plutonium, were leached with nitric acid to recover the plutonium and then rinsed with water and dried. Some of the rings may be contaminated with small amounts of oil.

No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.

The rings are triple contained in PE or PVC and placed in a 10-inch high, 15.5-inch diameter Fibre-Pak. Two Fibre-Paks are placed inside a prepared 55-gallon drum according to the standard pre-1972 and post-1972 drum packing procedures. A few of the drums contain broken rashig rings in taped-closed, 4-liter PE bottles with double bags inside the bottles.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [CH-Cert-repack] portion (79.08%) of the MWIR waste stream, [UNLEACHED RASHIG RINGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W245, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W247	Handling: CH	NMVP #: N/A	Stream Name: LEACHED RASHIG RINGS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-442T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D028, D008, D002
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	8.23E-07
Pu-242	6.75E-05
Pu-241	2.50E+01
Pu-240	9.39E-01
Pu-239	4.14E+00
Pu-238	1.46E-01
Am-241	1.03E-02

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of boronated glass rings used to minimize neutron multiplication in liquid storage tanks. Content Code 441, Unleached Rashig Rings, were used from 1971-79 as a separate stream, and then combined with Content Code 442, Leached Rashig Rings. The rings are about 1.75 inch high and 1.5 inch in diameter, with a 0.25-inch wall thickness. The rings are heat and chemical resistant borosilicate glass with 11.8 - 13.8 weight % B₂O₃, with an isotopic content of 10B/11B of not less than 0.24. Some of the rings, which had above-discard amounts of plutonium, were leached with nitric acid to recover the plutonium and then rinsed with water, and dried. Some of the rings may be contaminated with small amounts of oil.

No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.

The rings are triple contained in PE or PVC and placed in a 10-inch high, 15.5-inch diameter Fibre-Pak. Two Fibre-Paks are placed inside a prepared 55-gallon drum according to the standard pre-1972 and post-1972 drum packing procedures. A few of the drums contain broken rashig rings in taped-closed, 4-liter PE bottles with double bags inside the bottles.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [CH-Uncert] portion (.07%) of the MWIR waste stream, [LEACHED RASHIG RINGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W247, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W247	Handling: CH	NMVP #: 118	Stream Name: LEACHED RASHIG RINGS: CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-442T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3117

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D029,
D028, D008, D002

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	197.0	86.3	382.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	23.6	0.0	26.2
Rubber:	0.0	0.0	0.0
Plastics:	10.3	4.4	24.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: No
 PCBs: No
 Source: Materials Production/Recovery Effluents

TRUCON CODE

118, 218

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	4.12E-07
Pu-242	3.38E-05
Pu-241	1.25E+01
Pu-240	4.70E-01
Pu-239	2.07E+00
Pu-238	7.31E-02
Am-241	5.16E-03

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	76.1	0.0	0.0	0.0	0.0	76.1
Drum	97.5	0.0	0.0	0.0	0.0	97.5
Totals	173.6	0.0	0.0	0.0	0.0	173.6

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	173.7	0.0	0.0	0.0	0.0	173.7
Totals	173.7	0.0	0.0	0.0	0.0	173.7

As-Generated Form: Stored: 173.6 Projected: 0.0 Total: 173.6

Final Waste Form: Stored: 173.7 Projected: 0.0 Total: 173.7

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of boronated glass rings used to minimize neutron multiplication in liquid storage tanks. Content Code 441, Unleached Rashig Rings, were used from 1971-79 as a separate stream, and then combined with Content Code 442, Leached Rashig Rings. The rings are about 1.75 inch high and 1.5 inch in diameter, with a 0.25-inch wall thickness. The rings are heat and chemical resistant borosilicate glass with 11.8 - 13.8 weight % B₂O₃, with an isotopic content of 10B/11B of not less than 0.24. Some of the rings, which had above-discard amounts of plutonium, were leached with nitric acid to recover the plutonium and then rinsed with water, and dried. Some of the rings may be contaminated with small amounts of oil.

No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.

The rings are triple contained in PE or PVC and placed in a 10-inch high, 15.5-inch diameter Fibre-Pak. Two Fibre-Paks are placed inside a prepared 55-gallon drum according to the standard pre-1972 and post-1972 drum packing procedures. A few of the drums contain broken rashig rings in taped-closed, 4-liter PE bottles with double bags inside the bottles.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [CH-Cert-repack] portion (87.07%) of the MWIR waste stream, [LEACHED RASHIG RINGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W247, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W247	Handling: RH	NMVP #: 118	Stream Name: LEACHED RASHIG RINGS:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-442T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D028, D008, D002
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	137.4	60.2	266.4
Vitrified:	0.0	0.0	0.0
Cellulosics:	16.5	0.0	18.3
Rubber:	0.0	0.0	0.0
Plastics:	7.2	3.0	17.2
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

118, 218

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	4.12E-07
Pu-242	3.38E-05
Pu-241	1.25E+01
Pu-240	4.70E-01
Pu-239	2.07E+00
Pu-238	7.31E-02
Am-241	5.16E-03

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	RH Canister used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
Totals	1.1	0.0	0.0	0.0	0.0	1.1	Totals	2.4	0.0	0.0	0.0	0.0	2.4

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 Final Waste Form: Stored: 2.4 Projected: 0.0 Total: 2.4

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of boronated glass rings used to minimize neutron multiplication in liquid storage tanks. Content Code 441, Unleached Rashig Rings, were used from 1971-79 as a separate stream, and then combined with Content Code 442, Leached Rashig Rings. The rings are about 1.75 inch high and 1.5 inch in diameter, with a 0.25-inch wall thickness. The rings are heat and chemical resistant borosilicate glass with 11.8 - 13.8 weight % B₂O₃, with an isotopic content of 10B/11B of not less than 0.24. Some of the rings, which had above-discard amounts of plutonium, were leached with nitric acid to recover the plutonium and then rinsed with water, and dried. Some of the rings may be contaminated with small amounts of oil.

No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.

The rings are triple contained in PE or PVC and placed in a 10-inch high, 15.5-inch diameter Fibre-Pak. Two Fibre-Paks are placed inside a prepared 55-gallon drum according to the standard pre-1972 and post-1972 drum packing procedures. A few of the drums contain broken rashig rings in taped-closed, 4-liter PE bottles with double bags inside the bottles.

Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.

WASTE STREAM SOURCE

This record represents the [RH-Cert-repack] portion (.49%) of the MWIR waste stream, [LEACHED RASHIG RINGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W247, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W247	Handling: CH	NMVP #: 118	Stream Name: LEACHED RASHIG RINGS: Direct Ship	Inventory Date:
Local ID: ID-RFO-442T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D028, D008, D002
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	174.2	76.3	337.7
Vitrified:	0.0	0.0	0.0
Cellulosics:	20.9	0.0	23.2
Rubber:	0.0	0.0	0.0
Plastics:	9.1	3.9	21.8
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.7		
Packaging Material Plastic:	33.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

118, 218

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	4.12E-07
Pu-242	3.38E-05
Pu-241	1.25E+01
Pu-240	4.70E-01
Pu-239	2.07E+00
Pu-238	7.31E-02
Am-241	5.16E-03

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	24.6	0.0	0.0	0.0	0.0	24.6
Totals	24.6	0.0	0.0	0.0	0.0	24.6

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	21.8	0.0	0.0	0.0	0.0	21.8
SWB used to overpack 55 gallon drums	5.7	0.0	0.0	0.0	0.0	5.7
Totals	27.5	0.0	0.0	0.0	0.0	27.5

As-Generated Form: Stored: 24.6 Projected: 0.0 Total: 24.6

Final Waste Form: Stored: 27.5 Projected: 0.0 Total: 27.5

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, consists of boronated glass rings used to minimize neutron multiplication in liquid storage tanks. Content Code 441, Unleached Rashig Rings, were used from 1971-79 as a separate stream, and then combined with Content Code 442, Leached Rashig Rings. The rings are about 1.75 inch high and 1.5 inch in diameter, with a 0.25-inch wall thickness. The rings are heat and chemical resistant borosilicate glass with 11.8 - 13.8 weight % B2O3, with an isotopic content of 10B/11B of not less than 0.24. Some of the rings, which had above-discard amounts of plutonium, were leached with nitric acid to recover the plutonium and then rinsed with water, and dried. Some of the rings may be contaminated with small amounts of oil.</p> <p>No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.</p> <p>The rings are triple contained in PE or PVC and placed in a 10-inch high, 15.5-inch diameter Fibre-Pak. Two Fibre-Paks are placed inside a prepared 55-gallon drum according to the standard pre-1972 and post-1972 drum packing procedures. A few of the drums contain broken rashig rings in taped-closed, 4-liter PE bottles with double bags inside the bottles.</p> <p>Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. A small number of the drums are lead-lined. Also, Oil-Dri was added to the glass waste if moisture was present.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (12.37%) of the MWIR waste stream, [LEACHED RASHIG RINGS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:dlsp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W247, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	<p>N/A</p>
EPA COMMENTS	<p>The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.</p>
MANAGEMENT COMMENTS	<p>Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.</p>
ACCEPTANCE COMMENTS	<p>N/A</p>
FINAL FORM COMMENTS	<p>All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.</p>

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W249	Handling: CH	NMVP #: N/A	Stream Name: GLASS, FLASKS, SAMPLE VIALS, ETC.: Cert-repack	Inventory Date:
Local ID: ID-MDO-810T	Type: MTRU	Generator Site: MD	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max			Isotope (Ci/m3)	
D009	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A		
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-239	4.28E+00
	Other Metals/Alloys:	1.6	0.0	13.1	Asbestos: No		Pu-238	5.95E+02
	Other Inorganic Material:	299.0	51.4	850.0	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Analytical Laboratory Waste			
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	1.1	0.0	8.7				
	Plastics:	32.4	3.8	69.9				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.1	0.0	0.0	0.0	0.0	2.1	55 Gallon Drum	2.3	0.0	0.0	0.0	0.0	2.3
Totals	2.1	0.0	0.0	0.0	0.0	2.1	Totals	2.3	0.0	0.0	0.0	0.0	2.3

As-Generated Form: Stored: 2.1 Projected: 0.0 Total: 2.1 Final Waste Form: Stored: 2.3 Projected: 0.0 Total: 2.3



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, consists mostly of whole and broken glassware and glass sample vials. The majority of the glass is pyrex. Limited amounts of other noncombustibles, material similar to that in Content Codes 803, 805, 811, and 826 may be present. Even though some of the glassware is broken, fines should not exceed WIPP-WAC limits for respirable or dispersed fines. No inorganic sludges, no explosive, pyrophoric, or corrosive materials should be in the waste.</p> <p>Most of the glassware is broken into pieces about 1 inch in diameter to reduce total volume. The material is packaged into 1 or 2-quart metal cans with lids. Each can is assayed for plutonium content and then placed with up to four other cans into a sleeve bag, which is sealed with tape. Up to five sleeve bags are placed inside a drum. Each drum is lined with a 90-mil drum liner, which is lined with a PE drum bag. Plywood spacers are placed between the rigid liner lid and the drum lid.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (79.91%) of the MWIR waste stream, [GLASS, FLASKS, SAMPLE VIALS, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:diap]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W249, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste is expected to be non-mixed when cartons of liquid mercury are removed.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W249	Handling: CH	NMVP #: N/A	Stream Name: GLASS, FLASKS, SAMPLE VIALS, ETC.: Direct Ship	Inventory Date:
Local ID: ID-MDO-810T	Type: MTRU	Generator Site: MD	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

**AS-GENERATED
EPA CODES**

D009

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	1.2	0.0	9.9
Other Inorganic Material:	226.6	39.0	644.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.8	0.0	6.6
Plastics:	24.6	2.9	53.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	165.9		
Packaging Material Plastic:	28.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Analytical Laboratory Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	4.28E+00
Pu-238	5.95E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.1	0.0	0.0	0.0	0.0	1.1

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4

Final Waste Form: Stored: 1.1 Projected: 0.0 Total: 1.1

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, consists mostly of whole and broken glassware and glass sample vials. The majority of the glass is pyrex. Limited amounts of other noncombustibles, material similar to that in Content Codes 803, 805, 811, and 826 may be present. Even though some of the glassware is broken, fines should not exceed WIPP-WAC limits for reparable or dispersed fines. No inorganic sludges, no explosive, pyrophoric, or corrosive materials should be in the waste.</p> <p>Most of the glassware is broken into pieces about 1 inch in diameter to reduce total volume. The material is packaged into 1 or 2-quart metal cans with lids. Each can is assayed for plutonium content and then placed with up to four other cans into a sleeve bag, which is sealed with tape. Up to five sleeve bags are placed inside a drum. Each drum is lined with a 90-mil drum liner, which is lined with a PE drum bag. Plywood spacers are placed between the rigid liner lid and the drum lid.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [GLASS, FLASKS, SAMPLE VIALS, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W249, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste is expected to be non-mixed when cartons of liquid mercury are removed.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

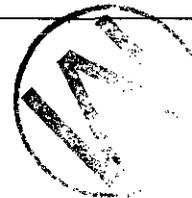
HQ ID: IN-W249	Handling: CH	NMVP #: N/A	Stream Name: GLASS, FLASKS, SAMPLE VIALS, ETC.:Hg	Inventory Date:
Local ID: ID-MDO-810T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																										
D009	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	0.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: No PCBs: No Source: Analytical Laboratory Waste	N/A	<table border="1"> <thead> <tr> <th>Isotope</th> <th>CI/m3</th> </tr> </thead> <tbody> <tr><td>Pu-239</td><td>1.43E+00</td></tr> <tr><td>Pu-238</td><td>1.99E+02</td></tr> </tbody> </table>	Isotope	CI/m3	Pu-239	1.43E+00	Pu-238	1.99E+02
	Avg	Min	Max																																																																											
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																											
Aluminum-base Metal/Alloys:	0.0	0.0	0.0																																																																											
Other Metals/Alloys:	0.0	0.0	0.0																																																																											
Other Inorganic Material:	0.0	0.0	0.0																																																																											
Vitrified:	0.0	0.0	0.0																																																																											
Cellulosics:	0.0	0.0	0.0																																																																											
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Plastics:	0.0	0.0	0.0																																																																											
Solidified Inorganic Material:	0.0	0.0	0.0																																																																											
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, consists mostly of whole and broken glassware and glass sample vials. The majority of the glass is pyrex. Limited amounts of other noncombustibles, material similar to that in Content Codes 803, 805, 811, and 826 may be present. Even though some of the glassware is broken, fines should not exceed WIPP-WAC limits for respirable or dispersed fines. No inorganic sludges, no explosive, pyrophoric, or corrosive materials should be in the waste.</p> <p>Most of the glassware is broken into pieces about 1 inch in diameter to reduce total volume. The material is packaged into 1 or 2-quart metal cans with lids. Each can is assayed for plutonium content and then placed with up to four other cans into a sleeve bag, which is sealed with tape. Up to five sleeve bags are placed inside a drum. Each drum is lined with a 90-mil drum liner, which is lined with a PE drum bag. Plywood spacers are placed between the rigid liner lid and the drum lid.</p>
WASTE STREAM SOURCE	<p>This record represents the [Hg] portion (.09%) of the MWIR waste stream, [GLASS, FLASKS, SAMPLE VIALS, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W249, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	<p>The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste is expected to be non-mixed when cartons of liquid mercury are removed.</p>
MANAGEMENT COMMENTS	<p>Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.</p>
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	<p>All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.</p>

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W250	Handling: CH	NMVP #: N/A	Stream Name: LEADED RUBBER:Direct Ship	Inventory Date:
Local ID: ID-RFO-123T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5311

**AS-GENERATED
EPA CODES**
APP8, D008

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	226.4	50.1	420.7
Other Inorganic Material:	25.5	4.3	63.9
Vitrified:	0.0	0.0	0.0
Cellulosics:	4.8	1.1	9.0
Rubber:	236.0	52.2	438.7
Plastics:	14.5	3.2	28.9
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	
Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE
123

FINAL FORM RADIONUCLIDES	
Isotope (Ci/m3)	
Pu-242	1.08E-04
Pu-241	3.99E+01
Pu-240	1.50E+00
Pu-239	6.61E+00
Pu-238	2.33E-01
Am-241	8.02E-04

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	12.7	0.0	0.0	0.0	0.0	12.7
Totals	12.7	0.0	0.0	0.0	0.0	12.7

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	11.2	0.0	0.0	0.0	0.0	11.2
SWB used to overpack 55 gallon drums	2.8	0.0	0.0	0.0	0.0	2.8
Totals	14.1	0.0	0.0	0.0	0.0	14.1

As-Generated Form: Stored: 12.7 Projected: 0.0 Total: 12.7

Final Waste Form: Stored: 14.1 Projected: 0.0 Total: 14.1

WASTE STREAM DESCRIPTION	TRU leaded rubber waste consists of discarded leaded glovebox gloves and leaded aprons. The IDC packaged and included in 123 is 339.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [LEADED RUBBER] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W250, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W250	Handling: CH	NMVP #: N/A	Stream Name: LEADED RUBBER: Cert-repack	Inventory Date:
Local ID: ID-RFO-123T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5311

**AS-GENERATED
EPA CODES**

APP8, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	255.3	56.5	474.5
Other Inorganic Material:	28.8	4.8	72.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	5.4	1.2	10.1
Rubber:	266.2	58.9	494.7
Plastics:	18.3	3.6	30.3
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

123

FINAL FORM RADIONUCLIDES

isotope (Ci/m3)	
Pu-242	1.08E-04
Pu-241	3.99E+01
Pu-240	1.50E+00
Pu-239	6.61E+00
Pu-238	2.33E-01
Am-241	8.02E-04

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	50.9	0.0	0.0	0.0	0.0	50.9
Totals	50.9	0.0	0.0	0.0	0.0	50.9

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	51.0	0.0	0.0	0.0	0.0	51.0
Totals	51.0	0.0	0.0	0.0	0.0	51.0

As-Generated Form: Stored: 50.9 Projected: 0.0 Total: 50.9

Final Waste Form: Stored: 51.0 Projected: 0.0 Total: 51.0

WASTE STREAM DESCRIPTION	TRU leaded rubber waste consists of discarded leaded glovebox gloves and leaded aprons. The IDC packaged and included in 123 is 339.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [LEADED RUBBER] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W250, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See B.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W252	Handling: CH	NMVP #: N/A	Stream Name: LEADED RUBBER GLOVES AND APRONS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-339T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5311

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
APP8, F005, F003, F002, F001, D029, D028, D022, D008	Avg Min Max	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
	Iron-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		Pu-242 1.18E-02
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		Pu-241 4.37E+03
	Other Metals/Alloys: 0.0 0.0 0.0	PCBs: No		Pu-240 1.84E+02
	Other Inorganic Material: 0.0 0.0 0.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-239 7.25E+02
	Vitrified: 2500.0 2500.0 2500.0			Pu-238 2.56E+01
	Cellulosics: 0.0 0.0 0.0			Am-241 2.58E+01
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 0.0			
Packaging Material Lead: 0.0				
Packaging Material Steel Plug: 0.0				

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	1.3	0.0	0.0	0.0	0.0	1.3	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 1.3 Projected: 0.0 Total: 1.3 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.
WASTE STREAM SOURCE	<p>This record represents the [CH-Uncert] portion (.79%) of the MWIR waste stream, [LEADED RUBBER GLOVES AND APRONS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W252, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W252	Handling: RH	NMVP #: 123	Stream Name: LEADED RUBBER GLOVES AND APRONS:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-339T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5311

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D029,
D028, D022, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	13.4	3.6	45.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	2.6	0.0	19.8
Rubber:	286.0	185.5	438.7
Plastics:	8.4	2.3	31.2
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

123, 223

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.18E-04
Pu-241	4.37E+01
Pu-240	1.64E+00
Pu-239	7.25E+00
Pu-238	2.56E-01
Am-241	2.58E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	11.9	0.0	0.0	0.0	0.0	11.9	RH Canister used to overpack 55 gallon drums	17.8	0.0	0.0	0.0	0.0	17.8
Totals	11.9	0.0	0.0	0.0	0.0	11.9	Totals	17.8	0.0	0.0	0.0	0.0	17.8

As-Generated Form: Stored: 11.9 Projected: 0.0 Total: 11.9

Final Waste Form: Stored: 17.8 Projected: 0.0 Total: 17.8

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 483 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (7.37%) of the MWIR waste stream, [LEADED RUBBER GLOVES AND APRONS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:dlsr]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W252, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W252	Handling: CH	NMVP #: 123	Stream Name: LEADED RUBBER GLOVES AND APRONS:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-339T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5311

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F005, F003, F002, F001, D029, D028, D022, D008
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	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	19.2	5.2	64.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	3.7	0.0	28.4
Rubber:	410.0	266.0	629.0
Plastics:	12.0	3.3	44.8
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

123, 223

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.18E-04
Pu-241	4.37E+01
Pu-240	1.64E+00
Pu-239	7.25E+00
Pu-238	2.56E-01
Am-241	2.58E-01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	12.7	0.0	0.0	0.0	0.0	12.7
Drum	104.9	0.0	0.0	0.0	0.0	104.9
Totals	117.6	0.0	0.0	0.0	0.0	117.6

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	117.7	0.0	0.0	0.0	0.0	117.7
Totals	117.7	0.0	0.0	0.0	0.0	117.7

As-Generated Form: Stored: 117.6 Projected: 0.0 Total: 117.6 Final Waste Form: Stored: 117.7 Projected: 0.0 Total: 117.7

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.
WASTE STREAM SOURCE	<p>This record represents the [CH-Cert-repack] portion (73.42%) of the MWIR waste stream, [LEADED RUBBER GLOVES AND APRONS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W252, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W252	Handling: CH	NMVP #: 123	Stream Name: LEADED RUBBER GLOVES AND APRONS:CH-Cert	Inventory Date:
Local ID: ID-RFO-339T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5311

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max			Isotope (Ci/m3)	
APP8, F005, F003, F002, F001, D029, D028, D022, D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	123, 223	Pu-242	1.18E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	4.37E+01
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	1.64E+00
	Other Inorganic Material:	17.1	4.6	57.2	PCBs: No		Pu-239	7.25E+00
	Vitrified:	0.0	0.0	0.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-238	2.56E-01
	Cellulosics:	3.3	0.0	25.2			Am-241	2.58E-01
	Rubber:	363.6	235.9	557.7				
	Plastics:	10.6	2.9	39.7				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	147.3						
	Packaging Material Plastic:	33.1						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	29.5	0.0	0.0	0.0	0.0	29.5	55 Gallon Drum	26.2	0.0	0.0	0.0	0.0	26.2
Totals	29.5	0.0	0.0	0.0	0.0	29.5	SWB used to overpack 55 gallon drums	6.6	0.0	0.0	0.0	0.0	6.6
							Totals	32.8	0.0	0.0	0.0	0.0	32.8

As-Generated Form: Stored: 29.5 Projected: 0.0 Total: 29.5

Final Waste Form: Stored: 32.8 Projected: 0.0 Total: 32.8

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.
WASTE STREAM SOURCE	<p>This record represents the [CH-Direct Ship] portion (18.42%) of the MWIR waste stream, [LEADED RUBBER GLOVES AND APRONS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W252, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W254	Handling: CH	NMVP #: N/A	Stream Name: LEADED RUBBER GLOVES AND APRONS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-463T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5311

**AS-GENERATED
EPA CODES**

F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.07E-03
Pu-241	2.62E+03
Pu-240	9.83E+01
Pu-239	4.33E+02
Pu-238	1.53E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.
WASTE STREAM SOURCE	This record represents the [CH-Uncert] portion (.75%) of the MWIR waste stream, [LEADED RUBBER GLOVES AND APRONS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W254, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W254	Handling: RH	NMVP #: N/A	Stream Name: LEADED RUBBER GLOVES AND APRONS:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-463T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5311

**AS-GENERATED
EPA CODES**
F002, F001, D008

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	178.1	39.4	330.9
Other Inorganic Material:	20.1	3.3	50.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	3.8	0.8	7.0
Rubber:	185.7	41.1	345.0
Plastics:	11.4	2.5	21.1
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS	
Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE
223

FINAL FORM RADIONUCLIDES	
isotope (Ci/m3)	
Pu-242	7.07E-05
Pu-241	2.62E+01
Pu-240	9.83E-01
Pu-239	4.33E+00
Pu-238	1.53E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	93-12	13-22	Totals	Container	Stored	Pre-97	98-02	93-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2



WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (8%) of the MWIR waste stream, [LEADED RUBBER GLOVES AND APRONS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W254, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W254	Handling: CH	NMVP #: N/A	Stream Name: LEADED RUBBER GLOVES AND APRONS:Direct Ship	Inventory Date:
Local ID: ID-RFO-463T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5311

AS-GENERATED EPA CODES

F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	226.4	50.1	420.7
Other Inorganic Material:	25.5	4.3	63.9
Vitrified:	0.0	0.0	0.0
Cellulosics:	4.8	1.1	9.0
Rubber:	236.0	52.2	438.7
Plastics:	14.5	3.2	26.9
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

223

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.07E-05
Pu-241	2.62E+01
Pu-240	9.83E-01
Pu-239	4.33E+00
Pu-238	1.53E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.9	0.0	0.0	0.0	0.0	1.9	55 Gallon Drum	1.9	0.0	0.0	0.0	0.0	1.9
Totals	1.9	0.0	0.0	0.0	0.0	1.9	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	2.3	0.0	0.0	0.0	0.0	2.3

As-Generated Form: Stored: 1.9 Projected: 0.0 Total: 1.9

Final Waste Form: Stored: 2.3 Projected: 0.0 Total: 2.3

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [LEADED RUBBER GLOVES AND APRONS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W254, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W254	Handling: CH	NMVP #: N/A	Stream Name: LEADED RUBBER GLOVES AND APRONS:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-463T	Type: MTRU	Generator Site: RF	Final Waste Form: Combustible	Waste Matrix Code: S5311

AS-GENERATED EPA CODES

F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	255.3	56.5	474.5
Other Inorganic Material:	28.8	4.8	72.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	5.4	1.2	10.1
Rubber:	266.2	58.9	494.7
Plastics:	16.3	3.6	30.3
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE

223

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.07E-05
Pu-241	2.62E+01
Pu-240	9.83E-01
Pu-239	4.33E+00
Pu-238	1.53E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	7.2	0.0	0.0	0.0	0.0	7.2	55 Gallon Drum	7.3	0.0	0.0	0.0	0.0	7.3
Totals	7.2	0.0	0.0	0.0	0.0	7.2	Totals	7.3	0.0	0.0	0.0	0.0	7.3

As-Generated Form: Stored: 7.2 Projected: 0.0 Total: 7.2

Final Waste Form: Stored: 7.3 Projected: 0.0 Total: 7.3



WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant and consists of leaded rubber gloves and aprons. A limited amount of unleaded gloves, lead bricks, and lead sheeting may also be present. Content Code 463 was replaced by Content Code 339 in 1973. Waste is packaged in standard RFP fashion. Lead linings are present on some drums.
WASTE STREAM SOURCE	<p>This record represents the [CH-Cert-repack] portion (71.25%) of the MWIR waste stream, [LEADED RUBBER GLOVES AND APRONS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W254, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W256	Handling: CH	NMVP #: N/A	Stream Name: DRY BOX GLOVES AND O-RINGS: Cert-repack	Inventory Date:
Local ID: ID-MDO-802T	Type: MTRU	Generator Site: MD	Final Waste Form: Combustible	Waste Matrix Code: S5311

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:			Isotope (Ci/m3)	
APP8, D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-240	1.50E+00
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-239	7.00E-01
	Other Metals/Alloys:	255.3	56.5	474.5	Asbestos: Unknown		Pu-238	9.84E+01
	Other Inorganic Material:	28.8	4.8	72.1	PCBs: No		Am-241	5.35E-02
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents			
	Cellulosics:	5.4	1.2	10.1				
	Rubber:	266.2	58.9	494.7				
	Plastics:	16.3	3.6	30.3				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	20.6	0.0	0.0	0.0	0.0	20.6	55 Gallon Drum	20.6	0.0	0.0	0.0	0.0	20.6
Totals	20.6	0.0	0.0	0.0	0.0	20.6	Totals	20.6	0.0	0.0	0.0	0.0	20.6

As-Generated Form: Stored: 20.6 Projected: 0.0 Total: 20.6 Final Waste Form: Stored: 20.6 Projected: 0.0 Total: 20.6

WASTE STREAM DESCRIPTION	This waste stream is generated at Mound Laboratory and consists of neoprene dry box (glovebox) gloves, neoprene O-rings, and lead-lined gloves. Limited amounts of waste from Mound Content Codes 801, 804, and 812 may be included.
WASTE STREAM SOURCE	This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [DRY BOX GLOVES AND O-RINGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W256, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W256	Handling: CH	NMVP #: N/A	Stream Name: DRY BOX GLOVES AND O-RINGS: Direct Ship	Inventory Date:
Local ID: ID-MDO-802T	Type: MTRU	Generator Site: MD	Final Waste Form: Combustible	Waste Matrix Code: S5311

**AS-GENERATED
EPA CODES**
APP8, D008

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	221.4	49.0	411.4
Other Inorganic Material:	25.0	4.2	62.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	4.7	1.0	8.8
Rubber:	230.8	51.1	428.9
Plastics:	14.1	3.1	26.3
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	150.2		
Packaging Material Plastic:	32.4		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES
Category:	Defense TRU Waste	N/A	Isotope (Ci/m3)
Residues:	No		Pu-240 1.50E+00
Asbestos:	Unknown		Pu-239 7.00E-01
			Pu-238 9.84E+01
PCBs:	No		Am-241 5.35E-02
Source:	Materials Production/Recovery Effluents		

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.1	0.0	0.0	0.0	0.0	5.1	55 Gallon Drum	4.6	0.0	0.0	0.0	0.0	4.6
Totals	5.1	0.0	0.0	0.0	0.0	5.1	SWB used to overpack 55 gallon drums	1.4	0.0	0.0	0.0	0.0	1.4
							Totals	6.0	0.0	0.0	0.0	0.0	6.0

As-Generated Form: Stored: 5.1 Projected: 0.0 Total: 5.1 Final Waste Form: Stored: 6.0 Projected: 0.0 Total: 6.0

WASTE STREAM DESCRIPTION	This waste stream is generated at Mound Laboratory and consists of neoprene dry box (glovebox) gloves, neoprene O-rings, and lead-lined gloves. Limited amounts of waste from Mound Content Codes 801, 804, and 812 may be included.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [DRY BOX GLOVES AND O-RINGS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W256, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W257	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED FUEL SLUDGE:Uncertifiable	Inventory Date:
Local ID: ID-CPP-151T	Type: MTRU	Generator Site: IN	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5400

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																		
D008	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tr> <td>Iron-base Metal/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Aluminum-base Metal/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Other Metals/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Other Inorganic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Vitrified:</td> <td>2500.0</td> <td>2500.0</td> <td>2500.0</td> </tr> <tr> <td>Cellulosics:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Rubber:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Plastics:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Solidified Inorganic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Solidified Organic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Cement (solidified):</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Soils:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Packaging Material Steel:</td> <td>131.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Plastic:</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Lead:</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Steel Plug:</td> <td>0.0</td> <td></td> <td></td> </tr> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	2500.0	2500.0	2500.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	0.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Other/Multiple Sources	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tr> <td>U-235</td> <td>4.08E-03</td> </tr> <tr> <td>Pu-242</td> <td>2.69E-05</td> </tr> <tr> <td>Pu-241</td> <td>9.95E+00</td> </tr> <tr> <td>Pu-240</td> <td>3.74E-01</td> </tr> <tr> <td>Pu-239</td> <td>1.65E+00</td> </tr> <tr> <td>Pu-238</td> <td>5.82E-02</td> </tr> </table>	Isotope (Ci/m3)		U-235	4.08E-03	Pu-242	2.69E-05	Pu-241	9.95E+00	Pu-240	3.74E-01	Pu-239	1.65E+00	Pu-238	5.82E-02
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION

This waste stream was generated at the Idaho Chemical Processing Plant at the INEL, and may include both combustibles and noncombustibles. The waste includes a solidified sludge of acid-dissolved fuel, absorbed into diatomaceous earth. Other materials in the wastes include glass containers, plastics, metal scraps, lead shielding, and lab equipment.

The waste is contained in two 30-gallon drums. At least one of the drums may be lead-lined. The sludge is contained glass bottles and sealed inside metal cans. Other materials may include glass containers, plastics, metal, scraps, lead shielding, and miscellaneous laboratory equipment. The surface dose rate is limited to 30 R/hr. The average nuclide content is around 3 grams per package (about 200,000 nCi/g).

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [SOLIDIFIED FUEL SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W257, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W257	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED FUEL SLUDGE:Direct Ship	Inventory Date:
Local ID: ID-CPP-151T	Type: MTRU	Generator Site: IN	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S5400

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																		
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Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	93-12	13-22	Totals	Container	Stored	Pre-97	98-02	93-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the Idaho Chemical Processing Plant at the INEL, and may include both combustibles and noncombustibles. The waste includes a solidified sludge of acid-dissolved fuel, absorbed into diatomaceous earth. Other materials in the wastes include glass containers, plastics, metal scraps, lead shielding, and lab equipment.</p> <p>The waste is contained in two 30-gallon drums. At least one of the drums may be lead-lined. The sludge is contained glass bottles and sealed inside metal cans. Other materials may include glass containers, plastics, metal, scraps, lead shielding, and miscellaneous laboratory equipment. The surface dose rate is limited to 30 R/hr. The average nuclide content is around 3 grams per package (about 200,000 nCi/g).</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SOLIDIFIED FUEL SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W257, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W259	Handling: CH	NMVP #: N/A	Stream Name: ALPHA HOT CELL WASTE: Direct Ship	Inventory Date:
Local ID: ID-AEO-104T	Type: TRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S5400

AS-GENERATED EPA CODES

D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	83.6	0.0	1419.7
Aluminum-base Metal/Alloys:	0.0	0.0	1.4
Other Metals/Alloys:	0.1	0.0	19.7
Other Inorganic Material:	2.1	0.0	20.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	70.3	0.0	160.5
Rubber:	6.3	0.0	14.2
Plastics:	56.4	0.0	129.4
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	150.0		
Packaging Material Plastic:	32.4		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE:	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Other/Multiple Sources		

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	6.09E-05
Pu-240	2.71E-02
Pu-239	2.45E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	8.5	0.0	0.0	0.0	0.0	8.5	55 Gallon Drum	7.7	0.0	0.0	0.0	0.0	7.7
Totals	8.5	0.0	0.0	0.0	0.0	8.5	SWB used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
							Totals	10.1	0.0	0.0	0.0	0.0	10.1

As-Generated Form: Stored: 8.5 Projected: 0.0 Total: 8.5 Final Waste Form: Stored: 10.1 Projected: 0.0 Total: 10.1

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Argonne National Laboratory-East, contains alpha hot cell waste. Noncombustible and combustible waste are segregated. Combustible wastes include paper, plastic and PVC containers, rubber O-rings and gloves, rags, and Q-tips. Noncombustible wastes include lab equipment, tools, fixtures, glassware, pipe, tubing, fitting, fasteners, firebrick, ferrous and nonferrous metal scraps and parts, and small electric motors. Sodium in the waste is reacted with ethyl alcohol, mixed with pelletized clay, and dried. Nitrates and oxidizing agents are neutralized or reduced, mixed with pelletized clay, and dried to ferrous or ferric salts.</p> <p>The average organic content is 5 lb/ft³. The combustible content of some containers exceeds 25 volume percent, including packaging. Fines are within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Surface contamination and nuclear criticality meet WIPP-WAC limits. Thermal power does not exceed 10 watts per package. Surface dose rates average 5.3 R/hr and are limited to 30 R/hr.</p> <p>The waste is packaged in 17C 30-gallon drums. Individual waste items may be loose, contained in 4-inch diameter by 10-inch high portal cans, or contained in 1-gallon paint cans. Some metal or glass wastes are compacted. Some items may be contained in 7.5-gallon steel buckets and then packaged, two buckets per package, in heat-sealed PVC bags. Since 1983, the heat-sealed bags are lined with kraft paper. These buckets of PVC-bagged waste are contained in a 30-gallon drum liner and sealed inside another 20-mil PVC bag in a 30-gallon steel drum. The maximum weight for each drum is 200 lbs, and the maximum dose rate is 30 R/hr.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (14.46%) of the MWIR waste stream, [ALPHA HOT CELL WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W259, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W259	Handling: CH	NMVP #: N/A	Stream Name: ALPHA HOT CELL WASTE:CH-Uncertifiable	Inventory Date:
Local ID: ID-AEO-104T	Type: TRU	Generator Site: AE	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5400
AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)		FINAL WASTE FORM DESCRIPTORS	TRUCON CODE
				FINAL FORM RADIONUCLIDES

0008

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

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

Isotope (Ci/m3)	
U-235	4.06E-04
Pu-240	1.80E-01
Pu-239	1.63E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Bin	14.0	0.0	0.0	0.0	0.0	14.0	55 Gallon Drum	2.5	0.0	0.0	0.0	0.0	2.5
Drum	2.3	0.0	0.0	0.0	0.0	2.3	Totals	2.5	0.0	0.0	0.0	0.0	2.5
Totals	16.3	0.0	0.0	0.0	0.0	16.3							

As-Generated Form: Stored: 16.3 Projected: 0.0 Total: 16.3

Final Waste Form: Stored: 2.5 Projected: 0.0 Total: 2.5



WASTE STREAM DESCRIPTION

This waste stream, generated at Argonne National Laboratory-East, contains alpha hot cell waste. Noncombustible and combustible waste are segregated. Combustible wastes include paper, plastic and PVC containers, rubber O-rings and gloves, rags, and Q-tips. Noncombustible wastes include lab equipment, tools, fixtures, glassware, pipe, tubing, fitting, fasteners, firebrick, ferrous and nonferrous metal scraps and parts, and small electric motors. Sodium in the waste is reacted with ethyl alcohol, mixed with pelletized clay, and dried. Nitrates and oxidizing agents are neutralized or reduced, mixed with pelletized clay, and dried to ferrous or ferric salts.

The average organic content is 5 lb/ft³. The combustible content of some containers exceeds 25 volume percent, including packaging. Fines are within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Surface contamination and nuclear criticality meet WIPP-WAC limits. Thermal power does not exceed 10 watts per package. Surface dose rates average 5.3 R/hr and are limited to 30 R/hr.

The waste is packaged in 17C 30-gallon drums. Individual waste items may be loose, contained in 4-inch diameter by 10-inch high portal cans, or contained in 1-gallon paint cans. Some metal or glass wastes are compacted. Some items may be contained in 7.5-gallon steel buckets and then packaged, two buckets per package, in heat-sealed PVC bags. Since 1983, the heat-sealed bags are lined with kraft paper. These buckets of PVC-bagged waste are contained in a 30-gallon drum liner and sealed inside another 20-mil PVC bag in a 30-gallon steel drum. The maximum weight for each drum is 200 lbs, and the maximum dose rate is 30 R/hr.

WASTE STREAM SOURCE

This record represents the [CH-Uncertifiable] portion (27.72%) of the MWIR waste stream, [ALPHA HOT CELL WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size inch vtrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W259, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W259	Handling: RH	NMVP #: N/A	Stream Name: ALPHA HOT CELL WASTE:RH-Uncertifiable	Inventory Date:
Local ID: ID-AEO-104T	Type: TRU	Generator Site: AE	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5400

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	U-235	4.61E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-240	2.05E-01
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-239	1.85E+00
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No			
	Vitrified:	2500.0	2500.0	2500.0	Source: Other/Multiple Sources			
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	526.0						
	Packaging Material Plastic:	26.0						
	Packaging Material Lead:	464.7						
	Packaging Material Steel Plug:	2145.1						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Bin	3.5	0.0	0.0	0.0	0.0	3.5	RH Canister used to overpack 55 gallon drums	7.1	0.0	0.0	0.0	0.0	7.1
Drum	30.5	0.0	0.0	0.0	0.0	30.5	Totals	7.1	0.0	0.0	0.0	0.0	7.1
Totals	34.0	0.0	0.0	0.0	0.0	34.0							

As-Generated Form: Stored: 34.0 Projected: 0.0 Total: 34.0 Final Waste Form: Stored: 7.1 Projected: 0.0 Total: 7.1

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Argonne National Laboratory-East, contains alpha hot cell waste. Noncombustible and combustible waste are segregated. Combustible wastes include paper, plastic and PVC containers, rubber O-rings and gloves, rags, and Q-tips. Noncombustible wastes include lab equipment, tools, fixtures, glassware, pipe, tubing, fitting, fasteners, firebrick, ferrous and nonferrous metal scraps and parts, and small electric motors. Sodium in the waste is reacted with ethyl alcohol, mixed with pelletized clay, and dried. Nitrates and oxidizing agents are neutralized or reduced, mixed with pelletized clay, and dried to ferrous or ferric salts.</p> <p>The average organic content is 5 lb/ft³. The combustible content of some containers exceeds 25 volume percent, including packaging. Fines are within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Surface contamination and nuclear criticality meet WIPP-WAC limits. Thermal power does not exceed 10 watts per package. Surface dose rates average 5.3 R/hr and are limited to 30 R/hr.</p> <p>The waste is packaged in 17C 30-gallon drums. Individual waste items may be loose, contained in 4-inch diameter by 10-inch high portal cans, or contained in 1-gallon paint cans. Some metal or glass wastes are compacted. Some items may be contained in 7.5-gallon steel buckets and then packaged, two buckets per package, in heat-sealed PVC bags. Since 1983, the heat-sealed bags are lined with kraft paper. These buckets of PVC-bagged waste are contained in a 30-gallon drum liner and sealed inside another 20-mil PVC bag in a 30-gallon steel drum. The maximum weight for each drum is 200 lbs, and the maximum dose rate is 30 R/hr.</p>
WASTE STREAM SOURCE	<p>This record represents the [RH-Uncertifiable] portion (57.82%) of the MWIR waste stream, [ALPHA HOT CELL WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W259, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W260	Handling: CH	NMVP #: N/A	Stream Name: SOLID BINARY SCRAP POWDER, ETC.:CH-Uncertifiable	Inventory Date:
Local ID: ID-BTO-040T	Type: MTRU	Generator Site: BT	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**

APP8, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE	N/A	FINAL FORM RADIONUCLIDES	N/A
Residues:	No				
Asbestos:	Unknown				
PCBs:	No				
Source:	Other/Multiple Sources				

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	15.1	0.0	0.0	0.0	0.0	15.1	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	15.1	0.0	0.0	0.0	0.0	15.1	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 15.1 Projected: 0.0 Total: 15.1

Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION

This waste stream, generated at Bettis Atomic Power Laboratory, contains solid binary scrap as powder, pellets, or rods. The material is made of ceramic based UO2 and ThO2. Some "kilorods" or fuel rods constructed of fuel pellets within hollow zirconium tubes are also included.

The organic content (excluding plywood spacers) is probably less than 1 lb/ft3. Combustibles, including packaging, may exceed 25 volume percent. No sludges or free liquids should be present. No explosive or pyrophoric material should be in this waste. Trace amounts of nitric acid contamination may be present.

Binary scrap powder and pellets are packaged in tin plated steel cans. The sizes of these cans are 3-1/4 inch in diameter and 7 inches high or 4-3/8 inches in diameter and 24 inches high. Each can is wrapped in plastic. Three cans are placed in each drum. Kilorods are placed in plastic lined 5-inch diameter pipes placed in either 55- or 100-gallon drums. Between 18-20 rods are placed in each 100-gallon drum and 10-11 rods are placed in each 55-gallon drum. The drums which contain kilorods have 3/4- to 1-inch thick lead shielding. Fissile content for the drums was determined by weight difference calculations, chemical analysis, assay gauge, or by individual fuel rod values.

WASTE STREAM SOURCE

This record represents the [CH-Uncertifiable] portion (40.83%) of the MWIR waste stream, [SOLID BINARY SCRAP POWDER, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W260, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W260	Handling: CH	NMVP #: N/A	Stream Name: SOLID BINARY SCRAP POWDER: RH-Direct Ship	Inventory Date:
Local ID: ID-BTO-040T	Type: MTRU	Generator Site: BT	Final Waste Form: Lead/Cadmium Metal Waste	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**
APP8, D008

	WASTE MATERIAL PARAMETERS (kg/m ³)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	212.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
Category: Defense TRU Waste	N/A	N/A
Residues: No		
Asbestos: Unknown		
PCBs: No		
Source: Other/Multiple Sources		

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
Drum	7.2	0.0	0.0	0.0	0.0	7.2	55 Gallon Drum	6.4	0.0	0.0	0.0	0.0	6.4
Totals	7.2	0.0	0.0	0.0	0.0	7.2	SWB used to overpack 55 gallon drums	1.9	0.0	0.0	0.0	0.0	1.9
							Totals	8.3	0.0	0.0	0.0	0.0	8.3

As-Generated Form: Stored: 7.2 Projected: 0.0 Total: 7.2 Final Waste Form: Stored: 8.3 Projected: 0.0 Total: 8.3

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Bettis Atomic Power Laboratory, contains solid binary scrap as powder, pellets, or rods. The material is made of ceramic based UO₂ and ThO₂. Some "kilorods" or fuel rods constructed of fuel pellets within hollow zirconium tubes are also included.</p> <p>The organic content (excluding plywood spacers) is probably less than 1 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. No sludges or free liquids should be present. No explosive or pyrophoric material should be in this waste. Trace amounts of nitric acid contamination may be present.</p> <p>Binary scrap powder and pellets are packaged in tin plated steel cans. The sizes of these cans are 3-1/4 inch in diameter and 7 inches high or 4-3/8 inches in diameter and 24 inches high. Each can is wrapped in plastic. Three cans are placed in each drum. Kilorods are placed in plastic lined 5-inch diameter pipes placed in either 55- or 100-gallon drums. Between 18-20 rods are placed in each 100-gallon drum and 10-11 rods are placed in each 55-gallon drum. The drums which contain kilorods have 3/4- to 1-inch thick lead shielding. Fissile content for the drums was determined by weight difference calculations, chemical analysis, assay gauge, or by individual fuel rod values.</p>
WASTE STREAM SOURCE	<p>This record represents the [RH-Direct Ship] portion (20%) of the MWIR waste stream, [SOLID BINARY SCRAP POWDER, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W260, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W260	Handling: RH	NMVP #: N/A	Stream Name: SOLID BINARY SCRAP POWDER, ETC.:RH-Uncertifiable	Inventory Date:
Local ID: ID-BTO-040T	Type: MTRU	Generator Site: BT	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5112

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max				
APP8, D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		
	Vitrified:	2500.0	2500.0	2500.0	Source: Other/Multiple Sources		
	Cellulosics:	0.0	0.0	0.0			
	Rubber:	0.0	0.0	0.0			
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	526.0					
	Packaging Material Plastic:	26.0					
	Packaging Material Lead:	464.7					
	Packaging Material Steel Plug:	2145.1					

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	6.1	0.0	0.0	0.0	0.0	6.1	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	6.1	0.0	0.0	0.0	0.0	6.1	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 6.1 Projected: 0.0 Total: 6.1 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Bettis Atomic Power Laboratory, contains solid binary scrap as powder, pellets, or rods. The material is made of ceramic based UO₂ and ThO₂. Some "kilorods" or fuel rods constructed of fuel pellets within hollow zirconium tubes are also included.</p> <p>The organic content (excluding plywood spacers) is probably less than 1 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. No sludges or free liquids should be present. No explosive or pyrophoric material should be in this waste. Trace amounts of nitric acid contamination may be present.</p> <p>Binary scrap powder and pellets are packaged in tin plated steel cans. The sizes of these cans are 3-1/4 inch in diameter and 7 inches high or 4-3/8 inches in diameter and 24 inches high. Each can is wrapped in plastic. Three cans are placed in each drum. Kilorods are placed in plastic lined 5-inch diameter pipes placed in either 55- or 100-gallon drums. Between 18-20 rods are placed in each 100-gallon drum and 10-11 rods are placed in each 55-gallon drum. The drums which contain kilorods have 3/4- to 1-inch thick lead shielding. Fissile content for the drums was determined by weight difference calculations, chemical analysis, assay gauge, or by individual fuel rod values.</p>
WASTE STREAM SOURCE	<p>This record represents the [RH-Uncertifiable] portion (17.14%) of the MWIR waste stream, [SOLID BINARY SCRAP POWDER, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W260, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W260	Handling: RH	NMVP #: N/A	Stream Name: SOLID BINARY SCRAP POWDER, ETC.: RH-Cert-repack	Inventory Date:
Local ID: ID-BTO-040T	Type: MTRU	Generator Site: BT	Final Waste Form: Lead/Cadmium Metal Waste	Waste Matrix Code: S5112

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																				
APP8, D008	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>526.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>26.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>464.7</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>2145.1</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	526.0			Packaging Material Plastic:	26.0			Packaging Material Lead:	464.7			Packaging Material Steel Plug:	2145.1			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Other/Multiple Sources	N/A	N/A
	Avg	Min	Max																																																																					
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Aluminum-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Other Metals/Alloys:	0.0	0.0	0.0																																																																					
Other Inorganic Material:	0.0	0.0	0.0																																																																					
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Cellulosics:	0.0	0.0	0.0																																																																					
Rubber:	0.0	0.0	0.0																																																																					
Plastics:	0.0	0.0	0.0																																																																					
Solidified Inorganic Material:	0.0	0.0	0.0																																																																					
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Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.1	0.0	0.0	0.0	0.0	2.1	RH Canister used to overpack 55 gallon drums	3.6	0.0	0.0	0.0	0.0	3.6
Totals	2.1	0.0	0.0	0.0	0.0	2.1	Totals	3.6	0.0	0.0	0.0	0.0	3.6

As-Generated Form: Stored: 2.1 Projected: 0.0 Total: 2.1 Final Waste Form: Stored: 3.6 Projected: 0.0 Total: 3.6

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Bettis Atomic Power Laboratory, contains solid binary scrap as powder, pellets, or rods. The material is made of ceramic based UO₂ and ThO₂. Some "kilorods" or fuel rods constructed of fuel pellets within hollow zirconium tubes are also included.</p> <p>The organic content (excluding plywood spacers) is probably less than 1 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. No sludges or free liquids should be present. No explosive or pyrophoric material should be in this waste. Trace amounts of nitric acid contamination may be present.</p> <p>Binary scrap powder and pellets are packaged in tin plated steel cans. The sizes of these cans are 3-1/4 inch in diameter and 7 inches high or 4-3/8 inches in diameter and 24 inches high. Each can is wrapped in plastic. Three cans are placed in each drum. Kilorods are placed in plastic lined 5-inch diameter pipes placed in either 55- or 100-gallon drums. Between 18-20 rods are placed in each 100-gallon drum and 10-11 rods are placed in each 55-gallon drum. The drums which contain kilorods have 3/4- to 1-inch thick lead shielding. Fissile content for the drums was determined by weight difference calculations, chemical analysis, assay gauge, or by individual fuel rod values.</p>
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (5.71%) of the MWIR waste stream, [SOLID BINARY SCRAP POWDER, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W260, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W260	Handling: CH	NMVP #: N/A	Stream Name: SOLID BINARY SCRAP POWDER, ETC.:CH-Cert-repack	Inventory Date:
Local ID: ID-BTO-040T	Type: MTRU	Generator Site: BT	Final Waste Form: Lead/Cadmium Metal Waste	Waste Matrix Code: S5112

AS-GENERATED
EPA CODES
 APP8, D008

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
Category: Defense TRU Waste	N/A	N/A
Residues: No		
Asbestos: Unknown		
PCBs: No		
Source: Other/Multiple Sources		

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.9	0.0	0.0	0.0	0.0	5.9	55 Gallon Drum	6.0	0.0	0.0	0.0	0.0	6.0
Totals	5.9	0.0	0.0	0.0	0.0	5.9	Totals	6.0	0.0	0.0	0.0	0.0	6.0

As-Generated Form: Stored: 5.9 Projected: 0.0 Total: 5.9 **Final Waste Form:** Stored: 6.0 Projected: 0.0 Total: 6.0

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Bettis Atomic Power Laboratory, contains solid binary scrap as powder, pellets, or rods. The material is made of ceramic based UO₂ and ThO₂. Some "kilorods" or fuel rods constructed of fuel pellets within hollow zirconium tubes are also included.</p> <p>The organic content (excluding plywood spacers) is probably less than 1 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. No sludges or free liquids should be present. No explosive or pyrophoric material should be in this waste. Trace amounts of nitric acid contamination may be present.</p> <p>Binary scrap powder and pellets are packaged in tin plated steel cans. The sizes of these cans are 3-1/4 inch in diameter and 7 inches high or 4-3/8 inches in diameter and 24 inches high. Each can is wrapped in plastic. Three cans are placed in each drum. Kilorods are placed in plastic lined 5-inch diameter pipes placed in either 55- or 100-gallon drums. Between 18-20 rods are placed in each 100-gallon drum and 10-11 rods are placed in each 55-gallon drum. The drums which contain kilorods have 3/4- to 1-inch thick lead shielding. Fissile content for the drums was determined by weight difference calculations, chemical analysis, assay gauge, or by individual fuel rod values.</p>
WASTE STREAM SOURCE	<p>This record represents the [CH-Cert-repack] portion (16.52%) of the MWIR waste stream, [SOLID BINARY SCRAP POWDER, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WiPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W260, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W263	Handling: CH	NMVP #: N/A	Stream Name: CONTAMINATED SOIL	Inventory Date:
Local ID: ID-MDO-842T	Type: MTRU	Generator Site: MD	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S4100

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
D011, D010, D009, D008, D007, D006, D002	Iron-base Metal/Alloys:	0.1	0.0	0.1	Defense TRU Waste	N/A	Pu-242	9.44E-08
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	9.87E-03
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	1.08E-04
	Other Inorganic Material:	6.4	4.6	33.9	PCBs: No		Pu-239	6.79E-02
	Vitrified:	0.0	0.0	0.0	Source: Remediation/D&D Waste		Pu-238	1.46E+00
	Cellulosics:	19.0	0.0	19.0			Pu-236	1.26E-05
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	613.0	457.4	671.5				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	38.0	0.0	0.0	0.0	0.0	38.0	55 Gallon Drum	14.4	0.0	0.0	0.0	0.0	14.4
Totals	38.0	0.0	0.0	0.0	0.0	38.0	Totals	14.4	0.0	0.0	0.0	0.0	14.4

As-Generated Form: Stored: 38.0 Projected: 0.0 Total: 38.0 Final Waste Form: Stored: 14.4 Projected: 0.0 Total: 14.4

TWBIR ID: IN-W263.520

WASTE STREAM DESCRIPTION	This waste, generated at Mound Laboratories, consists of soil, including small rocks and pebbles, generated from cleanup of a leak. All soil waste was dry when packaged. A few waste boxes also include picks, shovels, metal cans, rubber gloves, booties, respirators, plastic, and possibly an air hammer and chisel. Soils waste was packaged in small, plastic lined plywood boxes (42 x 20 x 39 inch) other waste was then placed on top of the soil before the box was sealed. Four of the small boxes were then packaged in a standard larger waste box (4 x 4 x 7 feet) lined with fiberglass-reinforced polyester. Assay was performed using radiochemical analysis on core samples taken from the contaminated area.
WASTE STREAM SOURCE	This waste stream was generated at Plutonium Processing - Waste Disposal Area: Plutonium Processing.. The generating process is: Cleanup of a leak.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W265	Handling: CH	NMVP #: 121	Stream Name: BLACKTOP, CONCRETE, DIRT, AND SAND:Direct Ship	Inventory Date:
Local ID: ID-RFO-374T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Mig	Max	Category:		Isotope (Ci/m3)	
APPB, F004, F003, F002, F001	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	121	U-235	4.98E-07
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-242	1.67E-05
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-241	6.19E+00
	Other Inorganic Material:	387.3	7.5	1249.7	PCBs: No		Pu-240	2.33E-01
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources		Pu-239	1.02E+00
	Cellulosics:	0.0	0.0	10.4			Pu-238	3.62E-02
	Rubber:	0.0	0.0	0.0			Am-241	9.64E-03
	Plastics:	20.8	10.4	20.8				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	42.5	8.3	124.9				
	Packaging Material Steel:	150.3						
	Packaging Material Plastic:	32.3						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	6.8	0.0	0.0	0.0	0.0	6.8	55 Gallon Drum	6.0	0.0	0.0	0.0	0.0	6.0
Totals	6.8	0.0	0.0	0.0	0.0	6.8	SWB used to overpack 55 gallon drums	1.9	0.0	0.0	0.0	0.0	1.9
							Totals	7.9	0.0	0.0	0.0	0.0	7.9

As-Generated Form: Stored: Projected: Total: Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION	This waste contains blacktop, concrete, reinforced concrete, cinderblocks, bricks, dirt, and sand. Limited amounts of waste may be damp. A limited amount may contain combustibles such as coveralls and gloves. The waste is generated from cleanup of spills and leaks, process changes, maintenance, and O&D operations. Portland cement is added to containers that contain wet or damp waste. Waste is packaged in standard RFP fashion in drums and boxes. Sometimes the waste is bagged before being placed in the containers.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (12.84%) of the MWIR waste stream, [BLACKTOP, CONCRETE, DIRT, AND SAND] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W265, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W265	Handling: CH	NMVP #: N/A	Stream Name: BLACKTOP, CONCRETE, DIRT, AND SAND:Uncertifiable	Inventory Date:
Local ID: ID-RFO-374T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5420

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
APP8, F004, F003, F002, F001

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE: N/A

Isotope (Ci/m3)	
U-235	4.98E-05
Pu-242	1.87E-03
Pu-241	6.19E+02
Pu-240	2.33E+01
Pu-239	1.02E+02
Pu-238	3.62E+00
Am-241	9.64E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	99-02	03-12	13-22	Totals
Box	19.0	0.0	0.0	0.0	0.0	19.0
Drum	27.3	0.0	0.0	0.0	0.0	27.3
Totals	46.4	0.0	0.0	0.0	0.0	46.4

Container	Final Waste Form Volumes					
	Stored	Pre-97	99-02	03-12	13-22	Totals
55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6

As-Generated Form: Stored: 46.4 Projected: 0.0 Total: 46.4

Final Waste Form: Stored: 0.6 Projected: 0.0 Total: 0.6

WASTE STREAM DESCRIPTION	This waste contains blacktop, concrete, reinforced concrete, cinderblocks, bricks, dirt, and sand. Limited amounts of waste may be damp. A limited amount may contain combustibles such as coveralls and gloves. The waste is generated from cleanup of spills and leaks, process changes, maintenance, and D&D operations. Portland cement is added to containers that contain wet or damp waste. Waste is packaged in standard RFP fashion in drums and boxes. Sometimes the waste is bagged before being placed in the containers.
WASTE STREAM SOURCE	This record represents the [Uncertifiable] portion (87.16%) of the MWIR waste stream, [BLACKTOP, CONCRETE, DIRT, AND SAND] after processing. The proposed processing sequence is [SWEPP:segpk IWVPF:segpk size incln vtrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W265, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W267	Handling: CH	NMVP #: N/A	Stream Name: GRIT:Direct Ship	Inventory Date:
Local ID: ID-RFO-372TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3112

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
APP8	Iron-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		Pu-242 7.02E-04
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		Pu-241 2.60E+02
	Other Metals/Alloys: 0.0 0.0 0.0	PCBs: No		Pu-240 9.76E+00
	Other Inorganic Material: 0.0 0.0 0.0	Source: Materials Production/Recovery Effluents		Pu-239 4.30E+01
	Vitrified: 0.0 0.0 0.0			Pu-238 1.52E+00
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 165.9			
	Packaging Material Plastic: 0.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.1	0.0	0.0	0.0	0.0	1.1

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6 Final Waste Form: Stored: 1.1 Projected: 0.0 Total: 1.1

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, consists of grit such as aluminum oxide and iron fines and pellets used in grit-blasting operations and spent silica gel desiccant.</p> <p>The only organic material is the packaging, which averages about 5 lb/ft³, excluding the drum liner. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>The material is contained in 55-gallon drums. Inside the drums, the grit may be contained in PVC or PE bags in Vollrath stainless steel cans, or in 1-gallon PE bottles inside PVC and PE bags. Silica gel is placed directly into the prepared drums. Drums were prepared and inspected according to pre- and post-1972 procedures.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [GRIT] after processing. The proposed processing sequence is {SWEPP:segpk TRANS:trans WIPP:disp}. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W267, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W267	Handling: CH	NMVP #: N/A	Stream Name: GRIT:Uncertifiable	Inventory Date:
Local ID: ID-RFO-372TN	Type: TRU	Generator SKE: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3112

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

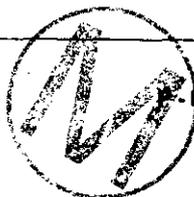
FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.40E-03
Pu-241	5.19E+02
Pu-240	1.95E+01
Pu-239	8.60E+01
Pu-238	3.04E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.3	0.0	0.0	0.0	0.0	2.3	55 Gallon Drum	1.2	0.0	0.0	0.0	0.0	1.2
Totals	2.3	0.0	0.0	0.0	0.0	2.3	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 2.3 Projected: 0.0 Total: 2.3 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, consists of grit such as aluminum oxide and iron fines and pellets used in grit-blasting operations and spent silica gel desiccant.</p> <p>The only organic material is the packaging, which averages about 5 lb/ft³, excluding the drum liner. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>The material is contained in 55-gallon drums. Inside the drums, the grit may be contained in PVC or PE bags in Vollrath stainless steel cans, or in 1-gallon PE bottles inside PVC and PE bags. Silica gel is placed directly into the prepared drums. Drums were prepared and inspected according to pre- and post-1972 procedures.</p>
WASTE STREAM SOURCE	<p>This record represents the {Uncertifiable} portion (80%) of the MWIR waste stream, {GRIT} after processing. The proposed processing sequence is {SWEPP:segpk WPF:segpk size incin vitrf TRANS:trans WIPP:disp}. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W267, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W269	Handling: CH	NMVP #: N/A	Stream Name: LABORATORY WASTE:Direct Ship	Inventory Date:
Local ID: ID-INL-150T	Type: MTRU	Generator Site: IN	Final Waste Form: Combustible	Waste Matrix Code: S5440

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																						
D008, D002	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>150.2</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	150.2			Packaging Material Plastic:	0.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: R&D/R&D Laboratory Waste	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>U-238</td><td>6.25E-05</td></tr> <tr><td>U-235</td><td>1.02E-02</td></tr> <tr><td>Pu-242</td><td>2.07E-05</td></tr> <tr><td>Pu-241</td><td>2.23E-01</td></tr> <tr><td>Pu-240</td><td>6.07E+00</td></tr> <tr><td>Pu-239</td><td>5.86E+01</td></tr> <tr><td>Pu-238</td><td>6.67E+00</td></tr> <tr><td>Am-241</td><td>5.71E+00</td></tr> </tbody> </table>	Isotope (Ci/m3)		U-238	6.25E-05	U-235	1.02E-02	Pu-242	2.07E-05	Pu-241	2.23E-01	Pu-240	6.07E+00	Pu-239	5.86E+01	Pu-238	6.67E+00	Am-241	5.71E+00
	Avg	Min	Max																																																																																							
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																																							
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Vitrified:	0.0	0.0	0.0																																																																																							
Cellulosics:	0.0	0.0	0.0																																																																																							
Rubber:	0.0	0.0	0.0																																																																																							
Plastics:	0.0	0.0	0.0																																																																																							
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.1	0.0	0.0	0.0	0.0	5.1	55 Gallon Drum	4.6	0.0	0.0	0.0	0.0	4.6
Totals	5.1	0.0	0.0	0.0	0.0	5.1	SWB used to overpack 55 gallon drums	1.4	0.0	0.0	0.0	0.0	1.4
							Totals	6.0	0.0	0.0	0.0	0.0	6.0

As-Generated Form: Stored: 5.1 Projected: 0.0 Total: 5.1 Final Waste Form: Stored: 6.0 Projected: 0.0 Total: 6.0

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Idaho National Engineering Laboratory, contains laboratory waste form ANL-W including fluxwire, fission counters, HEDL samples, analytical samples dissolved and absorbed on Oil-Dri, glassware, vials, miscellaneous waste from gloveboxes, dissolved pellets absorbed on Oil-Dri, enriched and normal U308 pellets, aluminum foil and capsules, TREAT waste capsules, chlorinated ion exchange resins, Pu sources, and irradiated Ge caps. Lab waste from ICPP includes kimwipes, trash, glassware, dissolved samples absorbed in Oil-Dri, analytical samples, gloves, etc.</p> <p>The organic content is usually less than 14 lb/ft³. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. Absorbents were added if moisture was detected in any wastes. No explosive or pyrophoric materials should be in this waste.</p> <p>Depending on when the wastes were packaged, the individual waste items may be contained in plastic, metal, or glass containers. Some of the containers are 2R containers. The containers are placed inside 55-gallon drums lined with two plastic liners. Some of the containers are wrapped in plastic, and others are placed directly into the drums. Oil-Dri absorbent is added if moisture is present.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [LABORATORY WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W269, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	<p>N/A</p>
EPA COMMENTS	<p>The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.</p>
MANAGEMENT COMMENTS	<p>Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.</p>
ACCEPTANCE COMMENTS	<p>N/A</p>
FINAL FORM COMMENTS	<p>All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.</p>

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W269	Handling: CH	NMVP #: N/A	Stream Name: LABORATORY WASTE: Cert-repack	Inventory Date:
Local ID: ID-INL-150T	Type: MTRU	Generator Site: IN	Final Waste Form: Combustible	Waste Matrix Code: S5440

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Mig	Max	Category:		Isotope (Ci/m3)	
D008, D002	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	U-238	6.25E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		U-235	1.02E-02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-242	2.07E-05
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-241	2.23E-01
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste		Pu-240	6.07E+00
	Cellulosics:	0.0	0.0	0.0			Pu-239	5.86E+01
	Rubber:	0.0	0.0	0.0			Pu-238	6.67E+00
	Plastics:	0.0	0.0	0.0			Am-241	5.71E+00
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	17.0	0.0	0.0	0.0	0.0	17.0	55 Gallon Drum	20.8	0.0	0.0	0.0	0.0	20.8
RH Insert	3.8	0.0	0.0	0.0	0.0	3.8	Totals	20.8	0.0	0.0	0.0	0.0	20.8
Totals	20.8	0.0	0.0	0.0	0.0	20.8							

As-Generated Form: Stored: 20.8 Projected: 0.0 Total: 20.8 Final Waste Form: Stored: 20.8 Projected: 0.0 Total: 20.8

WASTE STREAM DESCRIPTION	This waste stream, generated at Idaho National Engineering Laboratory, contains laboratory waste form ANL-W including fluxwire, fission counters, HEDL samples, analytical samples dissolved and absorbed on Oil-Dri, glassware, vials, miscellaneous waste from gloveboxes, dissolved pellets absorbed on Oil-Dri, enriched and normal U3O8 pellets, aluminum foil and capsules, TREAT waste capsules, chlorinated ion exchange resins, Pu sources, and irradiated Ge caps. Lab waste from ICPP includes kimwipes, trash, glassware, dissolved samples absorbed in Oil-Dri, analytical samples, gloves, etc.
	The organic content is usually less than 14 lb/ft3. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. Absorbents were added if moisture was detected in any wastes. No explosive or pyrophoric materials should be in this waste.
	Depending on when the wastes were packaged, the individual waste items may be contained in plastic, metal, or glass containers. Some of the containers are 2R containers. The containers are placed inside 55-gallon drums lined with two plastic liners. Some of the containers are wrapped in plastic, and others are placed directly into the drums. Oil-Dri absorbent is added if moisture is present.
WASTE STREAM SOURCE	This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [LABORATORY WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W269, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.
	This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W271	Handling: CH	NMVP #: N/A	Stream Name: CONTAMINATED MERCURY OR GRAPHITE CRUCIBL:Direct Ship	Inventory Date:
Local ID: ID-MDO-814T	Type: MTRU	Generator Site: MD	Final Waste Form: Graphite	Waste Matrix Code: S3110

**AS-GENERATED
EPA CODES**

D009

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	291.9	1.5	536.8
Aluminum-base Metal/Alloys:	12.3	12.3	26.8
Other Metals/Alloys:	6.5	6.5	32.7
Other Inorganic Material:	22.3	0.0	570.6
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	3.4	0.0	3.4
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	174.1		
Packaging Material Plastic:	26.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-240	3.75E+01
Pu-239	1.62E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at Mound Laboratory. The waste consists of graphite crucibles and electrodes. Cartons of mercury may be included in some waste drums, but they should be easily removeable and are not included in the waste constituents. The Waste matrix composition listed is taken from Item description code (IDC) 300, a similar waste type.</p> <p>Organic content should be less than 14 lb/ft³. The waste is noncombustible, but if pulverized and well mixed it will burn. Fines should not exceed WIPP-WAC limits. No sludges or free liquids should be present. The Oil-Dri should meet WIPP Immobilization standards. No explosive or pyrophoric materials should be in this waste.</p> <p>The material is contained in 55-gallon drums. Inside the drums, graphite waste is packaged in 1-gallon plastic coated cardboard cartons and/or 1/2-gallon metal cans, contained inside plastic bags. Each metal can may be sealed inside another roll-seam can. The drums are lined with 90-mil drum liners.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (99.9%) of the MWIR waste stream, [CONTAMINATED MERCURY OR GRAPHITE CRUCIBL] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W271, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste expected to be non-mixed after cartons of liquid mercury are removed.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W271	Handling: CH	NMVP #: N/A	Stream Name: CONTAMINATED MERCURY OR GRAPHITE CRUCIBL:Mercury	Inventory Date:
Local ID: ID-MDO-814T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3110

AS-GENERATED EPA CODES

D009

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-240	1.25E+01
Pu-239	5.41E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at Mound Laboratory. The waste consists of graphite crucibles and electrodes. Cartons of mercury may be included in some waste drums, but they should be easily removeable and are not included in the waste constituents. The Waste matrix composition listed is taken from Item description code (IDC) 300, a similar waste type.</p> <p>Organic content should be less than 14 lb/ft³. The waste is noncombustible, but if pulverized and well mixed it will burn. Fines should not exceed WIPP-WAC limits. No sludges or free liquids should be present. The Oil-Dri should meet WIPP Immobilization standards. No explosive or pyrophoric materials should be in this waste.</p> <p>The material is contained in 55-gallon drums. Inside the drums, graphite waste is packaged in 1-gallon plastic coated cardboard cartons and/or 1/2-gallon metal cans, contained inside plastic bags. Each metal can may be sealed inside another roll-seam can. The drums are lined with 90-mil drum liners.</p>
WASTE STREAM SOURCE	<p>This record represents the (Mercury) portion (.1%) of the MWIR waste stream, [CONTAMINATED MERCURY OR GRAPHITE CRUCIBL] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W271, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	<p>The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste expected to be non-mixed after cartons of liquid mercury are removed.</p>
MANAGEMENT COMMENTS	<p>Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.</p>
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	<p>All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.</p>

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W272	Handling: CH	NMVP #: N/A	Stream Name: COARSE GRAPHITE:Direct Ship	Inventory Date:
Local ID: ID-RFO-312T	Type: MTRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5126

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																
APP8, F002, F001	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>131.3</td><td>113.8</td><td>148.2</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>29.4</td><td>22.6</td><td>36.1</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>174.1</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>26.6</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	131.3	113.8	148.2	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	29.4	22.6	36.1	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	174.1			Packaging Material Plastic:	26.6			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Materials Production/Recovery Effluents	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>Pu-242</td><td>3.89E-04</td></tr> <tr><td>Pu-241</td><td>1.44E+02</td></tr> <tr><td>Pu-240</td><td>5.42E+00</td></tr> <tr><td>Pu-239</td><td>2.39E+01</td></tr> <tr><td>Pu-238</td><td>8.43E-01</td></tr> </tbody> </table>	Isotope (Ci/m3)		Pu-242	3.89E-04	Pu-241	1.44E+02	Pu-240	5.42E+00	Pu-239	2.39E+01	Pu-238	8.43E-01
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Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	After the casting of plutonium in production foundry operations, Item Description Code (IDC 300) was mechanically cleaned, generating IDC 310, graphite scarlings, and IDC 312, coarse graphite. This waste stream represents the coarse graphite portion that was generated.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [COARSE GRAPHITE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W272, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W272	Handling: CH	NMVP #: N/A	Stream Name: COARSE GRAPHITE: Cert-repack	Inventory Date:
Local ID: ID-RFO-312T	Type: MTRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5126

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:			Isotope (Ci/m3)	
APP8, F002, F001	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	3.89E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	1.44E+02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	5.42E+00
	Other Inorganic Material:	187.0	162.0	211.0	PCBs: No		Pu-239	2.39E+01
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		Pu-238	8.43E-01
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	41.8	32.2	51.4				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.5	0.0	0.0	0.0	0.0	1.5	55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7
Totals	1.5	0.0	0.0	0.0	0.0	1.5	Totals	1.7	0.0	0.0	0.0	0.0	1.7

As-Generated Form: Stored: 1.5 Projected: 0.0 Total: 1.5 Final Waste Form: Stored: 1.7 Projected: 0.0 Total: 1.7



Appendix P

DOE/CAO-95-1121

TWBIR ID: IN-W272.974

WASTE STREAM DESCRIPTION	After the casting of plutonium in production foundry operations, Item Description Code (IDC 300) was mechanically cleaned, generating IDC 310, graphite scarfings, and IDC 312, coarse graphite. This waste stream represents the coarse graphite portion that was generated.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [COARSE GRAPHITE] after processing. The proposed processing sequence is [SWEPP:segpk [WPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W272, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W275	Handling: CH	NMVP #: N/A	Stream Name: GRAPHITE CORES:Direct Ship	Inventory Date:
Local ID: ID-RFO-301T	Type: MTRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5126

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:		Isotope (Ci/m3)	
FO01	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242 7.65E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241 2.83E+01
	Other Metals/Alloys:	0.2	0.2	0.2	Asbestos: Unknown		Pu-240 1.06E+00
	Other Inorganic Material:	267.2	267.2	267.2	PCBs: No		Pu-239 4.69E+00
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		Pu-238 1.66E-01
	Cellulosics:	6.9	6.9	6.9			Am-241 5.41E-02
	Rubber:	0.0	0.0	0.0			
	Plastics:	10.7	10.7	10.7			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	153.2					
	Packaging Material Plastic:	31.6					
	Packaging Material Lead:	0.0					
	Packaging Material Steel Plug:	0.0					

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3	55 Gallon Drum	1.2	0.0	0.0	0.0	0.0	1.2
Totals	1.3	0.0	0.0	0.0	0.0	1.3	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.7	0.0	0.0	0.0	0.0	1.7

As-Generated Form: Stored: 1.3 Projected: 0.0 Total: 1.3 Final Waste Form: Stored: 1.7 Projected: 0.0 Total: 1.7

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, is similar to graphite molds, Content Code 300. A graphite core is part of the shaped graphite mold used to cast plutonium metal. Some graphite molds are also included in this content code. This content code has not been used since 1977. The graphite has been broken into pieces, and some of the graphite has been scarfed or wire brushed to remove any above-discard deposits of plutonium.</p> <p>The graphite cores are almost pure carbon and should be inert in storage. The waste is noncombustible, but if pulverized and well mixed it will burn. Fines are not packaged with the waste. Although breakage and fines may result after packaging, levels of fines, should not exceed WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.</p> <p>Graphite core pieces may be packed directly into prepared 55-gallon drums or else first packed inside Fibre-Paks. The Fibre-Paks are 13 inches high by 15.5 inches in diameter. Sealed Fibre-Paks are sealed inside single (PVC) or double (PVC and PE) bags. Two Fibre-Paks are placed in each prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures. Oil-Dri was placed on top of the outer sealed PE drum bag.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [GRAPHITE CORES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W275, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W275	Handling: CH	NMVP #: N/A	Stream Name: GRAPHITE CORES: Cert-repack	Inventory Date:
Local ID: ID-RFO-301T	Type: MTRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5126

**AS-GENERATED
EPA CODES**

F001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.3	0.3	0.3
Other Inorganic Material:	316.0	316.0	316.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	8.2	8.2	8.2
Rubber:	0.0	0.0	0.0
Plastics:	12.6	12.6	12.6
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.85E-05
Pu-241	2.83E+01
Pu-240	1.06E+00
Pu-239	4.69E+00
Pu-238	1.66E-01
Am-241	5.41E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.1	0.0	0.0	0.0	0.0	5.1	55 Gallon Drum	5.2	0.0	0.0	0.0	0.0	5.2
Totals	5.1	0.0	0.0	0.0	0.0	5.1	Totals	5.2	0.0	0.0	0.0	0.0	5.2

As-Generated Form: Stored: 5.1 Projected: 0.0 Total: 5.1

Final Waste Form: Stored: 5.2 Projected: 0.0 Total: 5.2

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, is similar to graphite molds, Content Code 300. A graphite core is part of the shaped graphite mold used to cast plutonium metal. Some graphite molds are also included in this content code. This content code has not been used since 1977. The graphite has been broken into pieces, and some of the graphite has been scarfed or wire brushed to remove any above-discard deposits of plutonium.</p> <p>The graphite cores are almost pure carbon and should be inert in storage. The waste is noncombustible, but if pulverized and well mixed it will burn. Fines are not packaged with the waste. Although breakage and fines may result after packaging, levels of fines, should not exceed WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.</p> <p>Graphite core pieces may be packed directly into prepared 55-gallon drums or else first packed inside Fibre-Paks. The Fibre-Paks are 13 inches high by 15.5 inches in diameter. Sealed Fibre-Paks are sealed inside single (PVC) or double (PVC and PE) bags. Two Fibre-Paks are placed in each prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures. Oil-Dri was placed on top of the outer sealed PE drum bag.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cart-repack] portion (80%) of the MWIR waste stream, [GRAPHITE CORES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W275, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W276	Handling: CH	NMVP #: 115	Stream Name: GRAPHITE:Direct Ship	Inventory Date:
Local ID: ID-RFO-300T	Type: MTRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5126

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D028, D022
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	270.4	137.4	415.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	5.9	0.0	8.7
Rubber:	0.0	0.0	0.0
Plastics:	6.6	2.9	9.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

115, 215

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.25E-05
Pu-241	2.31E+01
Pu-240	8.70E-01
Pu-239	3.83E+00
Pu-238	1.35E-01
Am-241	1.45E-01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	78.4	0.0	0.0	0.0	0.0	78.4
Totals	78.4	0.0	0.0	0.0	0.0	78.4

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	69.3	0.0	0.0	0.0	0.0	69.3
SWB used to overpack 55 gallon drums	17.5	0.0	0.0	0.0	0.0	17.5
Totals	86.7	0.0	0.0	0.0	0.0	86.7

As-Generated Form: Stored: 78.4 Projected: 0.0 Total: 78.4

Final Waste Form: Stored: 86.7 Projected: 0.0 Total: 86.7

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, consists of graphite molds used in casting plutonium metal. The waste may also include small amounts of surgical gloves. The graphite is in the form of broken mold pieces. Some of the graphite has been scarfed or wire-brushed to remove above-discard deposits of plutonium.</p> <p>The graphite molds are almost pure carbon and should be inert in storage. The waste is noncombustible, but if pulverized and well mixed it will burn. Fines are not packaged with the waste. Although breakage and fines may result after packaging, levels of fines should not exceed WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.</p> <p>Graphite pieces may be packed directly into prepared 55-gallon drums or else first packed inside Fibre-Paks. The Fibre-Paks are 13 inches high by 15.5 inches in diameter. Sealed Fibre-Paks are sealed inside single (PVC) or double (PVC and PE) bags. Two Fibre-Paks are placed in each prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [GRAPHITE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W276, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W276	Handling: CH	NMVP #: 115	Stream Name: GRAPHITE: Cert-repack	Inventory Date:
Local ID: ID-RFO-300T	Type: MTRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5128

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D028, D022

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	305.0	155.0	468.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	6.7	0.0	9.8
Rubber:	0.0	0.0	0.0
Plastics:	7.4	3.3	10.9
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

115, 215

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.25E-05
Pu-241	2.31E+01
Pu-240	8.70E-01
Pu-239	3.83E+00
Pu-238	1.35E-01
Am-241	1.45E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	313.3	0.0	0.0	0.0	0.0	313.3	55 Gallon Drum	313.5	0.0	0.0	0.0	0.0	313.5
Totals	313.3	0.0	0.0	0.0	0.0	313.3	Totals	313.5	0.0	0.0	0.0	0.0	313.5

As-Generated Form: Stored: 313.3 Projected: 0.0 Total: 313.3

Final Waste Form: Stored: 313.5 Projected: 0.0 Total: 313.5

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of graphite molds used in casting plutonium metal. The waste may also include small amounts of surgical gloves. The graphite is in the form of broken mold pieces. Some of the graphite has been scarfed or wire-brushed to remove above-discard deposits of plutonium.

The graphite molds are almost pure carbon and should be inert in storage. The waste is noncombustible, but if pulverized and well mixed it will burn. Fines are not packaged with the waste. Although breakage and fines may result after packaging, levels of fines should not exceed WIPP-WAC limits. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.

Graphite pieces may be packed directly into prepared 55-gallon drums or else first packed inside Fibre-Paks. The Fibre-Paks are 13 inches high by 15.5 inches in diameter. Sealed Fibre-Paks are sealed inside single (PVC) or double (PVC and PE) bags. Two Fibre-Paks are placed in each prepared 55-gallon drum. Drums were packed according to the usual pre-1972 and post-1972 procedures. Each drum was assayed. Since 1972, the drums were also processed according to inspection and sealing procedures; and, since 1982, vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [GRAPHITE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W276, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TWBIR ID: IN-W278.1090

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W278	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.:Direct Ship	Inventory Date:
Local ID: ID-RFO-950T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5100

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:			Isotope (Ci/m3)	
D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	3.15E-06
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	1.17E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	4.38E-02
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	1.93E-01
	Vitrified:	0.0	0.0	0.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-238	6.81E-03
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	174.1						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Rocky Flats Plant, contains primarily nonline generated noncombustible waste from maintenance and renovation. Items in this waste include electrical conduit, water and steam pipes, tools, control panels, electronic instrumentation, light bulbs, windows, office equipment (typewriters, chairs, desks, filing cabinets, etc.), lead shielding, and structural metal. Limited amounts of combustible wastes such as paper, rags, etc. are also included.</p> <p>Most of this waste is contaminated with less than 100 ncl/g TRU. The organic content is less than 14 lb/ft³ for drums and less than 6 lb/ft³ for boxes. Fines should not be present in excessive amounts. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>This waste stream is packaged in drums and in boxes. Depending on size and contamination levels of individual items, the waste is single or double contained in plastics or placed directly into prepared waste drums or boxes. Drums and boxes were prepared according to standard pre and post-1972 procedures. Oil-Dri absorbent is added to many of the containers. Each drum is assayed. Boxes are surveyed for the calculation of fissile contents.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (1.82%) of the MWIR waste stream, [LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W278, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W278	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.:Uncertifiable	Inventory Date:
Local ID: ID-RFO-950T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5100

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
D008	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	1.05E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	3.88E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	1.46E-01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	6.43E-01
	Vitrified:	2500.0	2500.0	2500.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-238	2.27E-02
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	12.7	0.0	0.0	0.0	0.0	12.7	55 Gallon Drum	4.2	0.0	0.0	0.0	0.0	4.2
Drum	1.1	0.0	0.0	0.0	0.0	1.1	Totals	4.2	0.0	0.0	0.0	0.0	4.2
Totals	13.7	0.0	0.0	0.0	0.0	13.7							

As-Generated Form: Stored: 13.7 Projected: 0.0 Total: 13.7 Final Waste Form: Stored: 4.2 Projected: 0.0 Total: 4.2

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Rocky Flats Plant, contains primarily nonline generated noncombustible waste from maintenance and renovation. Items in this waste include electrical conduit, water and steam pipes, tools, control panels, electronic instrumentation, light bulbs, windows, office equipment (typewriters, chairs, desks, filing cabinets, etc.), lead shielding, and structural metal. Limited amounts of combustible wastes such as paper, rags, etc. are also included.</p> <p>Most of this waste is contaminated with less than 100 nci/g TRU. The organic content is less than 14 lb/ft³ for drums and less than 6 lb/ft³ for boxes. Fines should not be present in excessive amounts. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>This waste stream is packaged in drums and in boxes. Depending on size and contamination levels of individual items, the waste is single or double contained in plastics or placed directly into prepared waste drums or boxes. Drums and boxes were prepared according to standard pre and post-1972 procedures. Oil-Dri absorbent is added to many of the containers. Each drum is assayed. Boxes are surveyed for the calculation of fissile contents.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (98.18%) of the MWIR waste stream, [LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W278, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W280	Handling: CH	NMVP #: N/A	Stream Name: METAL, EQUIPMENT, PIPES, VALVES, ETC.: Cert-repack	Inventory Date:
Local ID: ID-MDO-803T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m ³)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																				
APPB, D009	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>415.6</td><td>2.2</td><td>764.4</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>17.5</td><td>17.5</td><td>38.2</td></tr> <tr><td>Other Metals/Alloys:</td><td>9.2</td><td>9.2</td><td>48.6</td></tr> <tr><td>Other inorganic Material:</td><td>31.7</td><td>0.0</td><td>812.5</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>4.8</td><td>0.0</td><td>4.8</td></tr> <tr><td>Solidified inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>37.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	415.6	2.2	764.4	Aluminum-base Metal/Alloys:	17.5	17.5	38.2	Other Metals/Alloys:	9.2	9.2	48.6	Other inorganic Material:	31.7	0.0	812.5	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	4.8	0.0	4.8	Solidified inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	37.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Remediation/D&D Waste	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m³)</th> <th></th> </tr> </thead> <tbody> <tr><td>Pu-242</td><td>6.97E-06</td></tr> <tr><td>Pu-241</td><td>7.29E-01</td></tr> <tr><td>Pu-240</td><td>8.00E-03</td></tr> <tr><td>Pu-239</td><td>4.51E+00</td></tr> <tr><td>Pu-238</td><td>6.75E+02</td></tr> <tr><td>Pu-236</td><td>9.34E-04</td></tr> <tr><td>Am-241</td><td>8.19E-03</td></tr> </tbody> </table>	Isotope (Ci/m ³)		Pu-242	6.97E-06	Pu-241	7.29E-01	Pu-240	8.00E-03	Pu-239	4.51E+00	Pu-238	6.75E+02	Pu-236	9.34E-04	Am-241	8.19E-03
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	28.2	0.0	0.0	0.0	0.0	28.2	55 Gallon Drum	28.5	0.0	0.0	0.0	0.0	28.5
Totals	28.2	0.0	0.0	0.0	0.0	28.2	Totals	28.5	0.0	0.0	0.0	0.0	28.5

As-Generated Form: Stored: 28.2 Projected: 0.0 Total: 28.2 Final Waste Form: Stored: 28.5 Projected: 0.0 Total: 28.5



WASTE STREAM DESCRIPTION	<p>This waste comes from Mound Laboratory and consists of stainless steel, carbon steel, and small amounts of aluminum-metal wastes in the form of valves, piping, wrenches, nuts, bolts, stainless steel tubing, spatulas, pans, hotplates, ringstands, etc. Limited amounts of combustible and noncombustible wastes are also present from Content Codes 810, 811, 812, 813, 814, 826, and 832. Content Code 832 is liquid mercury. Content Code 812 is spent ion-exchange resin.</p> <p>Most of the waste is metal waste that is primarily from D&D operations. Some of the metals were leached with nitric acid, ultrasonically cleaned, and dried to remove above-discard amounts of plutonium.</p> <p>Waste is packaged in 1-gallon, plastic coated cardboard cartons which are in turn placed in two layers of PE bags and then put into a 55-gallon drum. Some large metal waste is taped on the rough edges and sealed in two layers of plastic and then placed into a 55-gallon drum. Drums have drum rigid liners and a drum bag. Each carton is individually assayed. Contaminated elemental mercury from Content Code 832 must be segregated.</p> <p>The specific locations, by drum, of waste cartons from Content Code 832, mercury, are known. Therefore, the waste drums containing mercury will be easily identified and the mercury will be removed.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (79.98%) of the MWIR waste stream, [METAL, EQUIPMENT, PIPES, VALVES, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W280, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste stream is anticipated to be non-mixed after containers of mercury are removed.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W280	Handling: CH	NMVP #: N/A	Stream Name: METAL, EQUIPMENT, PIPES, VALVES, ETC.: Direct Ship	Inventory Date:
Local ID: ID-MDO-803T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
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APP8, D009

	Avg	Min	Max
Iron-base Metal/Alloys:	362.6	1.9	667.0
Aluminum-base Metal/Alloys:	15.3	15.3	33.3
Other Metals/Alloys:	8.0	8.0	40.7
Other Inorganic Material:	27.7	0.0	709.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	4.2	0.0	4.2
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	149.4		
Packaging Material Plastic:	32.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

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

Isotope (Ci/m3)	
Pu-242	6.97E-06
Pu-241	7.29E-01
Pu-240	8.00E-03
Pu-239	4.51E+00
Pu-238	6.75E+02
Pu-236	9.34E-04
Am-241	9.19E-03

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	7.0	0.0	0.0	0.0	0.0	7.0	55 Gallon Drum	8.4	0.0	0.0	0.0	0.0	8.4
Totals	7.0	0.0	0.0	0.0	0.0	7.0	SWB used to overpack 55 gallon drums	1.9	0.0	0.0	0.0	0.0	1.9
							Totals	8.3	0.0	0.0	0.0	0.0	8.3

As-Generated Form: Stored: Projected: Total: Final Waste Form: Stored: Projected: Total:

WASTE STREAM DESCRIPTION	<p>This waste comes from Mound Laboratory and consists of stainless steel, carbon steel, and small amounts of aluminum-metal wastes in the form of valves, piping, wrenches, nuts, bolts, stainless steel tubing, spatulas, pans, hotplates, ringstands, etc. Limited amounts of combustible and noncombustible wastes are also present from Content Codes 810, 811, 812, 813, 814, 826, and 832. Content Code 832 is liquid mercury. Content Code 812 is spent ion-exchange resin.</p> <p>Most of the waste is metal waste that is primarily from D&D operations. Some of the metals were leached with nitric acid, ultrasonically cleaned, and dried to remove above-discard amounts of plutonium.</p> <p>Waste is packaged in 1-gallon, plastic coated cardboard cartons which are in turn placed in two layers of PE bags and then put into a 55-gallon drum. Some large metal waste is taped on the rough edges and sealed in two layers of plastic and then placed into a 55-gallon drum. Drums have drum rigid liners and a drum bag. Each carton is individually assayed. Contaminated elemental mercury from Content Code 832 must be segregated.</p> <p>The specific locations, by drum, of waste cartons from Content Code 832, mercury, are known. Therefore, the waste drums containing mercury will be easily identified and the mercury will be removed.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [METAL, EQUIPMENT, PIPES, VALVES, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W280, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste stream is anticipated to be non-mixed after containers of mercury are removed.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W280	Handling: CH	NMVP #: N/A	Stream Name: METAL, EQUIPMENT, PIPES, VALVES, ETC.: Mercury	Inventory Date:
Local ID: ID-MDO-803T	Type: MTRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

AS-GENERATED EPA CODES

APP8, D009

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.32E-06
Pu-241	2.43E-01
Pu-240	2.67E-03
Pu-239	1.50E+00
Pu-238	2.25E+02
Pu-236	3.11E-04
Am-241	3.06E-03

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION

This waste comes from Mound Laboratory and consists of stainless steel, carbon steel, and small amounts of aluminum-metal wastes in the form of valves, piping, wrenches, nuts, bolts, stainless steel tubing, spatulas, pans, hotplates, ringstands, etc. Limited amounts of combustible and noncombustible wastes are also present from Content Codes 810, 811, 812, 813, 814, 826, and 832. Content Code 832 is liquid mercury. Content Code 812 is spent ion-exchange resin.

Most of the waste is metal waste that is primarily from D&D operations. Some of the metals were leached with nitric acid, ultrasonically cleaned, and dried to remove above-discard amounts of plutonium.

Waste is packaged in 1-gallon, plastic coated cardboard cartons which are in turn placed in two layers of PE bags and then put into a 55-gallon drum. Some large metal waste is taped on the rough edges and sealed in two layers of plastic and then placed into a 55-gallon drum. Drums have drum rigid liners and a drum bag. Each carton is individually assayed. Contaminated elemental mercury from Content Code 832 must be segregated.

The specific locations, by drum, of waste cartons from Content Code 832, mercury, are known. Therefore, the waste drums containing mercury will be easily identified and the mercury will be removed.

WASTE STREAM SOURCE

This record represents the [Mercury] portion (.02%) of the MWIR waste stream, [METAL, EQUIPMENT, PIPES, VALVES, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk amalg TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W280, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done. Waste stream is anticipated to be non-mixed after containers of mercury are removed.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TWBIR ID: IN-W281.487

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W281	Handling: CH	NMVP #: N/A	Stream Name: NONCOMBUSTIBLE EQUIPMENT BOXES: Cert-repack	Inventory Date:
Local ID: ID-MDO-824T	Type: MTRU	Generator Site: MD	Final Waste Form: Heterogeneous	Waste Matrix Code: S5400

**AS-GENERATED
EPA CODES**

APP8, D011, D010,
D009, D008, D007,
D006, D005

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	682.0	2.2	764.4
Aluminum-base Metal/Alloys:	28.7	17.5	38.2
Other Metals/Alloys:	15.1	9.2	46.6
Other Inorganic Material:	24.9	0.0	812.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	4.8	0.0	4.8
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m ³)	
Pu-242	3.35E-08
Pu-241	3.50E-03
Pu-240	3.84E-05
Pu-239	7.38E-02
Pu-238	1.53E+01
Pu-236	4.49E-06

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	317.0	0.0	0.0	0.0	0.0	317.0
Totals	317.0	0.0	0.0	0.0	0.0	317.0

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	317.8	0.0	0.0	0.0	0.0	317.8
Totals	317.8	0.0	0.0	0.0	0.0	317.8

As-Generated Form: Stored: 317.0 Projected: 0.0 Total: 317.0

Final Waste Form: Stored: 317.8 Projected: 0.0 Total: 317.8

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, consists of large, noncombustible wastes such as tanks (stainless steel and tantalum), piping, ducting, conduit, electric motors, pumps, metallurgical presses, lathes, dissolvers, evaporators, furnaces, ladders, vacuum sweepers, 24 x 24 x 12 inch HEPA filters, fume hoods, gloveboxes, plexiglass glovebox windows, and floor tile. Limited amounts of combustible wastes (plastic tanks, fiberglass gloveboxes, plastic contamination control tents, etc.) are also included.</p> <p>The boxes filled with HEPA filters and cartons of resins may both contain excessive fines. Organic material in the waste may vary from negligible to in excess of 6 lb/ft³. Combustibles may exceed 25 volume percent in some boxes. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Some emptied cylinders with opened valves and punctured aerosol cans are included in the waste.</p> <p>All of this waste is packaged in standard or oversized boxes. Each item is generally wiped with wet rags and single or double contained in plastic. Open ends or openings are sealed. Oils or other liquids are drained from any equipment prior to packaging. Florco absorbent is added to each box for residual liquids. Polyurethane foam is added if necessary to help stabilize large equipment.</p> <p>Some boxes contain smaller plywood boxes, cartons, cans, or drums of waste items. All plywood boxes are coated with fiberglass-reinforced polyester (FRP). Oversized boxes are not lined with plastic or cardboard liners.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (85.84%) of the MWIR waste stream, [NONCOMBUSTIBLE EQUIPMENT BOXES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W281, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W281	Handling: CH	NMVP #: N/A	Stream Name: NONCOMBUSTIBLE EQUIPMENT BOXES:Uncertifiable	Inventory Date:
Local ID: ID-MDO-824T	Type: MTRU	Generator Site: MD	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5400

**AS-GENERATED
EPA CODES**

APPB, D011, D010,
D009, D008, D007,
D006, D005

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.35E-06
Pu-241	3.50E-01
Pu-240	3.84E-03
Pu-239	7.38E+00
Pu-238	1.53E+03
Pu-236	4.49E-04

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	53.9	0.0	0.0	0.0	0.0	53.9	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	53.9	0.0	0.0	0.0	0.0	53.9	Totals	0.6	0.0	0.0	0.0	0.0	0.6

As-Generated Form: Stored: 53.9 Projected: 0.0 Total: 53.9 Final Waste Form: Stored: 0.6 Projected: 0.0 Total: 0.6

WASTE STREAM DESCRIPTION

This waste stream, generated at Mound Laboratory, consists of large, noncombustible wastes such as tanks (stainless steel and tantalum), piping, ducting, conduit, electric motors, pumps, metallurgical presses, lathes, dissolvers, evaporators, furnaces, ladders, vacuum sweepers, 24 x 24 x 12 inch HEPA filters, fume hoods, gloveboxes, plexiglass glovebox windows, and floor tile. Limited amounts of combustible wastes (plastic tanks, fiberglass gloveboxes, plastic contamination control tents, etc.) are also included.

The boxes filled with HEPA filters and cartons of resins may both contain excessive fines. Organic material in the waste may vary from negligible to in excess of 6 lb/ft³. Combustibles may exceed 25 volume percent in some boxes. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Some emptied cylinders with opened valves and punctured aerosol cans are included in the waste.

All of this waste is packaged in standard or oversized boxes. Each item is generally wiped with wet rags and single or double contained in plastic. Open ends or openings are sealed. Oils or other liquids are drained from any equipment prior to packaging. Florco absorbent is added to each box for residual liquids. Polyurethane foam is added if necessary to help stabilize large equipment.

Some boxes contain smaller plywood boxes, cartons, cans, or drums of waste items. All plywood boxes are coated with fiberglass-reinforced polyester (FRP). Oversized boxes are not lined with plastic or cardboard liners.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (14.36%) of the MWIR waste stream, [NONCOMBUSTIBLE EQUIPMENT BOXES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W281, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W283	Handling: CH	NMVP #: N/A	Stream Name: AMERICIUM PROCESS RESIDUE:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-241T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

**AS-GENERATED
EPA CODES**

F003, F002, D008,
D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	159.0	159.0	159.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	129.0	129.0	129.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	13.5	13.5	13.5
Rubber:	0.0	0.0	0.0
Plastics:	81.9	81.9	81.9
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

225

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.33E-04
Pu-241	4.91E+01
Pu-240	1.85E+00
Pu-239	8.14E+00
Pu-238	2.87E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of piping, flanges, valves, tools, equipment, PVC piping, glassware (flasks, broken ion exchange columns, etc.), glass filters, PE bottles, leaded glovebox gloves, paper, and plastics. Wastes were shipped only in 1972 and 1973, from renovation of the americium recovery line. Some of the containers are lead-lined.

Organic material in the waste may vary from negligible to 100 percent organic. Dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Some dried residue of 7 N nitric acid, hydrochloric acid, and ammonium thiocyanate may be present.

Smaller waste items are single and double contained in PE or PVC bags. Most of the bagged waste was placed in 13-inch high by 15.5-inch diameter Fibre-Paks. Larger items are placed directly inside 55-gallon drums. Fibre-Paks are usually wrapped with lead tape. Two Fibre-Paks fit in each drum. Most drums were lead shielded with 1/16- to 1/8-inch thick lead sheeting. Each drum was assayed.

The waste matrix composition listed is based on drum sampling. No glassware or glass filters were contained in the sampled containers.

WASTE STREAM SOURCE

This record represents the [CH-Cert-repack] portion (4.26%) of the MWIR waste stream, [AMERICIUM PROCESS RESIDUE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W283, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W283	Handling: CH	NMVP #: N/A	Stream Name: AMERICIUM PROCESS RESIDUE: Direct Ship	Inventory Date:
Local ID: ID-RFO-241T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

**AS-GENERATED
EPA CODES**

F003, F002, D008,
D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	97.2	97.2	97.2
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	78.9	78.9	78.9
Vitrified:	0.0	0.0	0.0
Cellulosics:	8.3	8.3	8.3
Rubber:	0.0	0.0	0.0
Plastics:	50.1	50.1	50.1
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

225

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.33E-04
Pu-241	4.91E+01
Pu-240	1.85E+00
Pu-239	8.14E+00
Pu-238	2.87E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, consists of piping, flanges, valves, tools, equipment, PVC piping, glassware (flasks, broken ion exchange columns, etc.), glass filters, PE bottles, leaded glovebox gloves, paper, and plastics. Wastes were shipped only in 1972 and 1973, from renovation of the americium recovery line. Some of the containers are lead-lined.</p> <p>Organic material in the waste may vary from negligible to 100 percent organic. Dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Some dried residue of 7 N nitric acid, hydrochloric acid, and ammonium thiocyanate may be present.</p> <p>Smaller waste items are single and double contained in PE or PVC bags. Most of the bagged waste was placed in 13-inch high by 15.5-inch diameter Fibre-Paks. Larger items are placed directly inside 55-gallon drums. Fibre-Paks are usually wrapped with lead tape. Two Fibre-Paks fit in each drum. Most drums were lead shielded with 1/16- to 1/8-inch thick lead sheeting. Each drum was assayed.</p> <p>The waste matrix composition listed is based on drum sampling. No glassware or glass filters were contained in the sampled containers.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [AMERICIUM PROCESS RESIDUE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W283, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W283	Handling: CH	NMVP #: N/A	Stream Name: AMERICIUM PROCESS RESIDUE:CH-Uncertifiable	Inventory Date:
Local ID: ID-RFO-241T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5420

**AS-GENERATED
EPA CODES**

F003, F002, D008,
D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	4.43E-04
Pu-241	1.64E+02
Pu-240	6.16E+00
Pu-239	2.71E+01
Pu-238	9.58E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of piping, flanges, valves, tools, equipment, PVC piping, glassware (flasks, broken ion exchange columns, etc.), glass filters, PE bottles, leaded glovebox gloves, paper, and plastics. Wastes were shipped only in 1972 and 1973, from renovation of the americium recovery line. Some of the containers are lead-lined.

Organic material in the waste may vary from negligible to 100 percent organic. Dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Some dried residue of 7 N nitric acid, hydrochloric acid, and ammonium thiocyanate may be present.

Smaller waste items are single and double contained in PE or PVC bags. Most of the bagged waste was placed in 13-inch high by 15.5-inch diameter Fibre-Paks. Larger items are placed directly inside 55-gallon drums. Fibre-Paks are usually wrapped with lead tape. Two Fibre-Paks fit in each drum. Most drums were lead shielded with 1/16- to 1/8-inch thick lead sheeting. Each drum was assayed.

The waste matrix composition listed is based on drum sampling. No glassware or glass filters were contained in the sampled containers.

WASTE STREAM SOURCE

This record represents the [CH-Uncertifiable] portion (3.74%) of the MWIR waste stream, [AMERICIUM PROCESS RESIDUE] after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk size incln vtrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W283, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W283	Handling: RH	NMVP #: N/A	Stream Name: AMERICIUM PROCESS RESIDUE:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-241T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

**AS-GENERATED
EPA CODES**

F003, F002, D008,
D002, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	111.5	111.5	111.5
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	90.4	90.4	90.4
Vitrified:	0.0	0.0	0.0
Cellulosics:	9.5	9.5	9.5
Rubber:	0.0	0.0	0.0
Plastics:	57.4	57.4	57.4
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

225

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.33E-04
Pu-241	4.91E+01
Pu-240	1.85E+00
Pu-239	8.14E+00
Pu-238	2.87E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	0.4	0.0	0.0	0.0	0.0	0.4	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, consists of piping, flanges, valves, tools, equipment, PVC piping, glassware (flasks, broken ion exchange columns, etc.), glass filters, PE bottles, leaded glovebox gloves, paper, and plastics. Wastes were shipped only in 1972 and 1973, from renovation of the americium recovery line. Some of the containers are lead-lined.</p> <p>Organic material in the waste may vary from negligible to 100 percent organic. Dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Some dried residue of 7 N nitric acid, hydrochloric acid, and ammonium thiocyanate may be present.</p> <p>Smaller waste items are single and double contained in PE or PVC bags. Most of the bagged waste was placed in 13-inch high by 15.5-inch diameter Fibre-Paks. Larger items are placed directly inside 55-gallon drums. Fibre-Paks are usually wrapped with lead tape. Two Fibre-Paks fit in each drum. Most drums were lead shielded with 1/16- to 1/8-inch thick lead sheeting. Each drum was assayed.</p> <p>The waste matrix composition listed is based on drum sampling. No glassware or glass filters were contained in the sampled containers.</p>
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (72%) of the MWIR waste stream, [AMERICIUM PROCESS RESIDUE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W283, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W285	Handling: CH	NMVP #: N/A	Stream Name: NONCOMBUSTIBLE SOLIDS: Cart-repack	Inventory Date:
Local ID: ID-BCO-201T	Type: MTRU	Generator Site: BC	Final Waste Form: Heterogeneous	Waste Matrix Code: S5100

AS-GENERATED EPA CODES

D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	96.2	0.0	1634.8
Aluminum-base Metal/Alloys:	0.0	0.0	1.6
Other Metals/Alloys:	0.1	0.0	22.7
Other Inorganic Material:	2.4	0.0	24.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	80.9	0.0	184.8
Rubber:	7.3	0.0	16.4
Plastics:	64.9	0.0	149.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Remediation/D&D Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.70E-05
Pu-239	2.86E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Bin	56.0	0.0	0.0	0.0	0.0	56.0	55 Gallon Drum	63.0	0.0	0.0	0.0	0.0	63.0
Drum	7.0	0.0	0.0	0.0	0.0	7.0	Totals	63.0	0.0	0.0	0.0	0.0	63.0
Totals	63.0	0.0	0.0	0.0	0.0	63.0							

As-Generated Form: Stored: 63.0 Projected: 0.0 Total: 63.0 Final Waste Form: Stored: 63.0 Projected: 0.0 Total: 63.0

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Battelle Columbus Laboratories, contains noncombustible items such as tools, crucibles, piping, valves, pieces of equipment, lead bricks, plexiglass, and filters.</p> <p>The organic content is minimal. The levels of dispersible fines should be within WIPP-WAC limits. No aludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>Prior to packaging, each waste item is given a smear test and then triple contained in either nylon reinforced plastic sheeting or PE bags. The waste is placed in 55-gallon drums fitted with 90-mil liners, or else placed in M-III bins. Some drums which do not meet INEL packaging criteria are also overpacked in bins.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (97.01%) of the MWIR waste stream, [NONCOMBUSTIBLE SOLIDS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W285, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W285	Handling: CH	NMVP #: N/A	Stream Name: NONCOMBUSTIBLE SOLIDS:Direct Ship	Inventory Date:
Local ID: ID-BCO-201T	Type: MTRU	Generator Site: BC	Final Waste Form: Heterogeneous	Waste Matrix Code: S5100

**AS-GENERATED
EPA CODES**

D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	85.3	0.0	1449.4
Aluminum-base Metal/Alloys:	0.0	0.0	1.4
Other Metals/Alloys:	0.1	0.0	20.1
Other Inorganic Material:	2.1	0.0	21.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	71.7	0.0	163.9
Rubber:	6.5	0.0	14.5
Plastics:	57.5	0.0	132.1
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	9.70E-05
Pu-239	2.86E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
Drum	1.9	0.0	0.0	0.0	0.0	1.9	55 Gallon Drum	1.9	0.0	0.0	0.0	0.0	1.9
Totals	1.9	0.0	0.0	0.0	0.0	1.9	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	2.3	0.0	0.0	0.0	0.0	2.3

As-Generated Form: Stored: 1.9 Projected: 0.0 Total: 1.9 **Final Waste Form:** Stored: 2.3 Projected: 0.0 Total: 2.3

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Battelle Columbus Laboratories, contains noncombustible items such as tools, crucibles, piping, valves, pieces of equipment, lead bricks, plexiglass, and filters.</p> <p>The organic content is minimal. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>Prior to packaging, each waste item is given a smear test and then triple contained in either nylon reinforced plastic sheeting or PE bags. The waste is placed in 55-gallon drums fitted with 90-mil liners, or else placed in M-III bins. Some drums which do not meet INEL packaging criteria are also overpacked in bins.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (2.99%) of the MWIR waste stream, [NONCOMBUSTIBLE SOLIDS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W285, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W287	Handling: CH	NMVP #: N/A	Stream Name: CUT UP GLOVEBOXES	Inventory Date:
Local ID: ID-AEO-101T	Type: MTRU	Generator Site: AE	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
DD08	Iron-base Metal/Alloys:	213.2	44.2	368.4	Defense TRU Waste	N/A	U-238	5.91E-05
	Aluminum-base Metal/Alloys:	34.2	27.4	73.7	Residues: No		U-235	1.24E-08
	Other Metals/Alloys:	15.8	12.6	44.2	Asbestos: Unknown		Pu-241	2.86E-01
	Other Inorganic Material:	38.9	0.0	141.1	PCBs: No		Pu-240	3.07E+00
	Vitrified:	0.0	0.0	0.0	Source: Remediation/D&D Waste		Pu-239	2.58E-01
	Cellulosics:	56.8	23.7	115.0			Np-237	7.88E-04
	Rubber:	0.6	0.3	2.4			Am-241	1.99E-03
	Plastics:	5.7	2.4	24.2				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Bin	196.0	0.0	0.0	0.0	0.0	196.0	55 Gallon Drum	212.0	0.0	0.0	0.0	0.0	212.0
Box	15.9	0.0	0.0	0.0	0.0	15.9	Totals	212.0	0.0	0.0	0.0	0.0	212.0
Totals	211.9	0.0	0.0	0.0	0.0	211.9							

As-Generated Form: Stored: 211.9 Projected: 0.0 Total: 211.9 Final Waste Form: Stored: 212.0 Projected: 0.0 Total: 212.0

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Argonne National Laboratory-East, contains glovebox sections and associated equipment from decontamination and decommissioning operations. The waste is predominantly noncombustible.</p> <p>The organic content is around 3 lb/ft³. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>This waste is contained in M-III bins with half or full-sized plywood box liners. Miscellaneous items such as machines, tools, glassware, piping, filters, and cinderblock are contained in 20-mil PVC bags, heat sealed, and placed in the plywood liners. Gloveboxes are dismantled, wrapped in one or more layers of PE, and placed in the liners.</p>
WASTE STREAM SOURCE	<p>This waste stream was generated at Plutonium Lab and Plutonium Fabrication Bldgs.: Various. The generating process is: Decontamination and Decommissioning.</p>
CURRENT CONTAINER COMMENTS	<p>N/A</p>
EPA COMMENTS	<p>The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.</p>
MANAGEMENT COMMENTS	<p>Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.</p>
ACCEPTANCE COMMENTS	<p>N/A</p>
FINAL FORM COMMENTS	<p>All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.</p>

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W289	Handling: CH	NMVP #: N/A	Stream Name: DECONTAMINATION AND DECOMMISSIONING WAST	Inventory Date:
Local ID: ID-OFS-121T	Type: MTRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED EPA CODES

APP8, F002, F001, D009, D008, D007, D006, D005, D004
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	415.6	2.2	764.4
Aluminum-base Metal/Alloys:	17.5	17.5	38.2
Other Metals/Alloys:	9.2	9.2	46.6
Other Inorganic Material:	31.7	0.0	812.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	4.8	0.0	4.8
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Remediation/D&D Waste

TRUCON CODE

121

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
Pu-239	5.89E+00
Am-241	4.66E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	0.0	0.0	0.0	0.0	0.0	0.0	55 Gallon Drum	25.4	0.0	0.0	0.0	0.0	25.4
Totals	0.0	0.0	0.0	0.0	0.0	0.0	Totals	25.4	0.0	0.0	0.0	0.0	25.4

As-Generated Form: Stored: 0.0 Projected: 0.0 Total: 0.0 Final Waste Form: Stored: 25.4 Projected: 0.0 Total: 25.4

WASTE STREAM DESCRIPTION	<p>This waste, generated at Argonne National Laboratory-East and Rocky Flats. The ANL-East waste is derived from decontamination and disposal of facilities and ancillary systems. The composition of the waste is unknown.</p> <p>The waste generated at Rocky Flats contains mainly Benelex which is a dense, laminated, lignocellulose hardboard made from wood chips and particles (Masonite Corp., Type 402). The Benelex is generally 2 inches thick. Some of the Benelex has lead shielding attached to it. Metal hinges and angle iron strongbacks are also present. Plexiglass is the other major constituent in the waste. The plexiglass thickness ranges from 2 to 4 inches. Both the Benelex and the plexiglass are combustible. The waste is packaged in standard RFP drums and boxes.</p> <p>Waste matrix composition listed is based on the opening and examination of several drums of IDC 302 waste. More than 94% of this waste is in boxes, where a larger percentage of benelex (large pieces) can be expected.</p>
WASTE STREAM SOURCE	<p>This waste stream was generated at Argonne National Laboratory-East, Unknown; Rocky Flats Plant, Various: Various. The generating process is: Argonne National Laboratory-East - Unknown and Rocky Flats Plant - Various.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	<p>The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.</p>
MANAGEMENT COMMENTS	<p>Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.</p>
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	<p>All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.</p>

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W291	Handling: CH	NMVP #: N/A	Stream Name: GENERAL PLANT WASTE: Direct Ship	Inventory Date:
Local ID: ID-AEO-100T	Type: MTRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
F003, D001	Iron-base Metal/Alloys:	58.8	0.0	999.3	Defense TRU Waste	N/A	U-238	9.63E-07
	Aluminum-base Metal/Alloys:	0.0	0.0	1.0	Residues: No		U-235	2.44E-07
	Other Metals/Alloys:	0.1	0.0	13.9	Asbestos: Unknown		Pu-240	9.72E-01
	Other Inorganic Material:	1.5	0.0	14.7	PCBs: No		Pu-239	2.17E-01
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources		Np-237	7.16E-05
	Cellulosics:	49.5	0.0	113.0			Am-241	5.22E-01
	Rubber:	4.5	0.0	10.0				
	Plastics:	39.7	0.0	91.1				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	187.2						
	Packaging Material Plastic:	23.5						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Argonne National Laboratory-East, contains combustible and noncombustible items such as paper, rags, rubber gloves, plastic bottles, glassware, small tools, balances, and empty metal cans. The waste is usually separated into combustible and noncombustible streams. Prior to 1981, small amounts of absorbed organic wastes are included.</p> <p>Waste packaged prior to 1982 may contain of potentially unstable materials. Since the waste is packaged in bins, all of the bins may require opening and handling to meet TRAMPAC limits, such as vented container requirements. The organic content will exceed 8 lb/ft³ for combustible-containing bins. The levels of dispersible fines should be within WIPP-WAC limits. No free liquids should be present. There may be small amounts of sludges. The waste contains contaminated gas cylinders which are empty and have open valves. Aerosol cans may also be included. Prior to 1981, potentially unstable material such as nitrated organic resins, and ether-based scintillation fluids were also included.</p> <p>Wastes are packaged in 3- and 5-gallon cans and the 55-gallon drums are segregated into combustible and noncombustible streams and placed in M-III bins.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (.01%) of the MWIR waste stream, [GENERAL PLANT WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W291, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W291	Handling: CH	NMVP #: N/A	Stream Name: GENERAL PLANT WASTE:Uncert-comb	Inventory Date:
Local ID: ID-AEO-100T	Type: MTRU	Generator Site: AE	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5440

**AS-GENERATED
EPA CODES**

F003, D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Other/Multiple Sources		

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
U-238	9.83E-05
U-235	2.44E-05
Pu-240	9.72E+01
Pu-239	2.17E+01
Np-237	7.16E-03
Am-241	5.22E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Bin	123.6	0.0	0.0	0.0	0.0	123.6	55 Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5
Totals	123.6	0.0	0.0	0.0	0.0	123.6	Totals	1.5	0.0	0.0	0.0	0.0	1.5

As-Generated Form: Stored: 123.6 Projected: 0.0 Total: 123.6 Final Waste Form: Stored: 1.5 Projected: 0.0 Total: 1.5

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Argonne National Laboratory-East, contains combustible and noncombustible items such as paper, rags, rubber gloves, plastic bottles, glassware, small tools, balances, and empty metal cans. The waste is usually separated into combustible and noncombustible streams. Prior to 1981, small amounts of absorbed organic wastes are included.</p> <p>Waste packaged prior to 1982 may contain of potentially unstable materials. Since the waste is packaged in bins, all of the bins may require opening and handling to meet TRAMPAC limits, such as vented container requirements. The organic content will exceed 6 lb/M3 for combustible-containing bins. The levels of dispersible fines should be within WIPP-WAC limits. No free liquids should be present. There may be small amounts of sludges. The waste contains contaminated gas cylinders which are empty and have open valves. Aerosol cans may also be included. Prior to 1981, potentially unstable material such as nitrated organic resins, and ether-based scintillation fluids were also included.</p> <p>Wastes are packaged in 3- and 5-gallon cans and the 55-gallon drums are segregated into combustible and noncombustible streams and placed in M-III bins.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncert-comb] portion (17.63%) of the MWIR waste stream, [GENERAL PLANT WASTE] after processing. The proposed processing sequence is [SWEPP:segpk (VPPF:segpk size incln vtrf TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W291, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W291	Handling: CH	NMVP #: N/A	Stream Name: GENERAL PLANT WASTE: Cert-repack	Inventory Date:
Local ID: ID-AEO-100T	Type: MTRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																				
F003, D001	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>96.2</td><td>0.0</td><td>1634.8</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>1.6</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.1</td><td>0.0</td><td>22.7</td></tr> <tr><td>Other Inorganic Material:</td><td>2.4</td><td>0.0</td><td>24.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>80.9</td><td>0.0</td><td>184.8</td></tr> <tr><td>Rubber:</td><td>7.3</td><td>0.0</td><td>16.4</td></tr> <tr><td>Plastics:</td><td>64.9</td><td>0.0</td><td>149.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>37.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	96.2	0.0	1634.8	Aluminum-base Metal/Alloys:	0.0	0.0	1.6	Other Metals/Alloys:	0.1	0.0	22.7	Other Inorganic Material:	2.4	0.0	24.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	80.9	0.0	184.8	Rubber:	7.3	0.0	16.4	Plastics:	64.9	0.0	149.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	37.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Other/Multiple Sources	N/A	Isotope (Ci/m3) U-238 9.63E-07 U-235 2.44E-07 Pu-240 9.72E-01 Pu-239 2.17E-01 Np-237 7.16E-05 Am-241 5.22E-01
	Avg	Min	Max																																																																					
Iron-base Metal/Alloys:	96.2	0.0	1634.8																																																																					
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Packaging Material Steel Plug:	0.0																																																																							

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Bin	630.0	0.0	0.0	0.0	0.0	630.0	55 Gallon Drum	634.4	0.0	0.0	0.0	0.0	634.4
Box	3.2	0.0	0.0	0.0	0.0	3.2	Totals	634.4	0.0	0.0	0.0	0.0	634.4
Drum	0.2	0.0	0.0	0.0	0.0	0.2							
Totals	633.4	0.0	0.0	0.0	0.0	633.4							

As-Generated Form: Stored: 633.4 Projected: 0.0 Total: 633.4 Final Waste Form: Stored: 634.4 Projected: 0.0 Total: 634.4



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Argonne National Laboratory-East, contains combustible and noncombustible items such as paper, rags, rubber gloves, plastic bottles, glassware, small tools, balances, and empty metal cans. The waste is usually separated into combustible and noncombustible streams. Prior to 1981, small amounts of absorbed organic wastes are included.</p> <p>Waste packaged prior to 1982 may contain of potentially unstable materials. Since the waste is packaged in bins, all of the bins may require opening and handling to meet TRAMPAC limits, such as vented container requirements. The organic content will exceed 6 lb/ft³ for combustible-containing bins. The levels of dispersible fines should be within WIPP-WAC limits. No free liquids should be present. There may be small amounts of sludges. The waste contains contaminated gas cylinders which are empty and have open valves. Aerosol cans may also be included. Prior to 1981, potentially unstable material such as nitrated organic resins, and ether-based scintillation fluids were also included.</p> <p>Wastes are packaged in 3- and 5-gallon cans and the 55-gallon drums are segregated into combustible and noncombustible streams and placed in M-III bins.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (82.36%) of the MWIR waste stream, [GENERAL PLANT WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W291, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W294	Handling: CH	NMVP #: N/A	Stream Name: LEACHED NONSPECIAL SOURCE METAL:CH-Uncert	Inventory Date:
Local ID: ID-RFO-481T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5110

AS-GENERATED EPA CODES

APP8, F005, F002, F001, D022, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	6.72E-06
Pu-242	1.71E-04
Pu-241	6.34E+01
Pu-240	2.38E+00
Pu-239	1.05E+01
Pu-238	3.70E-01
Am-241	2.50E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8 Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant. It consists of the smaller pieces of the waste described under Content Code 480 that have been washed with hot water to recover plutonium. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead-lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [CH-Uncert] portion (.2%) of the MWIR waste stream, [LEACHED NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk WPP:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W294, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W294	Handling: CH	NMVP #: N/A	Stream Name: LEACHED NONSPECIAL SOURCE METAL:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-481T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5110

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m ³)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m ³)	
APP8, F005, F002, F001, D022, D008	Iron-base Metal/Alloys:	162.0	0.0	339.0	Defense TRU Waste	217	U-235	2.02E-06
	Aluminum-base Metal/Alloys:	9.6	0.0	48.1	Residues: No		Pu-242	5.14E-05
	Other Metals/Alloys:	122.0	0.0	477.0	Asbestos: Unknown		Pu-241	1.90E+01
	Other Inorganic Material:	31.7	13.1	54.6	PCBs: No		Pu-240	7.14E-01
	Vitrified:	0.0	0.0	0.0	Source: Facility/Equipment Operation and Maintenance Waste		Pu-239	3.15E+00
	Cellulosics:	0.0	0.0	0.2			Pu-238	1.11E-01
	Rubber:	0.0	0.0	0.0			Am-241	7.51E-02
	Plastics:	16.4	4.4	39.3				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	294.8	0.0	0.0	0.0	0.0	294.8	55 Gallon Drum	406.8	0.0	0.0	0.0	0.0	406.8
Drum	111.5	0.0	0.0	0.0	0.0	111.5	Totals	406.8	0.0	0.0	0.0	0.0	406.8
Totals	406.3	0.0	0.0	0.0	0.0	406.3							

As-Generated Form: Stored: 406.3 Projected: 0.0 Total: 406.3 Final Waste Form: Stored: 406.8 Projected: 0.0 Total: 406.8

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant. It consists of the smaller pieces of the waste described under Content Code 480 that have been washed with hot water to recover plutonium. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead-lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [CH-Cert-repack] portion (91.76%) of the MWIR waste stream, [LEACHED NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W294, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W294	Handling: RH	NMVP #: N/A	Stream Name: LEACHED NONSPECIAL SOURCE METAL:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-481T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5110

**AS-GENERATED
EPA CODES**
APP8, F005, F002,
F001, D022, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	113.0	0.0	236.4
Aluminum-base Metal/Alloys:	6.7	0.0	33.5
Other Metals/Alloys:	85.1	0.0	332.7
Other Inorganic Material:	22.1	9.1	38.1
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.2
Rubber:	0.0	0.0	0.0
Plastics:	11.4	3.0	27.4
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE
217

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	2.02E-06
Pu-242	5.14E-05
Pu-241	1.90E+01
Pu-240	7.14E-01
Pu-239	3.15E+00
Pu-238	1.11E-01
Am-241	7.51E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.9	0.0	0.0	0.0	0.0	5.9	RH Canister used to overpack 55 gallon drums	9.5	0.0	0.0	0.0	0.0	9.5
Totals	5.9	0.0	0.0	0.0	0.0	5.9	Totals	9.5	0.0	0.0	0.0	0.0	9.5

As-Generated Form: Stored: 5.9 Projected: 0.0 Total: 5.9 **Final Waste Form:** Stored: 9.5 Projected: 0.0 Total: 9.5

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant. It consists of the smaller pieces of the waste described under Content Code 480 that have been washed with hot water to recover plutonium. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead-lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (1.34%) of the MWIR waste stream, [LEACHED NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W294, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W294	Handling: CH	NMVP #: N/A	Stream Name: LEACHED NONSPECIAL SOURCE METAL: Direct Ship	Inventory Date:
Local ID: ID-RFO-481T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5110

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category: Defense TRU Waste	217	Isotope (Ci/m3)
APP8, F005, F002, F001, D022, D008	Iron-base Metal/Alloys: 142.7 0.0 298.7	Residues: No		U-235 2.02E-08
	Aluminum-base Metal/Alloys: 8.5 0.0 42.4	Asbestos: Unknown		Pu-242 5.14E-05
	Other Metals/Alloys: 107.5 0.0 420.3	PCBs: No		Pu-241 1.90E+01
	Other Inorganic Material: 27.9 11.5 48.1	Source: Facility/Equipment Operation and Maintenance Waste		Pu-240 7.14E-01
	Vitrified: 0.0 0.0 0.0			Pu-239 3.15E+00
	Cellulosics: 0.0 0.0 0.2			Pu-238 1.11E-01
	Rubber: 0.0 0.0 0.0			Am-241 7.51E-02
	Plastics: 14.4 3.8 34.6			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Solts: 0.0 0.0 0.0			
	Packaging Material Steel: 148.1			
	Packaging Material Plastic: 32.9			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	30.1	0.0	0.0	0.0	0.0	30.1	55 Gallon Drum	28.4	0.0	0.0	0.0	0.0	28.4
Totals	30.1	0.0	0.0	0.0	0.0	30.1	SWB used to overpack 55 gallon drums	7.1	0.0	0.0	0.0	0.0	7.1
							Totals	33.5	0.0	0.0	0.0	0.0	33.5

As-Generated Form: Stored: 30.1 Projected: 0.0 Total: 30.1 Final Waste Form: Stored: 33.5 Projected: 0.0 Total: 33.5

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant. It consists of the smaller pieces of the waste described under Content Code 480 that have been washed with hot water to recover plutonium. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead-lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (6.7%) of the MWIR waste stream, [LEACHED NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:dlsp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W294, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W296	Handling: CH	NMVP #: 117	Stream Name: NONSPECIAL SOURCE METAL:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-480T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D029,
D028, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	58.7	0.0	266.0
Aluminum-base Metal/Alloys:	3.9	0.0	32.8
Other Metals/Alloys:	160.0	0.0	538.0
Other Inorganic Material:	18.8	0.0	59.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	3.9	0.0	16.4
Rubber:	1.8	0.0	9.8
Plastics:	26.3	4.4	49.2
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

117.217

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.12E-07
Pu-242	1.19E-05
Pu-241	4.40E+00
Pu-240	1.65E-01
Pu-239	7.29E-01
Pu-238	2.57E-02
Np-237	3.07E-06
Am-241	2.54E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	3449.0	0.0	0.0	0.0	0.0	3449.0	55 Gallon Drum	3450.3	0.0	0.0	0.0	0.0	3450.3
Totals	3449.0	0.0	0.0	0.0	0.0	3449.0	Totals	3450.3	0.0	0.0	0.0	0.0	3450.3

As-Generated Form: Stored: 3449.0 Projected: 0.0 Total: 3449.0 Final Waste Form: Stored: 3450.3 Projected: 0.0 Total: 3450.3

WASTE STREAM DESCRIPTION	<p>The waste comes from the Rocky Flats Plant. It consists of nonline-and line-generated wastes. The waste may be in the form of gloveboxes, glovebox windows, furnaces, lathes, drill presses, ducting, piping, angle iron, tanks, downdraft tables, part carriers, respirator filters, ultrasonic cleaners, control panels, electronic instrumentation, vacuum sweepers, pumps, motors, railing, stairs, metal racks and trays, hotplates, empty metal produce and paint cans, carts, power tools (saws, drills, etc.), hand tools (wrenches, hammers, saws, chisels, gauges, etc.), chairs, desks, tables, typewriters, filing cabinets, crushed 55-gallon drums, etc. The waste may also include limited amounts of combustible wastes. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead lined containers are included.</p>
WASTE STREAM SOURCE	<p>This record represents the [CH-Cart-repack] portion (65.8%) of the MWIR waste stream, [NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W296, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W296	Handling: CH	NMVP #: N/A	Stream Name: NONSPECIAL SOURCE METAL:CH-Uncert	Inventory Date:
Local ID: ID-RFO-480T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D029,
D028, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	3.72E-07
Pu-242	3.97E-05
Pu-241	1.47E+01
Pu-240	5.51E-01
Pu-239	2.43E+00
Pu-238	8.58E-02
Np-237	1.02E-05
Am-241	8.45E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	1578.7	0.0	0.0	0.0	0.0	1578.7	55 Gallon Drum	520.2	0.0	0.0	0.0	0.0	520.2
Drum	155.2	0.0	0.0	0.0	0.0	155.2	Totals	520.2	0.0	0.0	0.0	0.0	520.2
Totals	1733.8	0.0	0.0	0.0	0.0	1733.8							

As-Generated Form: Stored: 1733.8 Projected: 0.0 Total: 1733.8 Final Waste Form: Stored: 520.2 Projected: 0.0 Total: 520.2

WASTE STREAM DESCRIPTION

The waste comes from the Rocky Flats Plant. It consists of nonline and line-generated wastes. The waste may be in the form of gloveboxes, glovebox windows, furnaces, lathes, drill presses, ducting, piping, angle iron, tanks, downdraft tables, part carriers, respirator filters, ultrasonic cleaners, control panels, electronic instrumentation, vacuum sweepers, pumps, motors, railing, stairs, metal racks and trays, hotplates, empty metal produce and paint cans, carts, power tools (saws, drills, etc.), hand tools (wrenches, hammers, saws, chisels, gauges, etc.), chairs, desks, tables, typewriters, filing cabinets, crushed 55-gallon drums, etc. The waste may also include limited amounts of combustible wastes. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead lined containers are included.

WASTE STREAM SOURCE

This record represents the [CH-Uncert] portion (33.06%) of the MWIR waste stream, [NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk WPPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W296, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W296	Handling: RH	NMVP #: 117	Stream Name: NONSPECIAL SOURCE METAL:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-480T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

AS-GENERATED EPA CODES

APP8, F005, F003, F002, F001, D029, D028, D008
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WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	40.9	0.0	185.5
Aluminum-base Metal/Alloys:	2.7	0.0	22.9
Other Metals/Alloys:	111.6	0.0	375.2
Other Inorganic Material:	13.1	0.0	41.5
Vitrified:	0.0	0.0	0.0
Cellulosics:	2.7	0.0	11.4
Rubber:	1.2	0.0	6.8
Plastics:	18.3	3.0	34.3
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

117, 217

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.12E-07
Pu-242	1.19E-05
Pu-241	4.40E+00
Pu-240	1.65E-01
Pu-239	7.29E-01
Pu-238	2.57E-02
Np-237	3.07E-06
Am-241	2.54E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	8.7	0.0	0.0	0.0	0.0	8.7	RH Canister used to overpack 55 gallon drums	13.1	0.0	0.0	0.0	0.0	13.1
Totals	8.7	0.0	0.0	0.0	0.0	8.7	Totals	13.1	0.0	0.0	0.0	0.0	13.1

As-Generated Form: Stored: 8.7 Projected: 0.0 Total: 8.7 Final Waste Form: Stored: 13.1 Projected: 0.0 Total: 13.1

WASTE STREAM DESCRIPTION	The waste comes from the Rocky Flats Plant. It consists of nonline and line-generated wastes. The waste may be in the form of gloveboxes, glovebox windows, furnaces, lathes, drill presses, ducting, piping, angle iron, tanks, downdraft tables, part carriers, respirator filters, ultrasonic cleaners, control panels, electronic instrumentation, vacuum sweepers, pumps, motors, railing, stairs, metal racks and trays, hotplates, empty metal produce and paint cans, carts, power tools (saws, drills, etc.), hand tools (wrenches, hammers, saws, chisels, gauges, etc.), chairs, desks, tables, typewriters, filing cabinets, crushed 55-gallon drums, etc. The waste may also include limited amounts of combustible wastes. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (.16%) of the MWIR waste stream, [NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W296, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W296	Handling: RH	NMVP #: N/A	Stream Name: NONSPECIAL SOURCE METAL:RH-Uncert	Inventory Date:
Local ID: ID-RFO-480T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5112

AS-GENERATED EPA CODES
 APP8, F005, F003, F002, F001, D029, D028, D008

WASTE MATERIAL PARAMETERS (kg/m3)	Avg Min Max		
	Iron-base Metal/Alloys:	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste N/A

Residues: No

Asbestos: Unknown

PCBs: No

Source: Facility/Equipment Operation and Maintenance Waste

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	3.72E-07
Pu-242	3.97E-05
Pu-241	1.47E+01
Pu-240	5.51E-01
Pu-239	2.43E+00
Pu-238	8.58E-02
Np-237	1.02E-05
Am-241	8.45E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	8.7	0.0	0.0	0.0	0.0	8.7	RH Canister used to overpack 55 gallon drums	4.7	0.0	0.0	0.0	0.0	4.7
Totals	8.7	0.0	0.0	0.0	0.0	8.7	Totals	4.7	0.0	0.0	0.0	0.0	4.7

As-Generated Form: Stored: 8.7 Projected: 0.0 Total: 8.7 **Final Waste Form:** Stored: 4.7 Projected: 0.0 Total: 4.7

WASTE STREAM DESCRIPTION	The waste comes from the Rocky Flats Plant. It consists of nonline and line-generated wastes. The waste may be in the form of gloveboxes, glovebox windows, furnaces, lathes, drill presses, ducting, piping, angle iron, tanks, downdraft tables, part carriers, respirator filters, ultrasonic cleaners, control panels, electronic instrumentation, vacuum sweepers, pumps, motors, ralling, stairs, metal racks and trays, hotplates, empty metal produce and paint cans, carts, power tools (saws, drills, etc.), hand tools (wrenches, hammers, saws, chisels, gauges, etc.), chairs, desks, tables, typewriters, filing cabinets, crushed 55-gallon drums, etc. The waste may also include limited amounts of combustible wastes. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead lined containers are included.
WASTE STREAM SOURCE	This record represents the [RH-Uncert] portion (.18%) of the MWIR waste stream, [NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk [WPF:segpk size incin vitri TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W296, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W296	Handling: CH	NMVP #: 117	Stream Name: NONSPECIAL SOURCE METAL:Direct Shp	Inventory Date:
Local ID: ID-RFO-480T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**

APP8, F005, F003,
F002, F001, D029,
D028, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	51.9	0.0	235.1
Aluminum-base Metal/Alloys:	3.4	0.0	29.0
Other Metals/Alloys:	141.4	0.0	475.5
Other Inorganic Material:	16.6	0.0	52.6
Vitrified:	0.0	0.0	0.0
Cellulosics:	3.4	0.0	14.5
Rubber:	1.6	0.0	8.7
Plastics:	23.2	3.9	43.5
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.7		
Packaging Material Plastic:	33.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

117, 217

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.12E-07
Pu-242	1.19E-05
Pu-241	4.40E+00
Pu-240	1.65E-01
Pu-239	7.29E-01
Pu-238	2.57E-02
Np-237	3.07E-06
Am-241	2.54E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	43.2	0.0	0.0	0.0	0.0	43.2	55 Gallon Drum	38.1	0.0	0.0	0.0	0.0	38.1
Totals	43.2	0.0	0.0	0.0	0.0	43.2	SWB used to overpack 55 gallon drums	9.9	0.0	0.0	0.0	0.0	9.9
							Totals	48.0	0.0	0.0	0.0	0.0	48.0

As-Generated Form: Stored: 43.2 Projected: 0.0 Total: 43.2 Final Waste Form: Stored: 48.0 Projected: 0.0 Total: 48.0

WASTE STREAM DESCRIPTION	The waste comes from the Rocky Flats Plant. It consists of nonline and line-generated wastes. The waste may be in the form of gloveboxes, glovebox windows, furnaces, lathes, drill presses, ducting, piping, angle iron, tanks, downdraft tables, part carriers, respirator filters, ultrasonic cleaners, control panels, electronic instrumentation, vacuum sweepers, pumps, motors, railing, stairs, metal racks and trays, hotplates, empty metal produce and paint cans, carts, power tools (saws, drills, etc.), hand tools (wrenches, hammers, saws, chisels, gauges, etc.), chairs, desks, tables, typewriters, filing cabinets, crushed 55-gallon drums, etc. The waste may also include limited amounts of combustible wastes. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Some lead lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (.82%) of the MWIR waste stream, [NONSPECIAL SOURCE METAL] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W296, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W298	Handling: CH	NMVP #: 117	Stream Name: TANTALUM:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-320T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**
APP8, F002, F001,
D008

	WASTE MATERIAL PARAMETERS (kg/m3)		
	Avg	Min	Max
Iron-base Metal/Alloys:	185.0	0.0	393.0
Aluminum-base Metal/Alloys:	6.3	0.0	22.9
Other Metals/Alloys:	40.7	0.0	200.0
Other Inorganic Material:	20.9	0.0	49.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	13.7	0.0	61.2
Rubber:	1.4	0.0	9.2
Plastics:	13.6	0.0	20.1
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS	
Category:	Defense TRU Waste
Residues:	No
Asbestos:	Unknown
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE
117, 217

FINAL FORM RADIONUCLIDES	
Isotope (Ci/m3)	
Pu-242	1.97E-04
Pu-241	7.28E+01
Pu-240	2.73E+00
Pu-239	1.20E+01
Pu-238	4.25E-01
Am-241	1.20E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	6.3	0.0	0.0	0.0	0.0	6.3
Drum	48.3	0.0	0.0	0.0	0.0	48.3
Totals	54.7	0.0	0.0	0.0	0.0	54.7

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	54.7	0.0	0.0	0.0	0.0	54.7
Totals	54.7	0.0	0.0	0.0	0.0	54.7

As-Generated Form: Stored: 54.7 Projected: 0.0 Total: 54.7

Final Waste Form: Stored: 54.7 Projected: 0.0 Total: 54.7

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant. It consists of used tantalum crucibles, funnels, funnel inserts, and pour-rods. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Other metals may include tungsten, platinum, and lead. Some lead-lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [CH-Cert-repack] portion (73.21%) of the MWIR waste stream, [TANTALUM] after processing. The proposed processing sequence is [SWEPP:segpk (WPF:segpk segpk TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W298, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W298	Handling: RH	NMVP #: 117	Stream Name: TANTALUM:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-320T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5112

AS-GENERATED EPA CODES

APP8, F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	129.0	0.0	274.1
Aluminum-base Metal/Alloys:	4.4	0.0	15.9
Other Metals/Alloys:	28.4	0.0	139.5
Other Inorganic Material:	14.8	0.0	34.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	9.8	0.0	42.7
Rubber:	1.0	0.0	6.4
Plastics:	9.5	0.0	14.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: Unknown
 PCBs: No
 Source: Materials Production/Recovery Effluents

TRUCON CODE

117, 217

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.97E-04
Pu-241	7.28E+01
Pu-240	2.73E+00
Pu-239	1.20E+01
Pu-238	4.25E-01
Am-241	1.20E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.5	0.0	0.0	0.0	0.0	5.5	RH Canister used to overpack 55 gallon drums	8.3	0.0	0.0	0.0	0.0	8.3
Totals	5.5	0.0	0.0	0.0	0.0	5.5	Totals	8.3	0.0	0.0	0.0	0.0	8.3

As-Generated Form: Stored: 5.5 Projected: 0.0 Total: 5.5 Final Waste Form: Stored: 8.3 Projected: 0.0 Total: 8.3

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant. It consists of used tantalum crucibles, funnels, funnel inserts, and pour-rods. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Other metals may include tungsten, platinum, and lead. Some lead-lined containers are included.
WASTE STREAM SOURCE	This record represents the [RH-Cert-repack] portion (7.32%) of the MWIR waste stream, [TANTALUM] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W298, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W298	Handling: CH	NMVP #: 117	Stream Name: TANTALUM:Direct Ship	Inventory Date:
Local ID: ID-RFO-320T	Type: MTRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**
APP8, F002, F001,
D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	162.6	0.0	345.5
Aluminum-base Metal/Alloys:	5.5	0.0	20.1
Other Metals/Alloys:	35.8	0.0	175.8
Other Inorganic Material:	18.4	0.0	43.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	12.0	0.0	53.8
Rubber:	1.2	0.0	8.1
Plastics:	12.0	0.0	17.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	148.4		
Packaging Material Plastic:	32.8		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE
117, 217

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
Pu-242	1.97E-04
Pu-241	7.28E+01
Pu-240	2.73E+00
Pu-239	1.20E+01
Pu-238	4.25E-01
Am-241	1.20E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	13.6	0.0	0.0	0.0	0.0	13.6	55 Gallon Drum	12.1	0.0	0.0	0.0	0.0	12.1
Totals	13.6	0.0	0.0	0.0	0.0	13.6	SWB used to overpack 55 gallon drums	3.3	0.0	0.0	0.0	0.0	3.3
							Totals	15.4	0.0	0.0	0.0	0.0	15.4

As-Generated Form: Stored: 13.6 Projected: 0.0 Total: 13.6 Final Waste Form: Stored: 15.4 Projected: 0.0 Total: 15.4

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant. It consists of used tantalum crucibles, funnels, funnel inserts, and pour-rods. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Other metals may include tungsten, platinum, and lead. Some lead-lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (18.3%) of the MWIR waste stream, [TANTALUM] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W298, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W298	Handling: CH	NMVP #: N/A	Stream Name: TANTALUM:CH-Uncert	Inventory Date:
Local ID: ID-RFO-320T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5112

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES

APP8, F002, F001, D008

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.55E-04
Pu-241	2.43E+02
Pu-240	9.11E+00
Pu-239	4.02E+01
Pu-238	1.42E+00
Am-241	4.01E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8 **Final Waste Form:** Stored: 0.4 Projected: 0.0 Total: 0.4

WASTE STREAM DESCRIPTION	This waste comes from the Rocky Flats Plant. It consists of used tantalum crucibles, funnels, funnel inserts, and pour-rods. The waste is packaged in standard RFP fashion. Sharp metal edges are taped before packaging. Other metals may include tungsten, platinum, and lead. Some lead-lined containers are included.
WASTE STREAM SOURCE	<p>This record represents the [CH-Uncert] portion (1.17%) of the MWIR waste stream, [TANTALUM] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W298, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W300	Handling: CH	NMVP #: N/A	Stream Name: METAL WASTE: Cert-repack	Inventory Date:
Local ID: ID-RFO-117T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

AS-GENERATED EPA CODES

APP8, F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	256.1	256.1	256.1
Aluminum-base Metal/Alloys:	27.8	27.8	27.8
Other Metals/Alloys:	24.7	24.7	24.7
Other Inorganic Material:	29.3	2.3	29.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	7.4	0.0	45.3
Rubber:	0.0	0.0	0.0
Plastics:	15.1	0.0	67.6
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE

117

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	4.45E-10
U-235	3.58E-07
Pu-242	2.87E-05
Pu-241	1.06E+01
Pu-240	3.99E-01
Pu-239	1.76E+00
Pu-238	6.21E-02
Am-241	1.22E-01

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	1493.1	0.0	0.0	0.0	0.0	1493.1
Drum	16.3	0.0	0.0	0.0	0.0	16.3
Totals	1509.4	0.0	0.0	0.0	0.0	1509.4

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	1509.5	0.0	0.0	0.0	0.0	1509.5
Totals	1509.5	0.0	0.0	0.0	0.0	1509.5

As-Generated Form: Stored: 1509.4 Projected: 0.0 Total: 1509.4

Final Waste Form: Stored: 1509.5 Projected: 0.0 Total: 1509.5

WASTE STREAM DESCRIPTION	TRU metal waste consists of discarded metal. The IDCs packaged and included in 117 are 320, 321, 480, and 488.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (99.73%) of the MWIR waste stream, [METAL WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W300, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	- All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W300	Handling: CH	NMVP #: N/A	Stream Name: METAL WASTE:Direct Ship	Inventory Date:
Local ID: ID-RFO-117T	Type: MTRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**

APP8, F002, F001,
D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	227.2	227.2	227.2
Aluminum-base Metal/Alloys:	24.7	24.7	24.7
Other Metals/Alloys:	21.9	21.9	21.9
Other Inorganic Material:	26.0	2.0	26.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	6.6	0.0	40.2
Rubber:	0.0	0.0	0.0
Plastics:	13.4	0.0	60.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

117

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-238	4.45E-10
U-235	3.58E-07
Pu-242	2.87E-05
Pu-241	1.06E+01
Pu-240	3.99E-01
Pu-239	1.76E+00
Pu-238	6.21E-02
Am-241	1.22E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	4.0	0.0	0.0	0.0	0.0	4.0	55 Gallon Drum	3.7	0.0	0.0	0.0	0.0	3.7
Totals	4.0	0.0	0.0	0.0	0.0	4.0	SWB used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
							Totals	4.7	0.0	0.0	0.0	0.0	4.7

As-Generated Form: Stored: 4.0 Projected: 0.0 Total: 4.0

Final Waste Form: Stored: 4.7 Projected: 0.0 Total: 4.7

WASTE STREAM DESCRIPTION	TRU metal waste consists of discarded metal. The IDCs packaged and included in 117 are 320, 321, 480, and 488.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (.27%) of the MWIR waste stream, [METAL WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W300, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 6.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W302	Handling: CH	NMVP #: N/A	Stream Name: NONCOMPRESSIBLE, NONCOMBUSTIBLE, Direct Ship	Inventory Date:
Local ID: ID-BTO-020T	Type: MTRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotopes (Ci/m3)	
F002, F001, D002	Iron-base Metal/Alloys:	85.3	0.0	1449.4	Defense TRU Waste	N/A	U-233	1.33E-01
	Aluminum-base Metal/Alloys:	0.0	0.0	1.4	Residues: No		PU-239	1.42E-01
	Other Metals/Alloys:	0.1	0.0	20.1	Asbestos: Unknown		Am-241	7.87E-01
	Other Inorganic Material:	2.1	0.0	21.3	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources			
	Cellulosics:	71.7	0.0	163.9				
	Rubber:	6.5	0.0	14.5				
	Plastics:	57.5	0.0	132.1				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	147.3						
	Packaging Material Plastic:	33.1						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	21.2	0.0	0.0	0.0	0.0	21.2	55 Gallon Drum	18.7	0.0	0.0	0.0	0.0	18.7
Totals	21.2	0.0	0.0	0.0	0.0	21.2	SWB used to overpack 55 gallon drums	4.7	0.0	0.0	0.0	0.0	4.7
							Totals	23.4	0.0	0.0	0.0	0.0	23.4

As-Generated Form: Stored: 21.2 Projected: 0.0 Total: 21.2 Final Waste Form: Stored: 23.4 Projected: 0.0 Total: 23.4



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Bettis Atomic Power Laboratory, contains noncompressible and noncombustible items such as absolute filters, solidified chemical waste, contaminated metal equipment, furnace brick, and highly contaminated glovebox equipment. Metal scrap could include bars, sheet, fixtures, small equipment tools, etc. made of carbon steel, stainless steel, Inconel, aluminum, copper, brass, and zirconium. Chemical wastes include spent chemical solutions and associated solids from the isotope and isotopic dilution analysis of nuclear fuel specimens. The residues were neutralized before being either mixed with absorbent material or solidified.</p> <p>The organic content is less than 14 lb/ft³. Although there may be some particulate material in the waste from absolute filters, the levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.</p> <p>Individual waste items are separately packaged in plastic wrapping. Depending on size, some wrapped items are placed in (a) 3-1/4-inch diameter by 7-inches high screw-top, tin-plated steel cans, placed inside roll-seamed juice cans, or (b) larger 4-3/8-inch diameter by 20 to 24-inch high tin-plated steel cans. Chemical solutions are neutralized to a pH between 6-8 and mixed with "absorbent" in PE bottles or solidified in metal cans (which are wrapped in plastic). These items are then placed inside prepared 55-gallon drums lined with 90-mil liners. Each drum was assayed by calculated weight differences, chemical analysis, or using an assay gauge.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [NONCOMPRESSIBLE, NONCOMBUSTIBLE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W302, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W302	Handling: CH	NMVP #: N/A	Stream Name: NONCOMPRESSIBLE, NONCOMBUSTIBLE: Cert-repack	Inventory Date:
Local ID: ID-BTO-020T	Type: MTRU	Generator Site: BT	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
F002, F001, D002

	Avg	Min	Max
Iron-base Metal/Alloys:	96.2	0.0	1634.6
Aluminum-base Metal/Alloys:	0.0	0.0	1.6
Other Metals/Alloys:	0.1	0.0	22.7
Other Inorganic Material:	2.4	0.0	24.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	80.9	0.0	184.8
Rubber:	7.3	0.0	16.4
Plastics:	64.9	0.0	149.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

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

TRUCON CODE: N/A

Isotope (Ci/m3)	
U-233	1.33E-01
PU-239	1.42E-01
Am-241	7.87E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	84.8	0.0	0.0	0.0	0.0	84.8	55 Gallon Drum	84.9	0.0	0.0	0.0	0.0	84.9
Totals	84.8	0.0	0.0	0.0	0.0	84.8	Totals	84.9	0.0	0.0	0.0	0.0	84.9

As-Generated Form: Stored: 84.8 Projected: 0.0 Total: 84.8 Final Waste Form: Stored: 84.9 Projected: 0.0 Total: 84.9

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Bettis Atomic Power Laboratory, contains noncompressible and noncombustible items such as absolute filters, solidified chemical waste, contaminated metal equipment, furnace brick, and highly contaminated glovebox equipment. Metal scrap could include bars, sheet, fixtures, small equipment tools, etc. made of carbon steel, stainless steel, Inconel, aluminum, copper, brass, and zirconium. Chemical wastes include spent chemical solutions and associated solids from the isotope and isotopic dilution analysis of nuclear fuel specimens. The residues were neutralized before being either mixed with absorbent material or solidified.</p> <p>The organic content is less than 14 lb/R3. Although there may be some particulate material in the waste from absolute filters, the levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in the waste. Trace amounts of nitric acid or organic contaminants may be present.</p> <p>Individual waste items are separately packaged in plastic wrapping. Depending on size, some wrapped items are placed in (a) 3-1/4-inch diameter by 7-inches high screw-top, tin-plated steel cans, placed inside roll-seamed juice cans, or (b) larger 4-3/8-inch diameter by 20 to 24-inch high tin-plated steel cans. Chemical solutions are neutralized to a pH between 6-8 and mixed with "absorbent" in PE bottles or solidified in metal cans (which are wrapped in plastic). These items are then placed inside prepared 55-gallon drums lined with 90-mil liners. Each drum was assayed by calculated weight differences, chemical analysis, or using an assay gauge.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [NONCOMPRESSIBLE, NONCOMBUSTIBLE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W302, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W304	Handling: CH	NMVP #: N/A	Stream Name: NONCOMBUSTIBLE EQUIPMENT DRUMS:Direct Ship	Inventory Date:
Local ID: ID-MDO-825TN	Type: TRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**
N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	213.5	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	39.0	0.0	0.0
Other Inorganic Material:	83.8	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	30.2	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	1.8	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	148.5		
Packaging Material Plastic:	32.8		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: R&D/R&D Laboratory Waste

TRUCON CODE
N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.69E-06
Pu-241	1.78E-01
Pu-240	6.53E-02
Pu-239	3.09E-01
Pu-238	5.79E+01
Pu-236	2.25E-04

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	7.8	0.0	0.0	0.0	0.0	7.8	55 Gallon Drum	6.9	0.0	0.0	0.0	0.0	6.9
Totals	7.8	0.0	0.0	0.0	0.0	7.8	SWB used to overpack 55 gallon drums	1.9	0.0	0.0	0.0	0.0	1.9
							Totals	8.8	0.0	0.0	0.0	0.0	8.8

As-Generated Form: Stored: 7.6 Projected: 0.0 Total: 7.8 Final Waste Form: Stored: 8.8 Projected: 0.0 Total: 8.8

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, is similar to content code 824 except that the waste items are smaller and can fit inside drums. The stream consists of noncombustible wastes such as small tanks, piping, small valves, tools, hot plates, presses, grinders, metallurgical polishers, ringstands, concrete, floor tile, sheet metal, electric motors, pumps, metallurgical presses, dissolvers, ladders, vacuum sweeper filters, sweeper hose, and glass. Limited amounts of combustible wastes such as plastic tanks are also included.</p> <p>The organic content is less than 14 lb/ft³. Respirable fines should be within limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Some emptied cylinders and fire extinguishers with opened valves are included in the waste.</p> <p>The waste stream is packaged in drums except for one standard sized box, which should be correctly labeled content code 824. Some items are wiped down prior to packaging. Each item is generally single or double contained in plastic. Florco absorbent is added to the bottom of each drum. Plywood spacers are added between the drum liner and the drum lid. Each barrel is assayed.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (11.42%) of the MWIR waste stream, [NONCOMBUSTIBLE EQUIPMENT DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W304, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W304	Handling: CH	NMVP #: N/A	Stream Name: NONCOMBUSTIBLE EQUIPMENT DRUMS: Cert-repack	Inventory Date:
Local ID: ID-MDO-825TN	Type: TRU	Generator Site: MD	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5112

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	243.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	44.4	0.0	0.0
Other Inorganic Material:	95.1	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	34.4	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	2.1	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.69E-06
Pu-241	1.78E-01
Pu-240	6.53E-02
Pu-239	3.09E-01
Pu-238	5.79E+01
Pu-236	2.25E-04

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	28.5	0.0	0.0	0.0	0.0	28.5	55 Gallon Drum	59.1	0.0	0.0	0.0	0.0	59.1
Drum	30.3	0.0	0.0	0.0	0.0	30.3	Totals	59.1	0.0	0.0	0.0	0.0	59.1
Totals	58.8	0.0	0.0	0.0	0.0	58.8							

As-Generated Form: Stored: 58.8 Projected: 0.0 Total: 58.8

Final Waste Form: Stored: 59.1 Projected: 0.0 Total: 59.1



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, is similar to content code 824 except that the waste items are smaller and can fit inside drums. The stream consists of noncombustible wastes such as small tanks, piping, small valves, tools, hot plates, presses, grinders, metallurgical polishers, ringstands, concrete, floor tile, sheet metal, electric motors, pumps, metallurgical presses, dissolvers, ladders, vacuum sweeper filters, sweeper hose, and glass. Limited amounts of combustible wastes such as plastic tanks are also included.</p> <p>The organic content is less than 14 lb/ft³. Respirable fines should be within limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste. Some emptied cylinders and fire extinguishers with opened valves are included in the waste.</p> <p>The waste stream is packaged in drums except for one standard sized box, which should be correctly labeled content code 824. Some items are wiped down prior to packaging. Each item is generally single or double contained in plastic. Florco absorbent is added to the bottom of each drum. Plywood spacers are added between the drum liner and the drum lid. Each barrel is assayed.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (88.56%) of the MWIR waste stream, [NONCOMBUSTIBLE EQUIPMENT DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk [WPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W304, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W305	Handling: CH	NMVP #: N/A	Stream Name: PLASTIC, TYGON, MANIPULATOR BOOTS, ETC.:Cert-repack	Inventory Date:
Local ID: ID-MDO-804TN	Type: TRU	Generator Site: MD	Final Waste Form: Combustible	Waste Matrix Code: S5440

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:			Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	55.3	0.0	0.0	Defense TRU Waste	N/A	Pu-238	1.02E+02
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No			
	Other Metals/Alloys:	6.0	0.0	0.0	Asbestos: Unknown			
	Other Inorganic Material:	12.5	0.0	0.0	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Remediation/D&D Waste			
	Cellulosics:	31.3	0.0	0.0				
	Rubber:	39.9	0.0	0.0				
	Plastics:	95.9	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	37.3	0.0	0.0	0.0	0.0	37.3	55 Gallon Drum	37.4	0.0	0.0	0.0	0.0	37.4
Totals	37.3	0.0	0.0	0.0	0.0	37.3	Totals	37.4	0.0	0.0	0.0	0.0	37.4

As-Generated Form: Stored: 37.3 Projected: 0.0 Total: 37.3 Final Waste Form: Stored: 37.4 Projected: 0.0 Total: 37.4

WASTE STREAM DESCRIPTION

This waste stream is from Mound Laboratory and consists of various types of plastics (PVC, PE tygon, etc.) in the form of tubing, piping, sample vials, gaskets, manipulator, boots, etc. Limited amounts of other combustible wastes from content codes 801, and 802 may also be included. One drum contains content code 832, liquid mercury which can be easily removed and is not included in the waste matrix composition. The wastes are primarily from D&D activities at the plutonium processing and research buildings. Waste was shipped only in 1977. Limited amounts of waste may be damp.

The average waste organic material content usually exceeds 14 lb/ft³ for drums. Levels of fines from glove box cleaning should be within compressed gases, pyrophoric, toxic, or corrosive materials.

Combustibles were packed into 1 gallon plastic coated cardboard cartons. Each carton was labeled, assayed and bagged into a sleeve bag which holds 5 cartons. Up to eight sleeve bags were placed in each drum. Drums were prepared according to post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [PLASTIC, TYGON, MANIPULATOR BOOTS, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W305, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W305	Handling: CH	NMVP #: N/A	Stream Name: PLASTIC, TYGON, MANIPULATOR BOOTS, ETC.: Direct Ship	Inventory Date:
Local ID: ID-MDO-804TN	Type: TRU	Generator Site: MD	Final Waste Form: Combustible	Waste Matrix Code: S5440

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		Isotope (Ci/m3)
N/A	Iron-base Metal/Alloys: 48.4 0.0 0.0	Defense TRU Waste	N/A	Pu-238 1.02E+02
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		
	Other Metals/Alloys: 5.3 0.0 0.0	Asbestos: Unknown		
	Other Inorganic Material: 11.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Remediation/D&D Waste		
	Cellulosics: 27.4 0.0 0.0			
	Rubber: 34.9 0.0 0.0			
	Plastics: 84.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 148.9			
	Packaging Material Plastic: 32.7			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	9.3	0.0	0.0	0.0	0.0	9.3	55 Gallon Drum	8.3	0.0	0.0	0.0	0.0	8.3
Totals	9.3	0.0	0.0	0.0	0.0	9.3	SWB used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
							Totals	10.7	0.0	0.0	0.0	0.0	10.7

As-Generated Form: Stored: 9.3 Projected: 0.0 Total: 9.3 Final Waste Form: Stored: 10.7 Projected: 0.0 Total: 10.7

WASTE STREAM DESCRIPTION

This waste stream is from Mound Laboratory and consists of various types of plastics (PVC, PE tygon, etc.) in the form of tubing, piping, sample vials, gaskets, manipulator, boots, etc. Limited amounts of other combustible wastes from content codes 801, and 802 may also be included. One drum contains content code 832, liquid mercury which can be easily removed and is not included in the waste matrix composition. The wastes are primarily from D&D activities at the plutonium processing and research buildings. Waste was shipped only in 1977. Limited amounts of waste may be damp.

The average waste organic material content usually exceeds 14 lb/ft³ for drums. Levels of fines from glove box cleaning should be within compressed gases, pyrophoric, toxic, or corrosive materials.

Combustibles were packed into 1 gallon plastic coated cardboard cartons. Each carton was labeled, assayed and bagged into a sleeve bag which holds 5 cartons. Up to eight sleeve bags were placed in each drum. Drums were prepared according to post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [PLASTIC, TYGON, MANIPULATOR BOOTS, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W305, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W306	Handling: CH	NMVP #: N/A	Stream Name: PRE-73 DRUMS:CH-Uncert	Inventory Date:
Local ID: ID-RFO-9999T	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S9000

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES	Avg	Min	Max	Category: Defense TRU Waste	TRUCON CODE N/A	FINAL FORM RADIONUCLIDES N/A
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Residues: No	
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Asbestos: Unknown	
	Other Metals/Alloys:	0.0	0.0	0.0	PCBs: No	
	Other inorganic Material:	0.0	0.0	0.0	Source: Other/Multiple Sources	
	Vitrified:	2500.0	2500.0	2500.0		
	Cellulosics:	0.0	0.0	0.0		
	Rubber:	0.0	0.0	0.0		
	Plastics:	0.0	0.0	0.0		
	Solidified Inorganic Material:	0.0	0.0	0.0		
	Solidified Organic Material:	0.0	0.0	0.0		
	Cement (solidified):	0.0	0.0	0.0		
	Soils:	0.0	0.0	0.0		
	Packaging Material Steel:	131.0				
	Packaging Material Plastic:	0.0				
	Packaging Material Lead:	0.0				
	Packaging Material Steel Plug:	0.0				

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1246.6	0.0	0.0	0.0	0.0	1246.6	55 Gallon Drum	187.2	0.0	0.0	0.0	0.0	187.2
Totals	1246.6	0.0	0.0	0.0	0.0	1246.6	Totals	187.2	0.0	0.0	0.0	0.0	187.2

As-Generated Form: Stored: 1246.6 Projected: 0.0 Total: 1246.6 Final Waste Form: Stored: 187.2 Projected: 0.0 Total: 187.2



WASTE STREAM DESCRIPTION	This is not an official Item Description Code (IDC). It was created to represent IDC zero (0) wastes which were generated prior to 1973, but were not adequately tracked to presently identify specific waste streams. As the mission at Rocky Flats changed very little during the years of operation, it is expected that waste streams generated after 1973 are similar to the pre-1973 waste streams.
WASTE STREAM SOURCE	<p>This record represents the [CH-Uncert] portion (27.63%) of the MWIR waste stream, [PRE-73 DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W306, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	This waste is from two early retrieval projects (IDC 000) or was received prior to 1973 (IDC 9999) when waste tracking on a container basis started. It is expected that when the waste is retrieved and examined, it can be properly assigned to an existing IDC.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.f.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W306	Handling: CH	NMVP #: N/A	Stream Name: PRE-73 DRUMS:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-9999T	Type: TRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S9000

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max			
N/A	Iron-base Metal/Alloys: 96.2 0.0 1634.6	Category: Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys: 0.0 0.0 1.6	Residues: No		
	Other Metals/Alloys: 0.1 0.0 22.7	Asbestos: Unknown		
	Other Inorganic Material: 2.4 0.0 24.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Other/Multiple Sources		
	Cellulosics: 80.9 0.0 184.8			
	Rubber: 7.3 0.0 16.4			
	Plastics: 64.9 0.0 149.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 0.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2361.3	0.0	0.0	0.0	0.0	2361.3	55 Gallon Drum	2361.2	0.0	0.0	0.0	0.0	2361.2
Totals	2361.3	0.0	0.0	0.0	0.0	2361.3	Totals	2361.2	0.0	0.0	0.0	0.0	2361.2

As-Generated Form: Stored: 2361.3 Projected: 0.0 Total: 2361.3 Final Waste Form: Stored: 2361.2 Projected: 0.0 Total: 2361.2

WASTE STREAM DESCRIPTION	This is not an official Item Description Code (IDC). It was created to represent IDC zero (0) wastes which were generated prior to 1973, but were not adequately tracked to presently identify specific waste streams. As the mission at Rocky Flats changed very little during the years of operation, it is expected that waste streams generated after 1973 are similar to the pre-1973 waste streams.
WASTE STREAM SOURCE	<p>This record represents the [CH-Cert-repack] portion (52.33%) of the MWIR waste stream, [PRE-73 DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W306, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	This waste is from two early retrieval projects (IDC 000) or was received prior to 1973 (IDC 9999) when waste tracking on a container basis started. It is expected that when the waste is retrieved and examined, it can be properly assigned to an existing IDC.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W306	Handling: RH	NMVP #: N/A	Stream Name: PRE-73 DRUMS:RH-Uncert	Inventory Date:
Local ID: ID-RFO-9999T	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S9000

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
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N/A	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>2500.0</td><td>2500.0</td><td>2500.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>526.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>26.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>464.7</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>2145.1</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	2500.0	2500.0	2500.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	526.0			Packaging Material Plastic:	26.0			Packaging Material Lead:	464.7			Packaging Material Steel Plug:	2145.1			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Other/Multiple Sources	N/A	N/A
	Avg	Min	Max																																																																					
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Aluminum-base Metal/Alloys:	0.0	0.0	0.0																																																																					
Other Metals/Alloys:	0.0	0.0	0.0																																																																					
Other Inorganic Material:	0.0	0.0	0.0																																																																					
Vitrified:	2500.0	2500.0	2500.0																																																																					
Cellulosics:	0.0	0.0	0.0																																																																					
Rubber:	0.0	0.0	0.0																																																																					
Plastics:	0.0	0.0	0.0																																																																					
Solidified Inorganic Material:	0.0	0.0	0.0																																																																					
Solidified Organic Material:	0.0	0.0	0.0																																																																					
Cement (solidified):	0.0	0.0	0.0																																																																					
Soils:	0.0	0.0	0.0																																																																					
Packaging Material Steel:	526.0																																																																							
Packaging Material Plastic:	26.0																																																																							
Packaging Material Lead:	464.7																																																																							
Packaging Material Steel Plug:	2145.1																																																																							

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2

WASTE STREAM DESCRIPTION	This is not an official Item Description Code (IDC). It was created to represent IDC zero (0) wastes which were generated prior to 1973, but were not adequately tracked to presently identify specific waste streams. As the mission at Rocky Flats changed very little during the years of operation, it is expected that waste streams generated after 1973 are similar to the pre-1973 waste streams.
WASTE STREAM SOURCE	<p>This record represents the [RH-Uncert] portion (.02%) of the MWIR waste stream, [PRE-73 DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W306, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	This waste is from two early retrieval projects (IDC 000) or was received prior to 1973 (IDC 9999) when waste tracking on a container basis started. It is expected that when the waste is retrieved and examined, it can be properly assigned to an existing IDC.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W306	Handling: RH	NMVP #: N/A	Stream Name: PRE-73 DRUMS:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-9999T	Type: TRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S9000

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	67.5	0.0	1148.1
Aluminum-base Metal/Alloys:	0.0	0.0	1.1
Other Metals/Alloys:	0.1	0.0	15.9
Other Inorganic Material:	1.7	0.0	16.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	56.7	0.0	129.6
Rubber:	5.1	0.0	11.5
Plastics:	45.5	0.0	104.5
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	484.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE	N/A	FINAL FORM RADIONUCLIDES	N/A
Residues:	No				
Asbestos:	Unknown				
PCBs:	No				
Source:	Other/Multiple Sources				

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	RH Canister used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	2.4	0.0	0.0	0.0	0.0	2.4

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8

Final Waste Form: Stored: 2.4 Projected: 0.0 Total: 2.4

WASTE STREAM DESCRIPTION	This is not an official Item Description Code (IDC). It was created to represent IDC zero (0) wastes which were generated prior to 1973, but were not adequately tracked to presently identify specific waste streams. As the mission at Rocky Flats changed very little during the years of operation, it is expected that waste streams generated after 1973 are similar to the pre-1973 waste streams.
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (.02%) of the MWIR waste stream, [PRE-73 DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W306, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	This waste is from two early retrieval projects (IDC 000) or was received prior to 1973 (IDC 9999) when waste tracking on a container basis started. It is expected that when the waste is retrieved and examined, it can be properly assigned to an existing IDC.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W306	Handling: CH	NMVP #: N/A	Stream Name: PRE-73 DRUMS: Direct Ship	Inventory Date:
Local ID: ID-RFO-9999T	Type: TRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S9000

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		
N/A	Iron-base Metal/Alloys: 96.2 0.0 1634.6	Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys: 0.0 0.0 1.6	Residues: No		
	Other Metals/Alloys: 0.1 0.0 22.7	Asbestos: Unknown		
	Other Inorganic Material: 2.4 0.0 24.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Other/Multiple Sources		
	Cellulosics: 80.9 0.0 184.8			
	Rubber: 7.3 0.0 16.4			
	Plastics: 64.9 0.0 149.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 0.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	902.3	0.0	0.0	0.0	0.0	902.3	55 Gallon Drum	797.1	0.0	0.0	0.0	0.0	797.1
Totals	902.3	0.0	0.0	0.0	0.0	902.3	SWB used to overpack 55 gallon drums	201.8	0.0	0.0	0.0	0.0	201.8
							Totals	998.8	0.0	0.0	0.0	0.0	998.8

As-Generated Form: Stored: 902.3 Projected: 0.0 Total: 902.3 Final Waste Form: Stored: 998.8 Projected: 0.0 Total: 998.8

WASTE STREAM DESCRIPTION	This is not an official Item Description Code (IDC). It was created to represent IDC zero (0) wastes which were generated prior to 1973, but were not adequately tracked to presently identify specific waste streams. As the mission at Rocky Flats changed very little during the years of operation, it is expected that waste streams generated after 1973 are similar to the pre-1973 waste streams.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [PRE-73 DRUMS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W306, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	This waste is from two early retrieval projects (IDC 000) or was received prior to 1973 (IDC 9999) when waste tracking on a container basis started. It is expected that when the waste is retrieved and examined, it can be properly assigned to an existing IDC.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W308	Handling: CH	NMVP #: N/A	Stream Name: NOT RECORDED - UNKNOWN:CH-Uncertifiable	Inventory Date:
Local ID: ID-RFO-000T	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S9000

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (CI/m3)
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	4.03E-08
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	1.49E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	5.60E-02
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	2.44E+00
	Vitrified:	2500.0	2500.0	2500.0	Source: Other/Multiple Sources		Pu-238	3.23E-01
	Cellulosics:	0.0	0.0	0.0			Am-241	5.67E+00
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-87	98-02	03-12	13-22	Totals	Container	Stored	Pre-87	98-02	03-12	13-22	Totals
Bin	252.0	0.0	0.0	0.0	0.0	252.0	55 Gallon Drum	503.6	0.0	0.0	0.0	0.0	503.6
Drum	3104.1	0.0	0.0	0.0	0.0	3104.1	Totals	503.6	0.0	0.0	0.0	0.0	503.6
Totals	3356.1	0.0	0.0	0.0	0.0	3356.1							

As-Generated Form: Stored: 3356.1 Projected: 0.0 Total: 3356.1 Final Waste Form: Stored: 503.6 Projected: 0.0 Total: 503.6

WASTE STREAM DESCRIPTION	This waste stream was received prior to 1973. As container specific information was not entered into the database prior to 1973, these wastes are uncategorized. It is expected to be similar to other Rocky Flats wastes received since 1973.
WASTE STREAM SOURCE	This record represents the [CH-Uncertifiable] portion (81.07%) of the MWIR waste stream, [NOT RECORDED - UNKNOWN] after processing. The proposed processing sequence is [SWEPP:segpk IVPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W308, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	This waste is from two early retrieval projects (IDC 000) or was received prior to 1973 (IDC 9999) when waste tracking on a container basis started. It is expected that when the waste is retrieved and examined, it can be properly assigned to an existing IDC.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W308	Handling: RH	NMVP #: N/A	Stream Name: NOT RECORDED - UNKNOWN:RH-Uncertifiable	Inventory Date:
Local ID: ID-RFO-000T	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S9000

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max			Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	Pu-242	4.03E-06
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	1.49E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	5.60E-02
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	2.44E+00
	Vitrified:	2500.0	2500.0	2500.0	Source: Other/Multiple Sources		Pu-238	3.23E-01
	Cellulosics:	0.0	0.0	0.0			Am-241	5.67E+00
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	526.0						
	Packaging Material Plastic:	26.0						
	Packaging Material Lead:	464.7						
	Packaging Material Steel Plug:	2145.1						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.5	0.0	0.0	0.0	0.0	1.5	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	1.5	0.0	0.0	0.0	0.0	1.5	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 1.5 Projected: 0.0 Total: 1.5 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2

WASTE STREAM DESCRIPTION	This waste stream was received prior to 1973. As container specific information was not entered into the database prior to 1973, these wastes are uncategorized. It is expected to be similar to other Rocky Flats wastes received since 1973.
WASTE STREAM SOURCE	<p>This record represents the [RH-Uncertifiable] portion (.04%) of the MWIR waste stream, [NOT RECORDED - UNKNOWN] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitri TRANS:trans WIPP:diap]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W308, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	This waste is from two early retrieval projects (IDC 000) or was received prior to 1973 (IDC 9999) when waste tracking on a container basis started. It is expected that when the waste is retrieved and examined, it can be properly assigned to an existing IDC.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W308	Handling: CH	NMVP #: N/A	Stream Name: NOT RECORDED - UNKNOWN:Direct Ship	Inventory Date:
Local ID: ID-RFO-000T	Type: TRU	Generator Site: RF	Final Waste Form: Heterogeneous	Waste Matrix Code: S9000

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE:	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Other/Multiple Sources		

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m ³)	
Pu-242	6.04E-07
Pu-241	2.24E-01
Pu-240	8.40E-03
Pu-239	3.66E-01
Pu-238	4.85E-02
Am-241	8.51E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	782.1	0.0	0.0	0.0	0.0	782.1	55 Gallon Drum	690.6	0.0	0.0	0.0	0.0	690.6
Totals	782.1	0.0	0.0	0.0	0.0	782.1	SWB used to overpack 55 gallon drums	174.4	0.0	0.0	0.0	0.0	174.4
							Totals	864.9	0.0	0.0	0.0	0.0	864.9

As-Generated Form: Stored: 782.1 Projected: 0.0 Total: 782.1 Final Waste Form: Stored: 864.9 Projected: 0.0 Total: 864.9



WASTE STREAM DESCRIPTION	This waste stream was received prior to 1973. As container specific information was not entered into the database prior to 1973, these wastes are uncategorized. It is expected to be similar to other Rocky Flats wastes received since 1973.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (18.89%) of the L.WJR waste stream, [NOT RECORDED - UNKNOWN] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W308, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	N/A
MANAGEMENT COMMENTS	This waste is from two early retrieval projects (IDC 000) or was received prior to 1973 (IDC 9999) when waste tracking on a container basis started. It is expected that when the waste is retrieved and examined, it can be properly assigned to an existing IDC.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W309	Handling: CH	NMVP #: N/A	Stream Name: ORGANIC SETUPS, OIL SOLIDS:Uncert	Inventory Date:
Local ID: ID-RFO-003T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3114

AS-GENERATED EPA CODES

APP8, F004, F002, F001, D011, D005

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
Pu-242	1.35E-05
Pu-241	5.01E+00
Pu-240	1.88E-01
Pu-239	8.30E-01
Pu-238	2.93E-02
Am-241	1.04E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	216.7	0.0	0.0	0.0	0.0	216.7	55 Gallon Drum	108.6	0.0	0.0	0.0	0.0	108.6
Totals	216.7	0.0	0.0	0.0	0.0	216.7	Totals	108.6	0.0	0.0	0.0	0.0	108.6

As-Generated Form: Stored: 216.7 Projected: 0.0 Total: 216.7 Final Waste Form: Stored: 108.6 Projected: 0.0 Total: 108.6

WASTE STREAM DESCRIPTION	Organic setups are produced from treatment of liquid organic wastes generated by various plutonium and nonplutonium operations. The organic wastes are mixed with calcium silicate to form a grease or paste-like material. Small amounts of oil-dri absorbent are usually mixed with the waste. Organic wastes such as degreasing agents (primarily trichloroethane), lathe coolant (machining oil and carbon tetrachloride), and hydraulic oils are generated primarily by plutonium fabrication operations. Other organic wastes include carbon tetrachloride; trichloroethylene; hydraulic, gearbox, and spindle oils; and trace concentrations of miscellaneous organic laboratory wastes. (organophosphates, nitrobenzene, etc.) In addition, unknown volumes of oil containing polychlorinated biphenyls (PCB) were processed with other organic wastes until 1979. Degreasing solvents generated by Building 444 operations are contaminated with beryllium. The PCB-contaminated wastes will be treated to meet WIPP-WAC.
WASTE STREAM SOURCE	This record represents the [Uncert] portion (38.07%) of the MWIR waste stream, [ORGANIC SETUPS, OIL SOLIDS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W309, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W309	Handling: CH	NMVP #: N/A	Stream Name: ORGANIC SETUPS, OIL SOLIDS: Cert-repack	Inventory Date:
Local ID: ID-RFO-003T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3114

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
APP8, F004, F002, F001, D011, D005

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	11.3	0.0	40.6
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	10.6	0.0	25.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	882.0	692.0	1072.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste
Residues: No
Asbestos: Unknown
PCBs: No
Source: Materials Production/Recovery Effluents

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Isotope (Ci/m3)	
Pu-242	6.78E-06
Pu-241	2.51E+00
Pu-240	9.42E-02
Pu-239	4.15E-01
Pu-238	1.47E-02
Am-241	5.18E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	19.0	0.0	0.0	0.0	0.0	19.0	55 Gallon Drum	352.8	0.0	0.0	0.0	0.0	352.8
Drum	333.7	0.0	0.0	0.0	0.0	333.7	Totals	352.8	0.0	0.0	0.0	0.0	352.8
Totals	352.7	0.0	0.0	0.0	0.0	352.7							

As-Generated Form: Stored: 352.7 Projected: 0.0 Total: 352.7 Final Waste Form: Stored: 352.8 Projected: 0.0 Total: 352.8



WASTE STREAM DESCRIPTION	<p>Organic setups are produced from treatment of liquid organic wastes generated by various plutonium and nonplutonium operations. The organic wastes are mixed with calcium silicate to form a grease or paste-like material. Small amounts of oil-dri absorbent are usually mixed with the waste.</p> <p>Organic wastes such as degreasing agents (primarily trichloroethane), lathe coolant (machining oil and carbon tetrachloride), and hydraulic oils are generated primarily by plutonium fabrication operations. Other organic wastes include carbon tetrachloride; trichloroethylene; hydraulic, gearbox, and spindle oils; and trace concentrations of miscellaneous organic laboratory wastes. (organophosphates, nitrobenzene, etc.) Degreasing solvents generated by Building 444 operations are contaminated with beryllium.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (61.93%) of the MWIR waste stream, [ORGANIC SETUPS, OIL SOLIDS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W309, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W311	Handling: CH	NMVP #: N/A	Stream Name: MOLTEN SALTS - 30% UNPULVERIZED: Cert-repack	Inventory Date:
Local ID: ID-RFO-409T	Type: MTRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

**AS-GENERATED
EPA CODES**

APP8, F001, D028

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	28.8	0.0	57.7
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	117.0	22.9	212.0
Other Inorganic Material:	49.8	47.5	52.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	13.1	0.0	26.2
Rubber:	0.0	0.0	0.0
Plastics:	10.2	6.6	13.8
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	5.90E-04
Pu-241	2.18E+02
Pu-240	8.21E+00
Pu-239	3.62E+01
Pu-238	1.28E+00
Am-241	1.13E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
Drum	5.3	0.0	0.0	0.0	0.0	5.3	55 Gallon Drum	5.4	0.0	0.0	0.0	0.0	5.4
Totals	5.3	0.0	0.0	0.0	0.0	5.3	Totals	5.4	0.0	0.0	0.0	0.0	5.4

As-Generated Form: Stored: 5.3 Projected: 0.0 Total: 5.3

Final Waste Form: Stored: 5.4 Projected: 0.0 Total: 5.4



WASTE STREAM DESCRIPTION	This waste was generated at Rocky Flats Plant in a molten salt extraction process to remove americium from plutonium metal. The salt is a sodium/potassium/magnesium chloride, with some entrained magnesium and various americium and plutonium compounds.
WASTE STREAM SOURCE	<p>This record represents the (Cert-repack) portion (80%) of the MWIR waste stream, [MOLTEN SALTS - 30% UNPULVERIZED] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W311, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W311	Handling: CH	NMVP #: N/A	Stream Name: MOLTEN SALTS - 30% UNPULVERIZED: Direct Ship	Inventory Date:
Local ID: ID-RFO-409T	Type: MTRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
APP8, F001, D028

	Avg	Min	Max
Iron-base Metal/Alloys:	24.4	0.0	48.8
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	98.9	19.4	179.3
Other Inorganic Material:	42.1	40.2	44.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	11.1	0.0	22.2
Rubber:	0.0	0.0	0.0
Plastics:	8.6	5.6	11.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	153.2		
Packaging Material Plastic:	31.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category: Defense TRU Waste N/A

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

Isotope	CI/m3
Pu-242	5.90E-04
Pu-241	2.18E+02
Pu-240	8.21E+00
Pu-239	3.62E+01
Pu-238	1.28E+00
Am-241	1.13E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3	55 Gallon Drum	1.2	0.0	0.0	0.0	0.0	1.2
Totals	1.3	0.0	0.0	0.0	0.0	1.3	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.7	0.0	0.0	0.0	0.0	1.7

As-Generated Form: Stored: Projected: Total: **Final Waste Form:** Stored: Projected: Total:

WASTE STREAM DESCRIPTION	This waste was generated at Rocky Flats Plant in a molten salt extraction process to remove americium from plutonium metal. The salt is a sodium/potassium/magnesium chloride, with some entrained magnesium and various americium and plutonium compounds.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [MOLTEN SALTS - 30% UNPULVERIZED] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W311, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W312	Handling: CH	NMVP #: N/A	Stream Name: CERTIFIED TRU PYROCHEMICAL SALT WASTE:Direct Ship	Inventory Date:
Local ID: ID-RFO-124TN	Type: TRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
APP8

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	172.8	40.0	441.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	165.9		
Packaging Material Plastic:	28.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

Category:	Defense TRU Waste
Residues:	No
Asbestos:	No
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE	124
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Isotope (Ci/m3)	
Pu-242	7.95E-04
Pu-241	2.94E+02
Pu-240	1.10E+01
Pu-239	4.87E+01
Pu-238	1.72E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.1	0.0	0.0	0.0	0.0	1.1

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6 Final Waste Form: Stored: 1.1 Projected: 0.0 Total: 1.1

WASTE STREAM DESCRIPTION	Pyrochemical salt consists of used chloride salts from pyrochemical processes such as electrorefining, molten salt extraction or direct oxide reduction. Very little additional information is available about this content code. This content code includes IDC 411.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [CERTIFIED TRU PYROCHEMICAL SALT WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W312, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W312	Handling: CH	NMVP #: N/A	Stream Name: CERTIFIED TRU PYROCHEMICAL SALT WASTE: Cert-repack	Inventory Date:
Local ID: ID-RFO-124TN	Type: TRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																
APP8	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>228.0</td><td>52.8</td><td>582.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>37.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	228.0	52.8	582.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	37.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: No PCBs: No Source: Materials Production/Recovery Effluents	124	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>Pu-242</td><td>7.95E-04</td></tr> <tr><td>Pu-241</td><td>2.94E+02</td></tr> <tr><td>Pu-240</td><td>1.10E+01</td></tr> <tr><td>Pu-239</td><td>4.87E+01</td></tr> <tr><td>Pu-238</td><td>1.72E+00</td></tr> </tbody> </table>	Isotope (Ci/m3)		Pu-242	7.95E-04	Pu-241	2.94E+02	Pu-240	1.10E+01	Pu-239	4.87E+01	Pu-238	1.72E+00
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.5	0.0	0.0	0.0	0.0	2.5	55 Gallon Drum	2.7	0.0	0.0	0.0	0.0	2.7
Totals	2.5	0.0	0.0	0.0	0.0	2.5	Totals	2.7	0.0	0.0	0.0	0.0	2.7

As-Generated Form: Stored: 2.5 Projected: 0.0 Total: 2.5 Final Waste Form: Stored: 2.7 Projected: 0.0 Total: 2.7



WASTE STREAM DESCRIPTION	Pyrochemical salt consists of used chloride salts from pyrochemical processes such as electrorefining, molten salt extraction or direct oxide reduction. Very little additional information is available about this content code. This content code includes IDC 411.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [CERTIFIED TRU PYROCHEMICAL SALT WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W312, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W314	Handling: CH	NMVP #: N/A	Stream Name: DIRECT OXIDE REDUCTION SALT: Cert-repack	Inventory Date:
Local ID: ID-RFO-414T	Type: MTRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3140

**AS-GENERATED
EPA CODES**

APP8, F001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	22.1	22.1	22.1
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	149.0	149.0	149.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	35.0	35.0	35.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.86E-04
Pu-241	2.54E+02
Pu-240	9.55E+00
Pu-239	4.21E+01
Pu-238	1.49E+00
Am-241	8.42E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	1.0	0.0	0.0	0.0	0.0	1.0

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8 Final Waste Form: Stored: 1.0 Projected: 0.0 Total: 1.0

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of chunks of salt generated in a direct oxide reduction process to reduce calcined plutonium to plutonium metal. The salt consists of calcium chloride with calcium oxide and calcium metal, as well as various plutonium compounds, entrained in the salt.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [DIRECT OXIDE REDUCTION SALT] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W314, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W314	Handling: CH	NMVP #: N/A	Stream Name: DIRECT OXIDE REDUCTION SALT: Direct Ship	Inventory Date:
Local ID: ID-RFO-414T	Type: MTRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3140

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																		
APP8, F001	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>13.5</td><td>13.5</td><td>13.5</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>90.8</td><td>90.8</td><td>90.8</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>21.3</td><td>21.3</td><td>21.3</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>187.2</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>23.5</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	13.5	13.5	13.5	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	90.8	90.8	90.8	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	21.3	21.3	21.3	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	187.2			Packaging Material Plastic:	23.5			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Materials Production/Recovery Effluents	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>Pu-242</td><td>6.86E-04</td></tr> <tr><td>Pu-241</td><td>2.54E+02</td></tr> <tr><td>Pu-240</td><td>9.55E+00</td></tr> <tr><td>Pu-239</td><td>4.21E+01</td></tr> <tr><td>Pu-238</td><td>1.49E+00</td></tr> <tr><td>Am-241</td><td>8.42E-02</td></tr> </tbody> </table>	Isotope (Ci/m3)		Pu-242	6.86E-04	Pu-241	2.54E+02	Pu-240	9.55E+00	Pu-239	4.21E+01	Pu-238	1.49E+00	Am-241	8.42E-02
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Vitrified:	0.0	0.0	0.0																																																																																			
Cellulosics:	0.0	0.0	0.0																																																																																			
Rubber:	0.0	0.0	0.0																																																																																			
Plastics:	21.3	21.3	21.3																																																																																			
Solidified Inorganic Material:	0.0	0.0	0.0																																																																																			
Solidified Organic Material:	0.0	0.0	0.0																																																																																			
Cement (solidified):	0.0	0.0	0.0																																																																																			
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7



WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of chunks of salt generated in a direct oxide reduction process to reduce calcined plutonium to plutonium metal. The salt consists of calcium chloride with calcium oxide and calcium metal, as well as various plutonium compounds, entrained in the salt.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [DIRECT OXIDE REDUCTION SALT] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W314, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W315	Handling: CH	NMVP #: N/A	Stream Name: EVAPORATOR SALTS	Inventory Date:
Local ID: ID-RFO-005T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3143

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
D001	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	1.34E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	4.97E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	1.87E-01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	8.24E-01
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources		Pu-238	2.91E-02
	Cellulosics:	0.0	0.0	0.0			Am-241	6.48E+01
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.6	0.0	0.0	0.0	0.0	0.6	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6 Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4



WASTE STREAM DESCRIPTION

Waste is generated at Rocky Flats Plant from aqueous waste treatment in building 774. Waste consists of a salt residue generated from concentrating and drying liquid waste from the solar evaporation ponds. The approximate chemical makeup of the salt is 60% sodium nitrate, 30% potassium nitrate, and 10% miscellaneous. Limited amounts of other wastes such as surgeons' gloves, paper, rags, and metal may be found in the waste drums. Portland cement was added to damp or wet salt when necessary.

The majority of salt drums in storage at the INEL should be contaminated with <10 nCi/g TRU. Salt waste is no longer shipped to the INEL.

Since 1972, drums have been inspected for free liquids, proper packaging, and use of the proper content code. After inspection, approximately 1 to 2 quarts of Oil-Dri was placed on top of the outer sealed polyethylene drum bag.

WASTE STREAM SOURCE

This waste stream was generated at Building 774: Aqueous Waste Treatment.. The generating process is: Concentrating and drying liquid waste.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W317	Handling: CH	NMVP #: N/A	Stream Name: LEACHED AND CEMENTED RESIN:CH-Uncert	Inventory Date:
Local ID: ID-RFO-432T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3211

AS-GENERATED EPA CODES WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

APP8, F002, F001, D008	Iron-base Metal/Alloys:	Avg: 0.0	Min: 0.0	Max: 0.0	Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Materials Production/Recovery Effluents	N/A	Isotope (Ci/m3)	
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0			Pu-242	3.39E-04
	Other Metals/Alloys:	0.0	0.0	0.0			Pu-241	1.26E+02
	Other Inorganic Material:	0.0	0.0	0.0			Pu-240	4.72E+00
	Vitrified:	2500.0	2500.0	2500.0			Pu-239	2.08E+01
	Cellulosics:	0.0	0.0	0.0			Pu-238	7.35E-01
	Rubber:	0.0	0.0	0.0			Am-241	5.46E+00
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION This waste, generated at the Rocky Flats Plant, consists of anion and cation exchange resins used in the purification and recovery of plutonium and americium, respectively. The resins are leached and cemented before disposal.

WASTE STREAM SOURCE This record represents the [CH-Uncert] portion (.46%) of the MWIR waste stream, [LEACHED AND CEMENTED RESIN] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W317, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W317	Handling: RH	NMVP #: N/A	Stream Name: LEACHED AND CEMENTED RESIN:RH-Cert-repack	Inventory Date:
Local ID: ID-RFO-432T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3211

AS-GENERATED EPA CODES

APP8, F002, F001, D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	526.0		
Packaging Material Plastic:	26.0		
Packaging Material Lead:	464.7		
Packaging Material Steel Plug:	2145.1		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: Unknown
 PCBs: No
 Source: Materials Production/Recovery Effluents

TRUCON CODE

226

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.70E-04
Pu-241	6.28E+01
Pu-240	2.36E+00
Pu-239	1.04E+01
Pu-238	3.67E-01
Am-241	2.73E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.1	0.0	0.0	0.0	0.0	2.1	RH Canister used to overpack 55 gallon drums	3.6	0.0	0.0	0.0	0.0	3.6
Totals	2.1	0.0	0.0	0.0	0.0	2.1	Totals	3.6	0.0	0.0	0.0	0.0	3.6

As-Generated Form: Stored: 2.1 Projected: 0.0 Total: 2.1 Final Waste Form: Stored: 3.6 Projected: 0.0 Total: 3.6

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of anion and cation exchange resins used in the purification and recovery of plutonium and americium, respectively. The resins are leached and cemented before disposal.
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (4%) of the MWIR waste stream, [LEACHED AND CEMENTED RESIN] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W317, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

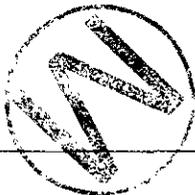
HQ ID: IN-W317	Handling: CH	NMVP #: N/A	Stream Name: LEACHED AND CEMENTED RESIN:CH-Cert-repack	Inventory Date:
Local ID: ID-RFO-432T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3211

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m ³)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max			Isotope CI/m³
APPB, F002, F001, D008	Iron-base Metal/Alloys:	Category: Defense TRU Waste	228	Pu-242
	Aluminum-base Metal/Alloys:	Residues: No		Pu-241
	Other Metals/Alloys:	Asbestos: Unknown		Pu-240
	Other Inorganic Material:	PCBs: No		Pu-239
	Vitrified:	Source: Materials Production/Recovery Effluents		Pu-238
	Cellulosics:			Am-241
	Rubber:			
	Plastics:			
	Solidified Inorganic Material:			
	Solidified Organic Material:			
	Cement (solidified):			
	Soils:			
	Packaging Material Steel:			
	Packaging Material Plastic:			
	Packaging Material Lead:			
Packaging Material Steel Plug:				

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	38.8	0.0	0.0	0.0	0.0	38.8	55 Gallon Drum	39.1	0.0	0.0	0.0	0.0	39.1
Totals	38.8	0.0	0.0	0.0	0.0	38.8	Totals	39.1	0.0	0.0	0.0	0.0	39.1

As-Generated Form: Stored: 38.8 Projected: 0.0 Total: 38.8 Final Waste Form: Stored: 39.1 Projected: 0.0 Total: 39.1



WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of anion and cation exchange resins used in the purification and recovery of plutonium and americium, respectively. The resins are leached and cemented before disposal.
WASTE STREAM SOURCE	<p>This record represents the [CH-Cert-repack] portion (75.54%) of the MWIR waste stream, [LEACHED AND CEMENTED RESIN] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W317, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W317	Handling: CH	NMVP #: N/A	Stream Name: LEACHED AND CEMENTED RESIN: Direct Ship	Inventory Date:
Local ID: ID-RFO-432T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3211

**AS-GENERATED
EPA CODES**

APP8, F002, F001,
D008

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

228

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.70E-04
Pu-241	6.28E+01
Pu-240	2.36E+00
Pu-239	1.04E+01
Pu-238	3.67E-01
Am-241	2.73E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	10.4	0.0	0.0	0.0	0.0	10.4	55 Gallon Drum	9.2	0.0	0.0	0.0	0.0	9.2
Totals	10.4	0.0	0.0	0.0	0.0	10.4	SWB used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
							Totals	11.5	0.0	0.0	0.0	0.0	11.5

As-Generated Form: Stored: 10.4 Projected: 0.0 Total: 10.4 Final Waste Form: Stored: 11.5 Projected: 0.0 Total: 11.5



WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of anion and cation exchange resins used in the purification and recovery of plutonium and americium, respectively. The resins are leached and cemented before disposal.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [LEACHED AND CEMENTED RESIN] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W317, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W319	Handling: CH	NMVP #: N/A	Stream Name: LEACHED RESIN:Uncertifiable	Inventory Date:
Local ID: ID-RFO-431T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3211

AS-GENERATED EPA CODES

D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.92E-02
Pu-241	1.08E+04
Pu-240	4.06E+02
Pu-239	1.79E+03
Pu-238	6.31E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.6	0.0	0.0	0.0	0.0	0.6	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of anionic and cationic exchange resins used in the purification and recovery of plutonium and americium, respectively. It is believed that the resins were Content Code 430 resins (that were processed by leaching to recover plutonium. Content code was used during 1972 only.
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [LEACHED RESIN] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W319, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W319	Handling: CH	NMVP #: N/A	Stream Name: LEACHED RESIN: Direct Ship	Inventory Date:
Local ID: ID-RFO-431T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3211

AS-GENERATED EPA CODES

D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.92E-04
Pu-241	1.08E+02
Pu-240	4.06E+00
Pu-239	1.79E+01
Pu-238	6.31E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of anionic and cationic exchange resins used in the purification and recovery of plutonium and americium, respectively. It is believed that the resins were Content Code 430 resins that were processed by leaching to recover plutonium. Content code was used during 1972 only.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (20%) of the MWR waste stream, [LEACHED RESIN] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W319, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 6.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W321	Handling: CH	NMVP #: N/A	Stream Name: UNLEACHED ION COLUMN RESIN:Direct Ship	Inventory Date:
Local ID: ID-RFO-430T	Type: MTRU	Generator Site: RF	Final Waste Form: Solidified Organics	Waste Matrix Code: S3211

AS-GENERATED EPA CODES

D001

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	160.3		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	5.90E-04
Pu-241	2.16E+02
Pu-240	8.21E+00
Pu-239	3.62E+01
Pu-238	1.28E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	0.8	0.0	0.0	0.0	0.0	0.8

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	1.3	0.0	0.0	0.0	0.0	1.3

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8

Final Waste Form: Stored: 1.3 Projected: 0.0 Total: 1.3



WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of anionic and cationic exchange resins used in the purification and recovery of plutonium and americium, respectively. The anionic resins were DOWEX 1-X4 and the cationic resins were DOWEX 50W-X8, both being polystyrene-divinylbenzene copolymers.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [UNLEACHED ION COLUMN RESIN] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W321, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W321	Handling: CH	NMVP #: N/A	Stream Name: UNLEACHED ION COLUMN RESIN:Uncertifiable	Inventory Date:
Local ID: ID-RFO-430T	Type: MTRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3211

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																
D001	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tr> <td>Iron-base Metal/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Aluminum-base Metal/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Other Metals/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Other Inorganic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Vitrified:</td> <td>2500.0</td> <td>2500.0</td> <td>2500.0</td> </tr> <tr> <td>Cellulosics:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Rubber:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Plastics:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Solidified Inorganic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Solidified Organic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Cement (solidified):</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Soils:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Packaging Material Steel:</td> <td>131.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Plastic:</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Lead:</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Steel Plug:</td> <td>0.0</td> <td></td> <td></td> </tr> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	2500.0	2500.0	2500.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	0.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Materials Production/Recovery Effluents	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tr> <td>Pu-242</td> <td>5.90E-02</td> </tr> <tr> <td>Pu-241</td> <td>2.18E+04</td> </tr> <tr> <td>Pu-240</td> <td>8.21E+02</td> </tr> <tr> <td>Pu-239</td> <td>3.62E+03</td> </tr> <tr> <td>Pu-238</td> <td>1.28E+02</td> </tr> </table>	Isotope (Ci/m3)		Pu-242	5.90E-02	Pu-241	2.18E+04	Pu-240	8.21E+02	Pu-239	3.62E+03	Pu-238	1.28E+02
	Avg	Min	Max																																																																																	
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	3.4	0.0	0.0	0.0	0.0	3.4	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	3.4	0.0	0.0	0.0	0.0	3.4	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 3.4 Projected: 0.0 Total: 3.4 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of anionic and cationic exchange resins used in the purification and recovery of plutonium and americium, respectively. The anionic resins were DOWEX 1-X4 and the cationic resins were DOWEX 50W-X8, both being polystyrene-divinylbenzene copolymers.
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [UNLEACHED ION COLUMN RESIN] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vtrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated mixed waste stream, IN-W321, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated mixed waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 6.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W322	Handling: CH	NMVP #: N/A	Stream Name: SAMPLE FUEL: Direct Ship	Inventory Date:
Local ID: ID-TRA-154TN	Type: TRU	Generator Site: IN	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5121

AS-GENERATED EPA CODES WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

APP8	Iron-base Metal/Alloys:	Avg	Min	Max	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)	
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No			U-235 3.96E-04
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown			Pu-240 3.03E+00
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239 1.46E+01	
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources			
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	174.1						
	Packaging Material Plastic:	26.6						
	Packaging Material Lead:	0.0						
Packaging Material Steel Plug:	0.0							

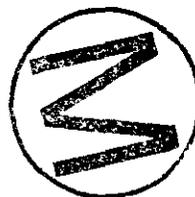
WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9



WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the INEL. These wastes include actinide neutron sources, a radium needle, small vials of fuel, and metal containers of experimental fuel capsules.</p> <p>The organic content is less than 14 lb/r3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15-gallon drums, and then placed in 55-gallon drums.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SAMPLE FUEL] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W322, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W322	Handling: CH	NMVP #: N/A	Stream Name: SAMPLE FUEL: Cert-repack	Inventory Date:
Local ID: ID-TRA-154TN	Type: TRU	Generator Site: IN	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5121

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste N/A

Residues: No

Asbestos: Unknown

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	3.96E-04
Pu-240	3.03E+00
Pu-239	1.46E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.5	0.0	0.0	0.0	0.0	1.5	55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7
Totals	1.5	0.0	0.0	0.0	0.0	1.5	Totals	1.7	0.0	0.0	0.0	0.0	1.7

As-Generated Form: Stored: 1.5 Projected: 0.0 Total: 1.5 Final Waste Form: Stored: 1.7 Projected: 0.0 Total: 1.7

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the INEL. These wastes include actinide neutron sources, a radium needle, small vials of fuel, and metal containers of experimental fuel capsules.</p> <p>The organic content is less than 14 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15-gallon drums, and then placed in 55-gallon drums.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MVIR waste stream, [SAMPLE FUEL] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W322, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W323	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE LAB WASTE: Direct Ship	Inventory Date:
Local ID: ID-INL-153TN	Type: TRU	Generator Site: AW	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	25.8	0.0	44.4
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	1.8	0.0	7.4
Vitrified:	0.0	0.0	0.0
Cellulosics:	149.7	43.3	251.4
Rubber:	1.7	1.1	5.1
Plastics:	15.0	3.3	40.2
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	174.1		
Packaging Material Plastic:	26.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE:	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Other/Multiple Sources		

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.54E-04
Pu-241	4.67E+00
Pu-239	4.01E-01
Pu-238	2.18E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the Argonne National Laboratory-West at the INEL. Most of the waste is organic and combustible materials including paper, wood, PVC and plastic containers and items, rubber gaskets and gloves, leather, rags, towels, Q-tips, tubing, filter media, abrasive media, and metal pieces. Small residuals of moderators and fuel are trapped on the filters. One of the 28 total drums of Content Code 153 waste is stored at the Transuranic Storage Area (TSA) for contact-handled waste. The other 27 drums are stored at the Intermediate level transuranic storage facility (ILTSF) for remote handled waste.</p> <p>The organic content may exceed 14 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>Individual waste items may be loose or plastic bagged. Combustibles and noncombustibles are segregated to separate waste cans. Each can is weighed and assayed. The inner waste cans are loaded into an outer waste drum, along with a lead shield plug. Assays are done for each can and for the drums.</p> <p>The waste stream is non-mixed, because the lead is shielding only and not considered part of waste stream.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [COMBUSTIBLE LAB WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W323, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W323	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE LAB WASTE:Uncertifiable	Inventory Date:
Local ID: ID-INL-153TN	Type: TRU	Generator Site: AW	Final Waste Form: inorganic Non-Metal	Waste Matrix Code: S5440

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	0.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE:	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Other/Multiple Sources		

FINAL FORM RADIONUCLIDES

Isotope (g/g)	
U-235	8.44E-05
Pu-241	5.36E-08
Pu-239	7.67E-06
Pu-238	1.51E-07

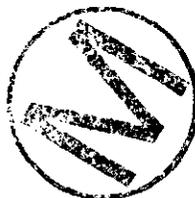
WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
RH Insert	1.5	0.0	0.0	0.0	0.0	1.5	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	1.5	0.0	0.0	0.0	0.0	1.5	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 1.5 Projected: 0.0 Total: 1.5 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the Argonne National Laboratory-West at the INEL. Most of the waste is organic and combustible materials including paper, wood, PVC and plastic containers and items, rubber gaskets and gloves, leather, rags, towels, Q-tips, tubing, filter media, abrasive media, and metal pieces. Small residuals of moderators and fuel are trapped on the filters. One of the 28 total drums of Content Code 153 waste is stored at the Transuranic Storage Area (TSA) for contact-handled waste. The other 27 drums are stored at the intermediate level transuranic storage facility (ILTSF) for remote handled waste.</p> <p>The organic content may exceed 14 lb/r3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>Individual waste items may be loose or plastic bagged. Combustibles and noncombustibles are segregated to separate waste cans. Each can is weighed and assayed. The inner waste cans are loaded into an outer waste drum, along with a lead shield plug. Assays are done for each can and for the drums.</p> <p>The waste stream is non-mixed, because the lead is shielding only and not considered part of waste stream.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [COMBUSTIBLE LAB WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk size incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W323, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	N/A



TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.3	0.0	17.9
Other Inorganic Material:	11.1	0.0	17.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	63.0	63.0	706.7
Rubber:	19.3	19.3	194.4
Plastics:	191.8	158.7	706.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

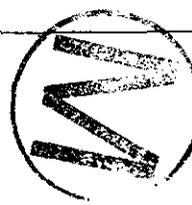
FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste	TRUCON CODE: N/A	Isotope (Ci/m3)
Residues: No		Pu-238 3.23E+01
Asbestos: Unknown		
PCBs: No		
Source: Source Information Not Compiled		

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4



WASTE STREAM DESCRIPTION	There is no content information for this waste stream, which was generated at Mound Laboratory. It is thought that there may be classified parts in this waste.
WASTE STREAM SOURCE	<p>This record represents the [Cart-repack] portion (80%) of the MWIR waste stream, [CLASSIFIED PARTS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W325, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.2	0.0	10.9
Other Inorganic Material:	6.8	0.0	10.6
Vitrified:	0.0	0.0	0.0
Cellulosics:	38.5	38.5	432.0
Rubber:	11.8	11.8	118.8
Plastics:	117.3	97.0	432.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Source Information Not Compiled		

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
Pu-238	3.23E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	There is no content information for this waste stream, which was generated at Mound Laboratory. It is thought that there may be classified parts in this waste.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [CLASSIFIED PARTS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W325, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W327	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY (< 100 nCi/g) COMB: Cert-repack	Inventory Date:
Local ID: ID-MDO-847T	Type: TRU	Generator Site: MD	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:			Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	Defense TRU Waste	N/A		Pu-238	2.23E+01
	Aluminum-base Metal/Alloys:	0.0	0.0	Residues: No				
	Other Metals/Alloys:	0.3	0.0	Asbestos: Unknown				
	Other Inorganic Material:	11.1	0.0	PCBs: No				
	Vitrified:	0.0	0.0	Source: Facility/Equipment Operation and Maintenance Waste				
	Cellulosics:	63.0	63.0					
	Rubber:	19.3	19.3					
	Plastics:	191.8	158.7					
	Solidified Inorganic Material:	0.0	0.0					
	Solidified Organic Material:	0.0	0.0					
	Cement (solidified):	0.0	0.0					
	Soils:	0.0	0.0					
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	3.4	0.0	0.0	0.0	0.0	3.4	55 Gallon Drum	3.5	0.0	0.0	0.0	0.0	3.5
Totals	3.4	0.0	0.0	0.0	0.0	3.4	Totals	3.5	0.0	0.0	0.0	0.0	3.5

As-Generated Form: Stored: 3.4 Projected: 0.0 Total: 3.4 Final Waste Form: Stored: 3.5 Projected: 0.0 Total: 3.5

WASTE STREAM DESCRIPTION	<p>This waste stream is from Mound Laboratory and consists of nonline generated combustible wastes such as plastic sheeting, paper, reagents, gloves (rubber, cloth), plastic bottles, wood, paper suits, and shoe covers. About 75% of the waste is compacted. The waste may be either dry or damp.</p> <p>The average waste organic material content usually exceeds 14 lb/ft³ for drums. Levels of fines should be within WIPP-WAC limits. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.</p> <p>Combustibles were packed into plastic bags which were sealed and compacted inside prepared drums. The compaction ratio is about 4:1. About 25% of the waste is not compacted, due to the presence of noncompactible items such as wood. Drums were prepared according to post-1972 procedures. Prior to January 1982, drums were scanned for gamma radiation and assayed if readings above background levels were detected. After 1982, all drums were assayed.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [LOW SPECIFIC ACTIVITY (< 100 nCi/g) COMB] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W327, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W327	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY (< 100 nCi/g) COMB: Direct Ship	Inventory Date:
Local ID: ID-MDO-847T	Type: TRU	Generator Site: MD	Final Waste Form: Combustible	Waste Matrix Code: S5300

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.2	0.0	14.2
Other Inorganic Material:	8.9	0.0	13.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	50.2	50.2	562.8
Rubber:	15.4	15.4	154.8
Plastics:	152.8	126.4	562.8
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	160.3		
Packaging Material Plastic:	29.9		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE	N/A
Residues:	No	FINAL FORM RADIONUCLIDES	
Asbestos:	Unknown	Isotope (Ci/m3)	
PCBs:	No	Pu-238 2.23E+01	
Source:	Facility/Equipment Operation and Maintenance Waste		

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	0.8	0.0	0.0	0.0	0.0	0.8	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.3	0.0	0.0	0.0	0.0	1.3

As-Generated Form: Stored: 0.8 Projected: 0.0 Total: 0.8 Final Waste Form: Stored: 1.3 Projected: 0.0 Total: 1.3



WASTE STREAM DESCRIPTION	<p>This waste stream is from Mound Laboratory and consists of nonline generated combustible wastes such as plastic sheeting, paper, reagents, gloves (rubber, cloth), plastic bottles, wood, paper suits, and shoe covers. About 75% of the waste is compacted. The waste may be either dry or damp.</p> <p>The average waste organic material content usually exceeds 14 lb/ft³ for drums. Levels of fines should be within WIPP-WAC limits. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.</p> <p>Combustibles were packed into plastic bags which were sealed and compacted inside prepared drums. The compaction ratio is about 4:1. About 25% of the waste is not compacted, due to the presence of noncompactible items such as wood. Drums were prepared according to post-1972 procedures. Prior to January 1982, drums were scanned for gamma radiation and assayed if readings above background levels were detected. After 1982, all drums were assayed.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [LOW SPECIFIC ACTIVITY (< 100 nCi/g) COMB] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W327, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W329	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY (< 100 nCi/g) NONC: Direct Ship	Inventory Date:
Local ID: ID-MDO-848T	Type: TRU	Generator Site: MD	Final Waste Form: Heterogeneous	Waste Matrix Code: S5100

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		Isotope (Ci/m3)
N/A	Iron-base Metal/Alloys: 291.9 1.5 536.8	Defense TRU Waste	N/A	Pu-239 5.34E-02
	Aluminum-base Metal/Alloys: 12.3 12.3 26.8	Residues: No		Pu-238 1.22E+02
	Other Metals/Alloys: 6.5 6.5 32.7	Asbestos: Unknown		
	Other Inorganic Material: 22.3 0.0 570.8	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Facility/Equipment Operation and Maintenance Waste		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 3.4 0.0 3.4			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 174.1			
	Packaging Material Plastic: 26.6			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-87	88-02	03-12	13-22	Totals	Container	Stored	Pre-87	88-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, consists of nonline generated noncombustible wastes such as tools, pipe, equipment, metal, glass, concrete, plaster, bricks, and dirt. Limited amounts of combustible wastes such as paper, rags, etc. are also included.</p> <p>Fines which may be present include soil, plaster, and concrete chips. The organic content is less than 14 lb/ft³. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>This waste stream is packaged in drums. Depending on size and contamination levels of individual items, the waste is contained in one or two plastic bags or placed directly into prepared waste drums. Each drum is lined with a 90-mil liner and a plastic bag. Florco absorbent is added to the bottom of the drum if dampness is suspected. Plywood spacers are added as needed on top of the liner lid. Each barrel is assayed by a drum counter or by portable gamma detecting instruments.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [LOW SPECIFIC ACTIVITY (< 100 nCi/g) NONC] after processing. The proposed processing sequence is (SWEPP:segpk TRANS:trans WIPP:diap). This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W329, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

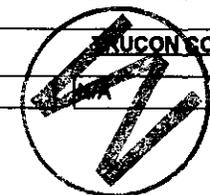
HQ ID: IN-W329	Handling: CH	NMVP #: N/A	Stream Name: LOW SPECIFIC ACTIVITY (< 100 nCi/g) NONC:Uncertifiable	Inventory Date:
Local ID: ID-MDO-848T	Type: TRU	Generator Site: MD	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5100

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

EPA CODES
N/A

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

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



Isotope (Ci/m3)	
Pu-239	3.56E-01
Pu-238	8.15E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	1.1	0.0	0.0	0.0	0.0	1.1	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1
Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Mound Laboratory, consists of nonline generated noncombustible wastes such as tools, pipe, equipment, metal, glass, concrete, plaster, bricks, and dirt. Limited amounts of combustible wastes such as paper, rags, etc. are also included.</p> <p>Fines which may be present include soil, plaster, and concrete chips. The organic content is less than 14 lb/ft³. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>This waste stream is packaged in drums. Depending on size and contamination levels of individual items, the waste is contained in one or two plastic bags or placed directly into prepared waste drums. Each drum is lined with a 90-mil liner and a plastic bag. Florco absorbent is added to the bottom of the drum if dampness is suspected. Plywood spacers are added as needed on top of the liner lid. Each barrel is assayed by a drum counter or by portable gamma detecting instruments.</p>
WASTE STREAM SOURCE	<p>This record represents the {Uncertifiable} portion (80%) of the MWIR waste stream, {LOW SPECIFIC ACTIVITY (< 100 nCi/g) NONC} after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk size inclin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W329, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W330	Handling: CH	NMVP #: N/A	Stream Name: RAGS, PAPER, WOOD, ETC.: Cert-repack	Inventory Date:
Local ID: ID-MDO-801T	Type: TRU	Generator Site: MD	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.3	0.0	17.9
Other Inorganic Material:	11.1	0.0	17.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	63.0	63.0	706.7
Rubber:	19.3	19.3	194.4
Plastics:	191.8	158.7	706.7
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Remediation/D&D Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.36E-07
Pu-241	2.47E-02
Pu-240	2.71E-04
Pu-239	5.18E-04
Pu-238	6.48E+01
Pu-236	3.16E-05

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.9	0.0	0.0	0.0	0.0	5.9	55 Gallon Drum	6.0	0.0	0.0	0.0	0.0	6.0
Totals	5.9	0.0	0.0	0.0	0.0	5.9	Totals	6.0	0.0	0.0	0.0	0.0	6.0

As-Generated Form: Stored: 5.9 Projected: 0.0 Total: 5.9

Final Waste Form: Stored: 6.0 Projected: 0.0 Total: 6.0

WASTE STREAM DESCRIPTION

This waste stream is from Mound Laboratory and consists of line-generated cloth rags and Kimwipes, and limited amounts of wood and cardboard tubes. Limited amounts some other combustible wastes (gloves, plastic, etc, Content Codes 802, 804, and 812) may also be present. These wastes are from D&D activities at the Plutonium Processing and Research buildings. Waste was shipped only in 1977. Presence of hazardous materials in the waste stream is not known. Limited amounts of waste may be damp.

The average waste organic material content usually exceeds 14 lb/ft³ for drums. Combustibles in the waste exceed 25 volume percent. Levels of fines from glovebox cleaning should be within WIPP-WAC limits. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.

Combustibles were packed into 1-gal plastic coated cardboard cartons. Each carton was labeled, assayed and bagged into a sleeve bag which holds 5 cartons. Up to eight sleeve bags were placed in each drum. Drums were prepared according to post-1972 procedures.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (60%) of the MWIR waste stream, [RAGS, PAPER, WOOD, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W330, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W330	Handling: CH	NMVP #: N/A	Stream Name: RAGS, PAPER, WOOD, ETC.: Direct Ship	Inventory Date:
Local ID: ID-MDO-801T	Type: TRU	Generator Site: MD	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.3	0.0	15.4
Other Inorganic Material:	9.6	0.0	14.9
Vitrified:	0.0	0.0	0.0
Cellulosics:	54.3	54.3	609.4
Rubber:	16.7	16.7	167.6
Plastics:	165.4	136.8	609.4
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	150.8		
Packaging Material Plastic:	32.2		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

TRUCON CODE

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.36E-07
Pu-241	2.47E-02
Pu-240	2.71E-04
Pu-239	5.18E-04
Pu-238	6.46E+01
Pu-236	3.16E-05

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.5	0.0	0.0	0.0	0.0	1.5	55 Gallon Drum	1.5	0.0	0.0	0.0	0.0	1.5
Totals	1.5	0.0	0.0	0.0	0.0	1.5	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.9	0.0	0.0	0.0	0.0	1.9

As-Generated Form: Stored: 1.5 Projected: 0.0 Total: 1.5 Final Waste Form: Stored: 1.9 Projected: 0.0 Total: 1.9

WASTE STREAM DESCRIPTION	<p>This waste stream is from Mound Laboratory and consists of line-generated cloth rags and Kimwipes, and limited amounts of wood and cardboard tubes. Limited amounts some other combustible wastes (gloves, plastic, etc, Content Codes 802, 804, and 812) may also be present. These wastes are from D&D activities at the Plutonium Processing and Research buildings. Waste was shipped only in 1977. Presence of hazardous materials in the waste stream is not known. Limited amounts of waste may be damp.</p> <p>The average waste organic material content usually exceeds 14 lb/ft³ for drums. Combustibles in the waste exceed 25 volume percent. Levels of fines from glovebox cleaning should be within WIPP-WAC limits. There should be no sludges, free liquids, explosives, compressed gases, pyrophoric, toxic, or corrosive materials.</p> <p>Combustibles were packed into 1-gal plastic coated cardboard cartons. Each carton was labeled, assayed and bagged into a sleeve bag which holds 5 cartons. Up to eight sleeve bags were placed in each drum. Drums were prepared according to post-1972 procedures.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [RAGS, PAPER, WOOD, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W330, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W332	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED SOLUTIONS:Direct Ship	Inventory Date:
Local ID: ID-BCO-204T	Type: TRU	Generator Site: BC	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	241.0	105.8	323.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	243.9	105.8	323.3
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	7.79E-02
Pu-238	1.07E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This waste comes from Battelle Columbus Labs. It is a turco soap decontamination solution (used to decontaminate glove boxes from a Pu lab) which is solidified in plaster-of-paris.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWI,t waste stream, [SOLIDIFIED SOLUTIONS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W332, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W332	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED SOLUTIONS: Cert-repack	Inventory Date:
Local ID: ID-BCO-204T	Type: TRU	Generator Site: BC	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	394.2	173.1	528.8
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	399.0	173.1	528.8
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Remediation/D&D Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	7.79E-02
Pu-238	1.07E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.8	0.0	0.0	0.0	0.0	0.8	55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	0.8	0.0	0.0	0.0	0.0	0.8	Totals	0.8	0.0	0.0	0.0	0.0	0.8

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6 Final Waste Form: Stored: 0.8 Projected: 0.0 Total: 0.8

WASTE STREAM DESCRIPTION	This waste comes from Battelle Columbus Labs. It is a turco soap decontamination solution (used to decontaminate glove boxes from a Pu lab) which is solidified in plaster-of-paris.
WASTE STREAM SOURCE	<p>This record represents the [Cerl-repack] portion (80%) of the MWIR waste stream, [SOLIDIFIED SOLUTIONS] after processing. The proposed processing sequence is [SWEPP:segpk [WPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W332, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W334	Handling: CH	NMVP #: N/A	Stream Name: PAPER, METALS, GLASS:Direct Ship	Inventory Date:
Local ID: ID-BCO-203T	Type: TRU	Generator Site: BC	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																				
N/A	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>79.3</td><td>0.0</td><td>1347.6</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>1.3</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.1</td><td>0.0</td><td>18.7</td></tr> <tr><td>Other Inorganic Material:</td><td>2.0</td><td>0.0</td><td>19.8</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>66.7</td><td>0.0</td><td>152.3</td></tr> <tr><td>Rubber:</td><td>6.0</td><td>0.0</td><td>13.5</td></tr> <tr><td>Plastics:</td><td>53.5</td><td>0.0</td><td>122.8</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>156.3</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>30.9</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	79.3	0.0	1347.6	Aluminum-base Metal/Alloys:	0.0	0.0	1.3	Other Metals/Alloys:	0.1	0.0	18.7	Other Inorganic Material:	2.0	0.0	19.8	Vitrified:	0.0	0.0	0.0	Cellulosics:	66.7	0.0	152.3	Rubber:	6.0	0.0	13.5	Plastics:	53.5	0.0	122.8	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	156.3			Packaging Material Plastic:	30.9			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Remediation/D&D Waste	N/A	Isotope (Ci/m3) U-235 4.82E-04 Pu-239 9.32E-01
	Avg	Min	Max																																																																					
Iron-base Metal/Alloys:	79.3	0.0	1347.6																																																																					
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Packaging Material Steel Plug:	0.0																																																																							

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Totals	1.1	0.0	0.0	0.0	0.0	1.1	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.5	0.0	0.0	0.0	0.0	1.5

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 Final Waste Form: Stored: 1.5 Projected: 0.0 Total: 1.5



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Battelle Columbus Laboratories, contains a mixture of combustible and noncombustible items in roughly equal proportions. Combustible items include paper and paper products. Noncombustibles are primarily metal and some glass.</p> <p>The organic content is about 9 lb/ft³ in drums and about 5 lb/ft³ in bins. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>Prior to packaging, each waste item is given a smear test and then triple contained in either nylon reinforced plastic sheeting or PE bags. The waste is placed in 55-gallon drums fitted with 90-mil liners, or else placed in M-III bins. Some drums which do not meet INEL packaging criteria are also overpacked in bins.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [PAPER, METALS, GLASS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W334, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W334	Handling: CH	NMVP #: N/A	Stream Name: PAPER, METALS, GLASS: Cert-repack	Inventory Date:
Local ID: ID-BCO-203T	Type: TRU	Generator Site: BC	Final Waste Form: Heterogeneous	Waste Matrix Code: S5420

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES		
	Avg	Min	Max			Isotope (Ci/m3)		
N/A	Iron-base Metal/Alloys:	96.2	0.0	1634.6	Category: Defense TRU Waste	N/A	U-235	4.82E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	1.6	Residues: No		Pu-239	9.32E-01
	Other Metals/Alloys:	0.1	0.0	22.7	Asbestos: Unknown			
	Other Inorganic Material:	2.4	0.0	24.0	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Remediation/D&D Waste			
	Cellulosics:	80.9	0.0	184.8				
	Rubber:	7.3	0.0	16.4				
	Plastics:	64.9	0.0	149.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	4.5	0.0	0.0	0.0	0.0	4.5	55 Gallon Drum	4.6	0.0	0.0	0.0	0.0	4.6
Totals	4.5	0.0	0.0	0.0	0.0	4.5	Totals	4.6	0.0	0.0	0.0	0.0	4.6

As-Generated Form: Stored: 4.5 Projected: 0.0 Total: 4.5 Final Waste Form: Stored: 4.6 Projected: 0.0 Total: 4.6

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Battelle Columbus Laboratories, contains a mixture of combustible and noncombustible items in roughly equal proportions. Combustible items include paper and paper products. Noncombustibles are primarily metal and some glass.</p> <p>The organic content is about 9 lb/ft³ in drums and about 5 lb/ft³ in bins. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>Prior to packaging, each waste item is given a smear test and then triple contained in either nylon reinforced plastic sheeting or PE bags. The waste is placed in 55-gallon drums fitted with 90-mil liners, or else placed in M-III bins. Some drums which do not meet INEL packaging criteria are also overpacked in bins.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [PAPER, METALS, GLASS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W334, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W336	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE SOLIDS: Cert-repack	Inventory Date:
Local ID: ID-BCO-202T	Type: TRU	Generator Site: BC	Final Waste Form: Combustible	Waste Matrix Code: S5300

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	2.9	0.0	7.2
Vitrified:	0.0	0.0	0.0
Cellulosics:	575.6	105.8	991.5
Rubber:	55.2	55.2	163.5
Plastics:	165.6	105.8	288.5
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Remediation/D&D Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotopes (Ci/m3)	
Pu-239	1.48E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Bin	3.5	0.0	0.0	0.0	0.0	3.5	55 Gallon Drum	4.2	0.0	0.0	0.0	0.0	4.2
Drum	0.4	0.0	0.0	0.0	0.0	0.4	Totals	4.2	0.0	0.0	0.0	0.0	4.2
Totals	3.9	0.0	0.0	0.0	0.0	3.9							

As-Generated Form: Stored: 3.9 Projected: 0.0 Total: 3.9 Final Waste Form: Stored: 4.2 Projected: 0.0 Total: 4.2



WASTE STREAM DESCRIPTION	This waste stream, generated at Battelle Columbus Laboratories, contains such combustible items as wood, plastic suits, nylon reinforced plastic tent structures, shoe covers, rubber gloves, and air hose. The waste is from decontamination and deactivation of the plutonium laboratory.
	The average wastes organic material content may range from 8 lb/ft ³ (including the plywood liner) for bins to 8 lb/ft ³ (excluding the 90-mil liner) for drums. No significant levels of fines should be present. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.
	Each waste item is given a smear test and then triple-wrapped in nylon reinforced plastic or triple-bagged in PE bags. The items are then placed inside 55-gallon drums with 90-mil liners, or in type M-III bins with non-removable plywood liners. Type M-III bins have also been used to overpack 17H drums that do not meet INEL packaging criteria.
WASTE STREAM SOURCE	This record represents the [Cert-repack] portion (96.88%) of the MWIR waste stream, [COMBUSTIBLE SOLIDS] after processing. The proposed processing sequence is [SWEPP:segpk (WPF:segpk segpk TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W336, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.
	This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W336	Handling: CH	NMVP #: N/A	Stream Name: COMBUSTIBLE SOLIDS: Direct Ship	Inventory Date:
Local ID: ID-BCO-202T	Type: TRU	Generator Site: BC	Final Waste Form: Combustible	Waste Matrix Code: S5300

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-239 1.48E-01	
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No			
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown			
	Other Inorganic Material:	1.8	0.0	4.4	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Remediation/D&D Waste			
	Cellulosics:	351.9	64.7	587.8				
	Rubber:	33.7	33.7	99.9				
	Plastics:	101.2	64.7	178.4				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	187.2						
	Packaging Material Plastic:	23.5						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Battelle Columbus Laboratories, contains such combustible items as wood, plastic suits, nylon reinforced plastic tent structures, shoe covers, rubber gloves, and air hose. The waste is from decontamination and deactivation of the plutonium laboratory.</p> <p>The average wastes organic material content may range from 6 lb/ft³ (including the plywood liner) for bins to 8 lb/ft³ (excluding the 90-mil liner) for drums. No significant levels of fines should be present. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.</p> <p>Each waste item is given a smear test and then triple-wrapped in nylon reinforced plastic or triple-bagged in PE bags. The items are then placed inside 55-gallon drums with 90-mil liners, or in type M-III bins with non-removable plywood liners. Type M-III bins have also been used to overpack 17H drums that do not meet INEL packaging criteria.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (3.34%) of the MWIR waste stream, [COMBUSTIBLE SOLIDS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W336, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W337	Handling: CH	NMVP #: N/A	Stream Name: AMERICIUM SOURCES: Cert-repack	Inventory Date:
Local ID: ID-TAN-200T	Type: TRU	Generator Site: IN	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5121

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		
	Other Inorganic Material: 0.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Source Information Not Compiled		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 37.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	<p>This waste was generated at the Idaho National Engineering Laboratory. It consists of an americium neutron source. No other wastes were included in the drum.</p> <p>The waste was placed in a carbon steel pipe which was centered in the 55-gallon drum. Cement was added to fill the annular space between the pipe and drum and encapsulate the pipe containing the source.</p>
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [AMERICIUM SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W337, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W337	Handling: CH	NMVP #: N/A	Stream Name: AMERICIUM SOURCES: Direct Ship	Inventory Date:
Local ID: ID-TAN-200T	Type: TRU	Generator Site: IN	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5121

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES
		Avg	Min	Max			
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		
	Vitrified:	0.0	0.0	0.0	Source: Source Information Not Complied		
	Cellulosics:	0.0	0.0	0.0			
	Rubber:	0.0	0.0	0.0			
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	187.2					
	Packaging Material Plastic:	23.5					
	Packaging Material Lead:	0.0					
	Packaging Material Steel Plug:	0.0					

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	<p>This waste was generated at the Idaho National Engineering Laboratory. It consists of an americium neutron source. No other wastes were included in the drum.</p> <p>The waste was placed in a carbon steel pipe which was centered in the 55-gallon drum. Cement was added to fill the annular space between the pipe and drum and encapsulate the pipe containing the source.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [AMERICIUM SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W337, reported in the DOE National Core Mxed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W338	Handling: CH	NMVP #: N/A	Stream Name: ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS:Direct Ship	Inventory Date:
Local ID: ID-ANL-163T	Type: TRU	Generator Site: AW	Final Waste Form: Heterogeneous	Waste Matrix Code: S5400

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	174.1		
Packaging Material Plastic:	26.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Source Information Not Compiled

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.17E-04
Pu-239	4.67E-01

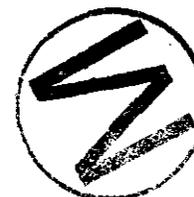
WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9



WASTE STREAM DESCRIPTION	This waste stream was generated at ANL-W. Analytical chemistry laboratory cold-line sample analysis absorbed liquid wastes includes absorbed liquids, miscellaneous hardware and polyethylene. It is a solidified liquid.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W338, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

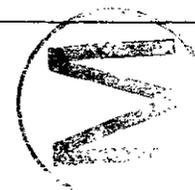
HQ ID: IN-W338	Handling: CH	NMVP #: N/A	Stream Name: ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS: Cert-repack	Inventory Date:
Local ID: ID-ANL-163T	Type: TRU	Generator Site: AW	Final Waste Form: Heterogeneous	Waste Matrix Code: S5400

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category: Defense TRU Waste		N/A	Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		U-235	1.17E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-239	4.67E-01
	Other Metals/Alloys:	0.0	0.0	0.0	PCBs: No			
	Other Inorganic Material:	0.0	0.0	0.0	Source: Source Information Not Compiled			
	Vitrified:	0.0	0.0	0.0				
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Totals	1.1	0.0	0.0	0.0	0.0	1.1	Totals	1.0	0.0	0.0	0.0	0.0	1.0

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 Final Waste Form: Stored: 1.0 Projected: 0.0 Total: 1.0



Appendix P

DOE/CAO-95-1121

TWBIR ID: IN-W338.956

WASTE STREAM DESCRIPTION	This waste stream was generated at ANL-W. Analytical chemistry laboratory cold-line sample analysis absorbed liquid wastes includes absorbed liquids, miscellaneous hardware and polyethylene. It is a solidified liquid.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W338, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W339	Handling: CH	NMVP #: N/A	Stream Name: ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS R:Direct Ship	Inventory Date:
Local ID: ID-ANL-162T	Type: TRU	Generator Site: IN	Final Waste Form: Heterogeneous	Waste Matrix Code: S5120

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																												
N/A	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>148.9</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>32.7</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	148.9			Packaging Material Plastic:	32.7			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Source Information Not Compiled	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>U-235</td><td>8.30E-04</td></tr> <tr><td>Pu-240</td><td>4.49E-02</td></tr> <tr><td>Pu-239</td><td>1.10E+01</td></tr> </tbody> </table>	Isotope (Ci/m3)		U-235	8.30E-04	Pu-240	4.49E-02	Pu-239	1.10E+01
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Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.7	0.0	0.0	0.0	0.0	1.7	55 Gallon Drum	1.7	0.0	0.0	0.0	0.0	1.7
Totals	1.7	0.0	0.0	0.0	0.0	1.7	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	2.1	0.0	0.0	0.0	0.0	2.1

As-Generated Form: Stored: 1.7 Projected: 0.0 Total: 1.7 Final Waste Form: Stored: 2.1 Projected: 0.0 Total: 2.1

WASTE STREAM DESCRIPTION	This waste stream was generated at ANL-W. It consists of solid zirconium, uranium, and plutonium fuel casting metal alloy wastes. The waste is a solid with small amounts of glass powder from broken glass molds. The waste is created when the metal is heated in a crucible and then pressurized into the glass molds. The glass molds are broken to remove the fuel pins, and the remaining molds, crucibles, and residues constitute the waste.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS R] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W339, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W339	Handling: CH	NMVP #: N/A	Stream Name: ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS R: Cert-repack	Inventory Date:
Local ID: ID-ANL-162T	Type: TRU	Generator Site: IN	Final Waste Form: Heterogeneous	Waste Matrix Code: S5120

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	U-235	8.30E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-240	4.49E-02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-239	1.10E+01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Source Information Not Complied			
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	7.0	0.0	0.0	0.0	0.0	7.0	55 Gallon Drum	7.1	0.0	0.0	0.0	0.0	7.1
Totals	7.0	0.0	0.0	0.0	0.0	7.0	Totals	7.1	0.0	0.0	0.0	0.0	7.1

As-Generated Form: Stored: 7.0 Projected: 0.0 Total: 7.0 Final Waste Form: Stored: 7.1 Projected: 0.0 Total: 7.1

WASTE STREAM DESCRIPTION	This waste stream was generated at ANL-W. It consists of solid zirconium, uranium, and plutonium fuel casting metal alloy wastes. The waste is a solid with small amounts of glass powder from broken glass molds. The waste is created when the metal is heated in a crucible and then pressurized into the glass molds. The glass molds are broken to remove the fuel pins, and the remaining molds, crucibles, and residues constitute the waste.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS R] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W339, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W341	Handling: CH	NMVP #: N/A	Stream Name: ANL-W HFEF ANALYTICAL CHEMISTRY AND META: Cert-repack	Inventory Date:
Local ID: ID-ANL-160T	Type: TRU	Generator Site: IN	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES		
	Avg	Min	Max			Isotopes	C/m3	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	U-235	1.33E-03
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-239	9.39E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown			
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Source Information Not Complied			
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
RH Insert	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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2



WASTE STREAM DESCRIPTION	This wastestream, which was generated at ANL-W was generated during analytical chemistry and metallography operations. Item Description Code (IDC) 153 was replaced by IDC 160, ANL-W HFEF Analytical Chemistry and Metallographic Combustibles. The waste package contains lead as shielding.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [ANL-W HFEF ANALYTICAL CHEMISTRY AND META] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W341, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W341	Handling: CH	NMVP #: N/A	Stream Name: ANL-W HFEF ANALYTICAL CHEMISTRY AND META:Direct Ship	Inventory Date:
Local ID: ID-ANL-160T	Type: TRU	Generator Site: IN	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Source Information Not Compiled		

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.33E-03
Pu-239	9.39E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
RH Insert	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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This wastestream, which was generated at ANL-W was generated during analytical chemistry and metallography operations. Item Description Code (IDC) 153 was replaced by IDC 180, ANL-W HFEF Analytical Chemistry and Metallographic Combustibles. The waste package contains lead as shielding.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [ANL-W HFEF ANALYTICAL CHEMISTRY AND META] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W341, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W342	Handling: CH	NMVP #: N/A	Stream Name: MISCELLANEOUS SOURCES: Direct Ship	Inventory Date:
Local ID: ID-INL-157T	Type: TRU	Generator Site: IN	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3100

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Source information Not Compiled

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	6.46E-02
Cf-252	5.58E-02
Am-241	7.47E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at ANL-W. Based on engineering judgment, the waste was assigned to "Inorganic Homogeneous Solids." The waste is assumed to be metallic but of a size that is too small to qualify as debris.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [MISCELLANEOUS SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W342, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W342	Handling: CH	NMVP #: N/A	Stream Name: MISCELLANEOUS SOURCES: Cert-repack	Inventory Date:
Local ID: ID-INL-157T	Type: TRU	Generator Site: IN	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3100

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES		
	Avg	Min	Max			Isotope (Ci/m3)		
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	N/A	Pu-239	6.46E-02
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Cf-252	5.58E-02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Am-241	7.47E+00
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Source information Not Compiled			
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.4	0.0	0.0	0.0	0.0	0.4

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.4 Projected: 0.0 Total: 0.4

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at ANL-W. Based on engineering judgment, the waste was assigned to "Inorganic Homogeneous Solids." The waste is assumed to be metallic but of a size that is too small to qualify as debris.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [MISCELLANEOUS SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk WPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W342, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W345	Handling: CH	NMVP #: N/A	Stream Name: SCRAP: Cert-repack	Inventory Date:
Local ID: ID-INL-155T	Type: TRU	Generator Site: IN	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
APP8	Iron-base Metal/Alloys:	96.2	0.0	1634.6	Defense TRU Waste	N/A	U-235	1.79E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	1.6	Residues: No		Th-232	3.91E-05
	Other Metals/Alloys:	0.1	0.0	22.7	Asbestos: Unknown		Pu-240	8.59E-01
	Other Inorganic Material:	2.4	0.0	24.0	PCBs: Unknown		Pu-239	1.35E+00
	Vitrified:	0.0	0.0	0.0	Source: Remediation/D&D Waste		Pu-238	1.67E+00
	Cellulosics:	80.9	0.0	184.8			Am-241	5.96E+00
	Rubber:	7.3	0.0	16.4				
	Plastics:	64.9	0.0	149.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	12.7	0.0	0.0	0.0	0.0	12.7	55 Gallon Drum	14.4	0.0	0.0	0.0	0.0	14.4
Drum	1.5	0.0	0.0	0.0	0.0	1.5	Totals	14.4	0.0	0.0	0.0	0.0	14.4
Totals	14.2	0.0	0.0	0.0	0.0	14.2							

As-Generated Form: Stored: 14.2 Projected: 0.0 Total: 14.2 Final Waste Form: Stored: 14.4 Projected: 0.0 Total: 14.4

WASTE STREAM DESCRIPTION

This waste stream, generated at Idaho National Engineering Laboratory, consists of a plastic glovebox, a hydraulic pump containing oil, vacuum pumps, centrifuges, tools, and experimental fuel capsules. The presence of hazardous materials is not known, but some absorbed oil is likely.

The contains free liquids. Organic content of the box may exceed 6 lb/ft³. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present, except for the hydraulic pump oil in the box. No explosive or pyrophoric materials should be in this waste.

The waste was placed directly into prepared drums or boxes, or packaged in 1-gallon cans which were placed in prepared drums. The waste was generated in 1975 and 1979. Some of the waste is double wrapped in plastic. It is not known if the box is fiberglass-reinforced polyester (FRP) coated.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (97.38%) of the MWIR waste stream, [SCRAP] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W345, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W345	Handling: CH	NMVP #: N/A	Stream Name: SCRAP:Direct Ship	Inventory Date:
Local ID: ID-INL-155T	Type: TRU	Generator Site: IN	Final Waste Form: Heterogeneous	Waste Matrix Code: S5440

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotopes (Ci/m3)	
APP8	Iron-base Metal/Alloys:	67.6	0.0	1148.0	Defense TRU Waste	N/A	U-235	1.79E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	1.1	Residues: No		Th-232	3.91E-05
	Other Metals/Alloys:	0.1	0.0	15.9	Asbestos: Unknown		Pu-240	8.59E-01
	Other Inorganic Material:	1.7	0.0	16.9	PCBs: Unknown		Pu-239	1.35E+00
	Vitrified:	0.0	0.0	0.0	Source: Remediation/D&D Waste		Pu-238	1.67E+00
	Cellulosics:	56.8	0.0	129.8			Am-241	5.96E+00
	Rubber:	5.1	0.0	11.5				
	Plastics:	45.8	0.0	104.6				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	174.1						
	Packaging Material Plastic:	26.6						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Idaho National Engineering Laboratory, consists of a plastic glovebox, a hydraulic pump containing oil, vacuum pumps, centrifuges, tools, and experimental fuel capsules. The presence of hazardous materials is not known, but some absorbed oil is likely.</p> <p>The contains free liquids. Organic content of the box may exceed 6 lb/R3. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present, except for the hydraulic pump oil in the box. No explosive or pyrophoric materials should be in this waste.</p> <p>The waste was placed directly into prepared drums or boxes, or packaged in 1-gallon cans which were placed in prepared drums. The waste was generated in 1975 and 1979. Some of the waste is double wrapped in plastic. It is not known if the box is fiberglass-reinforced polyester (FRP) coated.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (2.62%) of the MWIR waste stream, [SCRAP] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W345, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W347	Handling: CH	NMVP #: N/A	Stream Name: ABSORBED LIQUIDS: Cert-repack	Inventory Date:
Local ID: ID-AEO-102T	Type: TRU	Generator Site: AE	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																		
N/A	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>101.0</td><td>101.0</td><td>101.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>216.3</td><td>168.3</td><td>259.6</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>37.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	101.0	101.0	101.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	216.3	168.3	259.6	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	37.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: R&D/R&D Laboratory Waste	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>U-238</td><td>6.35E-08</td></tr> <tr><td>U-235</td><td>5.97E-07</td></tr> <tr><td>Th-232</td><td>1.86E-07</td></tr> <tr><td>Pu-240</td><td>2.24E+00</td></tr> <tr><td>Pu-239</td><td>1.22E+00</td></tr> <tr><td>Am-241</td><td>3.58E-02</td></tr> </tbody> </table>	Isotope (Ci/m3)		U-238	6.35E-08	U-235	5.97E-07	Th-232	1.86E-07	Pu-240	2.24E+00	Pu-239	1.22E+00	Am-241	3.58E-02
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Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Bin	42.0	0.0	0.0	0.0	0.0	42.0	55 Gallon Drum	51.8	0.0	0.0	0.0	0.0	51.8
Drum	9.5	0.0	0.0	0.0	0.0	9.5	Totals	51.8	0.0	0.0	0.0	0.0	51.8
Totals	51.5	0.0	0.0	0.0	0.0	51.5							

As-Generated Form: Stored: 51.5 Projected: 0.0 Total: 51.5 Final Waste Form: Stored: 51.8 Projected: 0.0 Total: 51.8

WASTE STREAM DESCRIPTION	This waste comes from Argonne National Laboratory-East. It consists of liquids adjusted to pH 10 using NaOH which are then absorbed in vermiculite.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (95.11%) of the MWIR waste stream, [ABSORBED LIQUIDS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W347, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W347	Handling: CH	NMVP #: N/A	Stream Name: ABSORBED LIQUIDS:Direct Ship	Inventory Date:
Local ID: ID-AEO-102T	Type: TRU	Generator Site: AE	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	U-238	6.35E-06
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		U-235	5.97E-07
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Th-232	1.86E-07
	Other Inorganic Material:	85.4	85.4	85.4	PCBs: No		Pu-240	2.24E+00
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste		Pu-239	1.22E+00
	Cellulosics:	0.0	0.0	0.0			Am-241	3.58E-02
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	182.9	142.3	219.5				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	153.2						
	Packaging Material Plastic:	31.6						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.8	0.0	0.0	0.0	0.0	2.8	55 Gallon Drum	2.5	0.0	0.0	0.0	0.0	2.5
Totals	2.8	0.0	0.0	0.0	0.0	2.8	SWB used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
							Totals	3.4	0.0	0.0	0.0	0.0	3.4

As-Generated Form: Stored: 2.8 Projected: 0.0 Total: 2.8 Final Waste Form: Stored: 3.4 Projected: 0.0 Total: 3.4

WASTE STREAM DESCRIPTION	This waste comes from Argonne National Laboratory-East. It consists of liquids adjusted to pH 10 using NaOH which are then absorbed in vermiculite.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (4.89%) of the MWIR waste stream, [ABSORBED LIQUIDS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W347, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W348	Handling: CH	NMVP #: N/A	Stream Name: SAND, SLAG, AND CRUCIBLE HEELS: Direct Ship	Inventory Date:
Local ID: ID-RFO-393TN	Type: TRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	147.3		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.67E-04
Pu-241	2.47E+02
Pu-240	9.28E+00
Pu-239	4.09E+01
Pu-238	1.44E+00
Am-241	1.26E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.9	0.0	0.0	0.0	0.0	1.9	55 Gallon Drum	1.9	0.0	0.0	0.0	0.0	1.9
Totals	1.9	0.0	0.0	0.0	0.0	1.9	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	2.3	0.0	0.0	0.0	0.0	2.3

As-Generated Form: Stored: 1.9 Projected: 0.0 Total: 1.9 Final Waste Form: Stored: 2.3 Projected: 0.0 Total: 2.3

WASTE STREAM DESCRIPTION	<p>This waste consists of insoluble residue or "heel" generated from processing magnesium oxide sand and pulverized slag and magnesium oxide crucibles to remove above-discard amounts of plutonium. Respirable fines are thought to exceed the WIPP-WAC limits.</p> <p>The waste stream handling and packaging is as follows: the dried heels were placed into 1/2 and 1-gallon PE bottles. Each bottle was double-bagged out the glovebox in PVC and PE bags. Each bottle was assayed and then placed in prepared 55-gallon drums, about 15-30 bottles per drum. Prior to 1972, the drums were lined with one or two PE bags, which were sealed with tape. Some of these drums may have cardboard liners inside the inner drum bag. After 1972, 90-mil sealed rigid liners were used in addition to one or two PE bags.</p> <p>Since 1972, drums were inspected (and corrected where needed for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in february 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SAND, SLAG, AND CRUCIBLE HEELS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W348, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W348	Handling: CH	NMVP #: N/A	Stream Name: SAND, SLAG, AND CRUCIBLE HEELS: Uncertifiable	Inventory Date:
Local ID: ID-RFO-393TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																		
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	8.1	0.0	0.0	0.0	0.0	8.1	55 Gallon Drum	4.2	0.0	0.0	0.0	0.0	4.2
Totals	8.1	0.0	0.0	0.0	0.0	8.1	Totals	4.2	0.0	0.0	0.0	0.0	4.2

As-Generated Form: Stored: 8.1 Projected: 0.0 Total: 8.1 Final Waste Form: Stored: 4.2 Projected: 0.0 Total: 4.2

WASTE STREAM DESCRIPTION	This waste consists of insoluble residue or "heel" generated from processing magnesium oxide sand and pulverized slag and magnesium oxide crucibles to remove above-discard amounts of plutonium. Respirable fines are thought to exceed the WIPP-WAC limits.
	The waste stream handling and packaging is as follows: the dried heels were placed into 1/2 and 1-gallon PE bottles. Each bottle was double-bagged out the glovebox in PVC and PE bags. Each bottle was assayed and then placed in prepared 55-gallon drums, about 15-30 bottles per drum. Prior to 1972, the drums were lined with one or two PE bags, which were sealed with tape. Some of these drums may have cardboard liners inside the inner drum bag. After 1972, 90-mil sealed rigid liners were used in addition to one or two PE bags.
	Since 1972, drums were inspected (and corrected where needed for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in February 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.
WASTE STREAM SOURCE	This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [SAND, SLAG, AND CRUCIBLE HEELS] after processing. The proposed processing sequence is (SWEPP:segpk (WPF:segpk size incln vitrif TRANS:trans WIPP:diag). This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W348, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.
	This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W349	Handling: RH	NMVP #: N/A	Stream Name: REMOTE-HANDLED WASTE:RH-Uncertifiable	Inventory Date:
Local ID: ID-AEO-107T	Type: TRU	Generator Site: AE	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S9000

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
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	Avg	Min	Max	Category:	TRUCON CODE	Isotope (Ci/m3)
N/A				Defense TRU Waste	N/A	
Iron-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-240 4.03E-01
Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-239 6.29E-01
Other Metals/Alloys:	0.0	0.0	0.0	PCBs: No		
Other Inorganic Material:	0.0	0.0	0.0	Source: Source Information Not Compiled		
Vitrified:	2500.0	2500.0	2500.0			
Cellulosics:	0.0	0.0	0.0			
Rubber:	0.0	0.0	0.0			
Plastics:	0.0	0.0	0.0			
Solidified Inorganic Material:	0.0	0.0	0.0			
Solidified Organic Material:	0.0	0.0	0.0			
Cement (solidified):	0.0	0.0	0.0			
Soils:	0.0	0.0	0.0			
Packaging Material Steel:	526.0					
Packaging Material Plastic:	26.0					
Packaging Material Lead:	464.7					
Packaging Material Steel Plug:	2145.1					

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	5.1	0.0	0.0	0.0	0.0	5.1	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	5.1	0.0	0.0	0.0	0.0	5.1	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 5.1 Projected: 0.0 Total: 5.1 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at ANL-E.
WASTE STREAM SOURCE	<p>This record represents the [RH-Uncertifiable] portion (80%) of the MWIR waste stream, [REMOTE-HANDLED WASTE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W349, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W349	Handling: RH	NMVP #: N/A	Stream Name: REMOTE-HANDLED WASTE:RH-Certifiable	Inventory Date:
Local ID: ID-AEO-107T	Type: TRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S9000

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																										
N/A	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>526.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>26.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>464.7</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>2145.1</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	0.0	0.0	0.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	526.0			Packaging Material Plastic:	26.0			Packaging Material Lead:	464.7			Packaging Material Steel Plug:	2145.1			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Source Information Not Compiled	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>Pu-240</td><td>6.05E-02</td></tr> <tr><td>Pu-239</td><td>9.42E-02</td></tr> </tbody> </table>	Isotope (Ci/m3)		Pu-240	6.05E-02	Pu-239	9.42E-02
	Avg	Min	Max																																																																											
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																											
Aluminum-base Metal/Alloys:	0.0	0.0	0.0																																																																											
Other Metals/Alloys:	0.0	0.0	0.0																																																																											
Other Inorganic Material:	0.0	0.0	0.0																																																																											
Vitrified:	0.0	0.0	0.0																																																																											
Cellulosics:	0.0	0.0	0.0																																																																											
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Plastics:	0.0	0.0	0.0																																																																											
Solidified Inorganic Material:	0.0	0.0	0.0																																																																											
Solidified Organic Material:	0.0	0.0	0.0																																																																											
Cement (solidified):	0.0	0.0	0.0																																																																											
Soils:	0.0	0.0	0.0																																																																											
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3	RH Canister used to overpack 55 gallon drums	3.6	0.0	0.0	0.0	0.0	3.6
Totals	1.3	0.0	0.0	0.0	0.0	1.3	Totals	3.6	0.0	0.0	0.0	0.0	3.6

As-Generated Form: Stored: 1.3 Projected: 0.0 Total: 1.3 Final Waste Form: Stored: 3.6 Projected: 0.0 Total: 3.6



WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at ANL-E.
WASTE STREAM SOURCE	<p>This record represents the [RH-Certifiable] portion (20%) of the MWIR waste stream, [REMOTE-HANDLED WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W349, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE:	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Source Information Not Compiled		

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-240	1.76E+02
Pu-239	5.74E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at ANL-E.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SPECIAL SOURCE MATERIAL] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W350, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		Isotope (Ci/m3)
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Defense TRU Waste	N/A	Pu-240 1.78E+02
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		Pu-239 5.74E+01
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		
	Other Inorganic Material: 0.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Source Information Not Complied		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 37.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at ANL-E.
WASTE STREAM SOURCE	<p>This record represents the [Certifiable-repack] portion (80%) of the MWIR waste stream, [SPECIAL SOURCE MATERIAL] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W350, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W351	Handling: CH	NMVP #: N/A	Stream Name: EMPTY BOTTLES:Direct Ship	Inventory Date:
Local ID: ID-AEO-105T	Type: TRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S3113

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
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AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES		
	Avg	Min	Max			Isotope (Ci/m3)		
N/A	Iron-base Metal/Alloys:	3.4	0.0	10.1	Category: Defense TRU Waste	N/A	Pu-240	6.01E+00
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-239	1.75E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown			
	Other Inorganic Material:	3.4	0.0	13.5	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste			
	Cellulosics:	202.1	37.5	303.9				
	Rubber:	2.3	1.0	6.1				
	Plastics:	25.3	2.0	42.6				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	174.1						
	Packaging Material Plastic:	26.6						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.4	0.0	0.0	0.0	0.0	0.4	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Argonne National Laboratory-East, consists of PE and glass bottles used to transport liquid wastes.</p> <p>The organic content is around 5 lb/ft³. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present, except for small quantities of wet vermiculite. No explosive or pyrophoric materials should be in the waste.</p> <p>The bottles have the tops removed and are filled with vermiculite. The bottles are placed with more vermiculite in 55-gallon drums fitted with 90-mil liners. The drums are shipped in M-III bins. After receipt of the bins at INEL-RWMC, the drums are removed from the bins for storage. The bins may be reused.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [EMPTY BOTTLES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W351, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See B.2.15.1.13 for the years.

TWBIR ID: IN-W351.922

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W351	Handling: CH	NMVP #: N/A	Stream Name: EMPTY BOTTLES: Cert-repack	Inventory Date:
Local ID: ID-AEO-105T	Type: TRU	Generator Site: AE	Final Waste Form: Heterogeneous	Waste Matrix Code: S3113

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	4.8	0.0	14.4	Defense TRU Waste	N/A	Pu-240	6.01E+00
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-239	1.75E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown			
	Other Inorganic Material:	4.8	0.0	19.2	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste			
	Cellulosics:	267.7	53.4	432.7				
	Rubber:	3.3	1.4	8.7				
	Plastics:	36.0	2.9	60.6				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	1.2	0.0	0.0	0.0	0.0	1.2
Totals	1.1	0.0	0.0	0.0	0.0	1.1	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at Argonne National Laboratory-East, consists of PE and glass bottles used to transport liquid wastes.</p> <p>The organic content is around 5 lb/ft3. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present, except for small quantities of wet vermiculite. No explosive or pyrophoric materials should be in the waste.</p> <p>The bottles have the tops removed and are filled with vermiculite. The bottles are placed with more vermiculite in 55-gallon drums fitted with 90-mil liners. The drums are shipped in M-III bins. After receipt of the bins at INEL-RWMC, the drums are removed from the bins for storage. The bins may be reused.</p>
WASTE STREAM SOURCE	<p>This record represents the [Certifiable-repack] portion (80%) of the MWIR waste stream; [EMPTY BOTTLES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W351, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W353	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED SOLUTIONS:Direct Ship	Inventory Date:
Local ID: ID-BTO-050TN	Type: TRU	Generator Site: BT	Final Waste Form: Solidified inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	281.8	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	2.6	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE:	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Source Information Not Compiled		

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-239	1.20E-01
Np-237	3.33E-04

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This waste stream is from Bettis Atomic Power Laboratory. It consists of a single drum of TRU. No more information is available, but the waste is thought to be solidified inorganic solutions.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SOLIDIFIED SOLUTIONS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W353, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W353	Handling: CH	NMVP #: N/A	Stream Name: SOLIDIFIED SOLUTIONS:Cert-repack	Inventory Date:
Local ID: ID-BTO-050TN	Type: TRU	Generator Site: BT	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3113

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		Isotope (Ci/m3)
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Defense TRU Waste	N/A	Pu-239 1.20E-01
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		Np-237 3.33E-04
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		
	Other Inorganic Material: 461.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Source Information Not Completed		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 4.2 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 37.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	This waste stream is from Bettis Atomic Power Laboratory. It consists of a single drum of TRU. No more information is available, but the waste is thought to be solidified inorganic solutions.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [SOLIDIFIED SOLUTIONS] after processing. The proposed processing sequence is [SWEPP:segpk (WPF:segpk segpk TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W353, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W354	Handling: CH	NMVP #: N/A	Stream Name: GIBSON SALTS: Cert-repack	Inventory Date:
Local ID: ID-RFO-412TN	Type: TRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		Isotopes (Ci/m3)
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Defense TRU Waste	224	Pu-242 9.41E-05
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		Pu-241 3.48E+01
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		Pu-240 1.31E+00
	Other Inorganic Material: 298.0 0.0 0.0	PCBs: No		Pu-239 5.77E+00
	Vitrified: 0.0 0.0 0.0	Source: R&D/R&D Laboratory Waste		Pu-238 2.04E-01
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 37.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	This waste, generated at Rocky Flats Plant, consists of a halide salt mixture of CaCl ₂ and KCl used in an experimental pyroreox research and development project.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [GIBSON SALTS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W354, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W354	Handling: CH	NMVP #: N/A	Stream Name: GIBSON SALTS:Direct Ship	Inventory Date:
Local ID: ID-RFO-412TN	Type: TRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:	Residues:		Isotopes (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	224	Pu-242	9.41E-05
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	No		Pu-241	3.48E+01
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	1.31E+00
	Other Inorganic Material:	182.2	0.0	0.0	PCBs: No		Pu-239	5.77E+00
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste		Pu-238	2.04E-01
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	187.2						
	Packaging Material Plastic:	23.5						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This waste, generated at Rocky Flats Plant, consists of a halide salt mixture of CaCl ₂ and KCl used in an experimental pyroreox research and development project.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [GIBSON SALTS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W354, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W355	Handling: CH	NMVP #: 124	Stream Name: ELECTROREFINING SALT: Cert-repack	Inventory Date:
Local ID: ID-RFO-411TN	Type: TRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:	Residues:		Isotope (Ci/m3)	
APP8	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	124, 224	Pu-242	4.75E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	No		Pu-241	1.76E+02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	6.60E+00
	Other Inorganic Material:	336.7	6.7	442.3	PCBs: No		Pu-239	2.91E+01
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		Pu-238	1.03E+00
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Totals	1.1	0.0	0.0	0.0	0.0	1.1	Totals	1.0	0.0	0.0	0.0	0.0	1.0

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 Final Waste Form: Stored: 1.0 Projected: 0.0 Total: 1.0

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of fused halide salt mixtures of CaCl ₂ , NaCl, KCl and MgCl ₂ from electrorefining processes. The waste was generated from cleanup of spent salts.
WASTE STREAM SOURCE	This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [ELECTROREFINING SALT] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W355, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W355	Handling: CH	NMVP #: 124	Stream Name: ELECTROREFINING SALT: Direct Ship	Inventory Date:
Local ID: ID-RFO-411TN	Type: TRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m³) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m ³)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES		
	Avg	Min	Max			Isotope (Ci/m ³)		
APP8	Iron-base Metal/Alloys:	0.0	0.0	0.0	Category: Defense TRU Waste	124, 224	Pu-242	4.75E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	1.78E+02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	8.60E+00
	Other Inorganic Material:	238.0	4.7	310.1	PCBs: No		Pu-239	2.91E+01
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		Pu-238	1.03E+00
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	174.1						
	Packaging Material Plastic:	26.8						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of fused halide salt mixtures of CaCl ₂ , NaCl, KCl and MgCl ₂ from electrorefining processes. The waste was generated from cleanup of spent salts.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [ELECTROREFINING SALT] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W355, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W356	Handling: CH	NMVP #: N/A	Stream Name: MOLTEN SALTS - 30% PULVERIZED: Cert-repack	Inventory Date:
Local ID: ID-RFO-410TN	Type: TRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	452.0	120.0	625.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste
Residues:	No
Asbestos:	Unknown
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE

224

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	4.75E-05
Pu-241	1.76E+01
Pu-240	6.60E-01
Pu-239	2.91E+00
Pu-238	1.03E-01
Am-241	1.52E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	3.6	0.0	0.0	0.0	0.0	3.6	55 Gallon Drum	3.7	0.0	0.0	0.0	0.0	3.7
Totals	3.6	0.0	0.0	0.0	0.0	3.6	Totals	3.7	0.0	0.0	0.0	0.0	3.7

As-Generated Form: Stored: 3.6 Projected: 0.0 Total: 3.6 Final Waste Form: Stored: 3.7 Projected: 0.0 Total: 3.7

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of a fused halide salt mixture of NaCl, KCl, and MgCl ₂ , used to pyrochemically remove americium from plutonium metal. The waste was generated from cleanup of spent salts. Some of the containers are lead lined.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [MOLTEN SALTS - 30% PULVERIZED] after processing. The proposed processing sequence is [SWEPP:segpk (WPF:segpk segpk TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W356, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W356	Handling: CH	NMVP #: N/A	Stream Name: MOLTEN SALTS - 30% PULVERIZED: Direct Ship	Inventory Date:
Local ID: ID-RFO-410TN	Type: TRU	Generator Site: RF	Final Waste Form: Salt Waste	Waste Matrix Code: S3141

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	360.0	95.8	497.8
Vitrified:	0.0	0.0	0.0
Celulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	160.3		
Packaging Material Plastic:	29.9		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste
Residues:	No
Asbestos:	Unknown
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE

224

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	4.75E-05
Pu-241	1.76E+01
Pu-240	6.60E-01
Pu-239	2.91E+00
Pu-238	1.03E-01
Am-241	1.52E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	1.1	0.0	0.0	0.0	0.0	1.1	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.3	0.0	0.0	0.0	0.0	1.3

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 Final Waste Form: Stored: 1.3 Projected: 0.0 Total: 1.3

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of a fused halide salt mixture of NaCl, KCl, and MgCl ₂ , used to pyrochemically remove americium from plutonium metal. The waste was generated from cleanup of spent salts. Some of the containers are lead lined.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, (MOLTEN SALTS - 30% PULVERIZED) after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:diap]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W356, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W357	Handling: CH	NMVP #: N/A	Stream Name: FLUID BED ASH: Direct Ship	Inventory Date:
Local ID: ID-RFO-425TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3111

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: R&D/R&D Laboratory Waste

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.13E-06
Pu-241	2.84E+00
Pu-240	9.91E-02
Pu-239	4.37E-01
Pu-238	1.54E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This waste , generated at the Rocky Flats Plant, consists of ash generated from the experimental pilot and demonstration fluid bed incinerator plants. Combustibles used for experiments were contaminated with low levels of Pu. Ash is packaged in standard RFP drums. Drums were assayed and fissile quantities calculated.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [FLUID BED ASH] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W357, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W357	Handling: CH	NMVP #: N/A	Stream Name: FLUID BED ASH:Uncertifiable	Inventory Date:
Local ID: ID-RFO-425TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3111

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																																
N/A	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>2500.0</td><td>2500.0</td><td>2500.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>131.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>0.0</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>0.0</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	2500.0	2500.0	2500.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	0.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0			Category: Defense TRU Waste Residues: No Asbestos: No PCBs: No Source: R&D/R&D Laboratory Waste	N/A	<table border="1"> <thead> <tr> <th>Isotope (Ci/m3)</th> <th></th> </tr> </thead> <tbody> <tr><td>Pu-242</td><td>1.43E-05</td></tr> <tr><td>Pu-241</td><td>5.28E+00</td></tr> <tr><td>Pu-240</td><td>1.98E-01</td></tr> <tr><td>Pu-239</td><td>8.74E-01</td></tr> <tr><td>Pu-238</td><td>3.08E-02</td></tr> </tbody> </table>	Isotope (Ci/m3)		Pu-242	1.43E-05	Pu-241	5.28E+00	Pu-240	1.98E-01	Pu-239	8.74E-01	Pu-238	3.08E-02
	Avg	Min	Max																																																																																	
Iron-base Metal/Alloys:	0.0	0.0	0.0																																																																																	
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Cellulosics:	0.0	0.0	0.0																																																																																	
Rubber:	0.0	0.0	0.0																																																																																	
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of ash generated from the experimental pilot and demonstration fluid bed incinerator plants. Combustibles used for experiments were contaminated with low levels of Pu. Ash is packaged in standard RFP drums. Drums were assayed and fissile quantities calculated.
WASTE STREAM SOURCE	This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [FLUID BED ASH] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W357, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W358	Handling: CH	NMVP #: N/A	Stream Name: PU NEUTRON SOURCES:RH Direct Ship	Inventory Date:
Local ID: ID-INL-152TN	Type: TRU	Generator Site: IN	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5420

**AS-GENERATED
EPA CODES**

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	67.6	0.0	1148.0
Aluminum-base Metal/Alloys:	0.0	0.0	1.1
Other Metals/Alloys:	0.1	0.0	15.9
Other Inorganic Material:	1.7	0.0	16.9
Vitrified:	0.0	0.0	0.0
Cellulosics:	56.8	0.0	129.8
Rubber:	5.1	0.0	11.5
Plastics:	45.6	0.0	104.6
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	174.1		
Packaging Material Plastic:	26.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE:	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Other/Multiple Sources		

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-240	5.81E+00
Pu-239	3.02E+00
Pu-238	6.65E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	0.5	0.0	0.0	0.0	0.0	0.5
							0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of noncombustible materials including Pu-Be neutron sources (small fuel samples, small sections of moderator, a pu standard, and pu foil), tools, hot cell operating equipment, various containers, and ferrous and nonferrous metals. Some combustible materials may include paper, plastic and PVC containers, rags, Q-tips, string mop heads, and an electrical plug strip and cord.</p> <p>The organic content is less than 14 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15 gallon drums, and then placed in 55-gallon drums. Some individual items may be unbagged.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (7.51%) of the MWIR waste stream, [PU NEUTRON SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W358, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W358	Handling: CH	NMVP #: N/A	Stream Name: PU NEUTRON SOURCES:CH-Cert-repack	Inventory Date:
Local ID: ID-INL-152TN	Type: TRU	Generator Site: IN	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5420

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	96.2	0.0	1634.6
Aluminum-base Metal/Alloys:	0.0	0.0	1.8
Other Metals/Alloys:	0.1	0.0	22.7
Other Inorganic Material:	2.4	0.0	24.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	80.9	0.0	184.8
Rubber:	7.3	0.0	16.4
Plastics:	64.9	0.0	149.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Other/Multiple Sources

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-240	5.81E+00
Pu-239	3.02E+00
Pu-238	6.65E+02

WASTE VOLUME DETAIL (cu. meters)

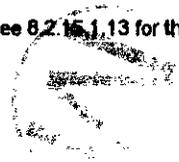
Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	99-02	03-12	13-22	Totals	Container	Stored	Pre-97	99-02	03-12	13-22	Totals
Bin	3.5	0.0	0.0	0.0	0.0	3.5	55 Gallon Drum	3.3	0.0	0.0	0.0	0.0	3.3
Totals	3.5	0.0	0.0	0.0	0.0	3.5	Totals	3.3	0.0	0.0	0.0	0.0	3.3

As-Generated Form: Stored: 3.5 Projected: 0.0 Total: 3.5

Final Waste Form: Stored: 3.3 Projected: 0.0 Total: 3.3



WASTE STREAM DESCRIPTION	<p>This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of noncombustible materials including Pu-Be neutron sources (small fuel samples, small sections of moderator, a pu standard, and pu foil), tools, hot cell operating equipment, various containers, and ferrous and nonferrous metals. Some combustible materials may include paper, plastic and PVC containers, rags, Q-tips, string mop heads, and an electrical plug strip and cord.</p> <p>The organic content is less than 14 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15 gallon drums, and then placed in 55-gallon drums. Some individual items may be unbagged.</p>
WASTE STREAM SOURCE	<p>This record represents the [CH-Cert-repack] portion (58.84%) of the MWIR waste stream, [PU NEUTRON SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W358, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15, 13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W358	Handling: CH	NMVP #: N/A	Stream Name: PU NEUTRON SOURCES:CH-Uncertifiable	Inventory Date:
Local ID: ID-INL-152TN	Type: TRU	Generator Site: IN	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5420

**AS-GENERATED
EPA CODES**

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE:	N/A
Residues:	No		
Asbestos:	Unknown		
PCBs:	No		
Source:	Other/Multiple Sources		

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-240	1.93E+01
Pu-239	1.01E+01
Pu-238	2.21E+03

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of noncombustible materials including Pu-Be neutron sources (small fuel samples, small sections of moderator, a pu standard, and pu foil), tools, hot cell operating equipment, various containers, and ferrous and nonferrous metals. Some combustible materials may include paper, plastic and PVC containers, rags, Q-tips, string mop heads, and an electrical plug strip and cord.</p> <p>The organic content is less than 14 lb/r3. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1976, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15 gallon drums, and then placed in 55-gallon drums. Some individual items may be unbagged.</p>
WASTE STREAM SOURCE	<p>This record represents the [CH-Uncertifiable] portion (3.59%) of the MWIR waste stream, [PU NEUTRON SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitri TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W358, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W358	Handling: RH	NMVP #: N/A	Stream Name: PU NEUTRON SOURCES:RH-Cert-repack	Inventory Date:
Local ID: ID-INL-152TN	Type: TRU	Generator Site: IN	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5420

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
APP8	Iron-base Metal/Alloys:	67.4	0.0	1148.1	Defense TRU Waste	N/A	Pu-240	5.81E+00
	Aluminum-base Metal/Alloys:	0.0	0.0	1.1	Residues: No		Pu-239	3.02E+00
	Other Metals/Alloys:	0.1	0.0	15.9	Asbestos: Unknown		Pu-238	6.65E+02
	Other Inorganic Material:	1.7	0.0	16.8	PCBs: No			
	Vitrified:	0.0	0.0	0.0	Source: Other/Multiple Sources			
	Cellulosics:	56.7	0.0	129.6				
	Rubber:	5.1	0.0	11.5				
	Plastics:	45.5	0.0	104.5				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	526.0						
	Packaging Material Plastic:	26.0						
	Packaging Material Lead:	464.7						
	Packaging Material Steel Plug:	2145.1						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3	RH Canister used to overpack 55 gallon drums	2.4	0.0	0.0	0.0	0.0	2.4
RH Insert	0.2	0.0	0.0	0.0	0.0	0.2	Totals	2.4	0.0	0.0	0.0	0.0	2.4
Totals	1.5	0.0	0.0	0.0	0.0	1.5							

As-Generated Form: Stored: 1.5 Projected: 0.0 Total: 1.5 Final Waste Form: Stored: 2.4 Projected: 0.0 Total: 2.4

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at Argonne National Laboratory-West at the INEL. These wastes consist of noncombustible materials including Pu-Be neutron sources (small fuel samples, small sections of moderator, a pu standard, and pu foil), tools, hot cell operating equipment, various containers, and ferrous and nonferrous metals. Some combustible materials may include paper, plastic and PVC containers, rags, Q-tips, string mop heads, and an electrical plug strip and cord.</p> <p>The organic content is less than 14 lb/ft³. Combustibles, including packaging, may exceed 25 volume percent. The levels of dispersible fines should be within WIPP-WAC limits. No sludges or free liquids should be present. No explosive or pyrophoric materials should be in this waste.</p> <p>These wastes are packaged three different ways, depending on when the packaging was done. Pu-Be sources packaged in 1975 were placed in a carbon steel pipe, which was cemented and encapsulated into the center of a 55-gallon drum. In 1978, Pu-Be sources were packaged in four 55-gallon drums. Wastes packed in 1980 were wrapped plastic, placed in paraffin lined 15 gallon drums, and then placed in 55-gallon drums. Some individual items may be unbagged.</p>
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (30.06%) of the MWIR waste stream, [PU NEUTRON SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W358, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W359	Handling: CH	NMVP #: N/A	Stream Name: NEUTRON SOURCES	Inventory Date:
Local ID: ID-BTO-015TN	Type: TRU	Generator Site: BT	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S9000

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Source Information Not Compiled

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)
Pu-238 1.41E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	0.6	0.0	0.0	0.0	0.0	0.6	Totals	0.8	0.0	0.0	0.0	0.0	0.8

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6

Final Waste Form: Stored: 0.8 Projected: 0.0 Total: 0.8

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.
WASTE STREAM SOURCE	This waste stream was generated at UNK: UNK. The generating process is: UNK
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

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

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		
	Other Inorganic Material: 0.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Source Information Not Compiled		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 187.2			
	Packaging Material Plastic: 23.5			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.
WASTE STREAM SOURCE	This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [MISCELLANEOUS SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W360, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W360	Handling: CH	NMVP #: N/A	Stream Name: MISCELLANEOUS SOURCES: Cert-repack	Inventory Date:
Local ID: ID-BTO-012TN	Type: TRU	Generator Site: BT	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S9000

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max			
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Category: Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		
	Other Inorganic Material: 0.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Source Information Not Compiled		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 131.0			
	Packaging Material Plastic: 37.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [MISCELLANEOUS SOURCES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W360, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W361	Handling: CH	NMVP #: N/A	Stream Name: SOOT:Direct Ship	Inventory Date:
Local ID: ID-RFO-422TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3111

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	156.3		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	2.48E-04
Pu-241	9.18E+01
Pu-240	3.45E+00
Pu-239	1.52E+01
Pu-238	5.37E-01
Am-241	6.57E-03

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Totals	1.1	0.0	0.0	0.0	0.0	1.1	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.5	0.0	0.0	0.0	0.0	1.5

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 Final Waste Form: Stored: 1.5 Projected: 0.0 Total: 1.5



WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of flyash generated from periodic cleaning of the Pu recovery incinerator off-gas system. Ash is packaged in 1- and 2-quart PE bottles and then in standard RFP fashion in drums. Drums will hold up to 50 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SOOT] after processing. The proposed processing sequence is [SWEPP:egpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W361, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W361	Handling: CH	NMVP #: N/A	Stream Name: SOOT:Uncertifiable	Inventory Date:
Local ID: ID-RFO-422TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3111

**AS-GENERATED
EPA CODES**

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	4.96E-04
Pu-241	1.84E+02
Pu-240	6.90E+00
Pu-239	3.04E+01
Pu-238	1.07E+00
Am-241	1.31E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	4.0	0.0	0.0	0.0	0.0	4.0	55 Gallon Drum	2.1	0.0	0.0	0.0	0.0	2.1
Totals	4.0	0.0	0.0	0.0	0.0	4.0	Totals	2.1	0.0	0.0	0.0	0.0	2.1

As-Generated Form: Stored: 4.0 Projected: 0.0 Total: 4.0 Final Waste Form: Stored: 2.1 Projected: 0.0 Total: 2.1

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of flyash generated from periodic cleaning of the Pu recovery incinerator off-gas system. Ash is packaged in 1- and 2-quart PE bottles and then in standard RFP fashion in drums. Drums will hold up to 50 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [SOOT] after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W361, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W362	Handling: CH	NMVP #: N/A	Stream Name: ASH HEELS:Direct Ship	Inventory Date:
Local ID: ID-RFO-421TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3111

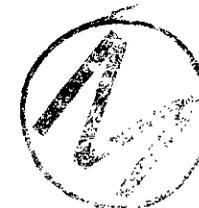
AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category: Defense TRU Waste	N/A	Isotope (Ci/m3)
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		Pu-242 7.88E-04
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Asbestos: No		Pu-241 2.92E+02
	Other Metals/Alloys: 0.0 0.0 0.0	PCBs: No		Pu-240 1.10E+01
	Other Inorganic Material: 0.0 0.0 0.0	Source: Materials Production/Recovery Effluents		Pu-239 4.83E+01
	Vitrified: 0.0 0.0 0.0			Pu-238 1.71E+00
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 152.4			
	Packaging Material Plastic: 0.0			
	Packaging Material Lead: 0.0			
	Packaging Material Steel Plug: 0.0			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	4.2	0.0	0.0	0.0	0.0	4.2	55 Gallon Drum	4.0	0.0	0.0	0.0	0.0	4.0
Totals	4.2	0.0	0.0	0.0	0.0	4.2	SWB used to overpack 55 gallon drums	1.4	0.0	0.0	0.0	0.0	1.4
							Totals	5.4	0.0	0.0	0.0	0.0	5.4

As-Generated Form: Stored: 4.2 Projected: 0.0 Total: 4.2 Final Waste Form: Stored: 5.4 Projected: 0.0 Total: 5.4

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of ash heels generated from the recovery of Pu from incinerator ash. Ash is packaged in 0.5- and 1-gallon PE bottles and then in standard RFP fashion in drums. Drums will hold up to 25 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [ASH HEELS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W362, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W362	Handling: CH	NMVP #: N/A	Stream Name: ASH HEELS:Uncertifiable	Inventory Date:
Local ID: ID-RFO-421TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3111

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.58E-03
Pu-241	5.83E+02
Pu-240	2.19E+01
Pu-239	9.66E+01
Pu-238	3.41E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	17.2	0.0	0.0	0.0	0.0	17.2	55 Gallon Drum	8.7	0.0	0.0	0.0	0.0	8.7
Totals	17.2	0.0	0.0	0.0	0.0	17.2	Totals	8.7	0.0	0.0	0.0	0.0	8.7

As-Generated Form: Stored: 17.2 Projected: 0.0 Total: 17.2 Final Waste Form: Stored: 8.7 Projected: 0.0 Total: 8.7



WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of ash heels generated from the recovery of Pu from incinerator ash. Ash is packaged in 0.5- and 1-gallon PE bottles and then in standard RFP fashion in drums. Drums will hold up to 25 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [ASH HEELS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:diap]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W362, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W363	Handling: CH	NMVP #: N/A	Stream Name: VIRGIN INCINERATOR ASH:Direct Ship	Inventory Date:
Local ID: ID-RFO-420TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3111

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	174.1		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.18E-04
Pu-241	1.18E+02
Pu-240	4.42E+00
Pu-239	1.95E+01
Pu-238	6.88E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.6	0.0	0.0	0.0	0.0	0.6	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, consists of ash generated in the Pu recovery incinerator. Ash is packaged in 0.5- and 1-gallon PE bottles and then in standard RFP fashion in drums. Drums will hold up to 25 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [VIRGIN INCINERATOR ASH] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W363, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W363	Handling: CH	NMVP #: N/A	Stream Name: VIRGIN INCINERATOR ASH:Uncertifiable	Inventory Date:
Local ID: ID-RFO-420TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3111

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotopes (Ci/m3)	
APP8	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	6.38E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	2.35E+02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		Pu-240	8.85E+00
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	3.90E+01
	Vitrified:	2500.0	2500.0	2500.0	Source: Materials Production/Recovery Effluents		Pu-238	1.38E+00
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.7	0.0	0.0	0.0	0.0	1.7	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Totals	1.7	0.0	0.0	0.0	0.0	1.7	Totals	1.0	0.0	0.0	0.0	0.0	1.0

As-Generated Form: Stored: 1.7 Projected: 0.0 Total: 1.7 Final Waste Form: Stored: 1.0 Projected: 0.0 Total: 1.0

WASTE STREAM DESCRIPTION This waste, generated at the Rocky Flats Plant, consists of ash generated in the Pu recovery incinerator. Ash is packaged in 0.5- and 1-gallon PE bottles and then in standard RFP fashion in drums. Drums will hold up to 25 bottles depending on Pu content. Bottles are individually assayed and fissile quantities calculated.

WASTE STREAM SOURCE This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [VIRGIN INCINERATOR ASH] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrif TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W363, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W364	Handling: CH	NMVP #: N/A	Stream Name: SAND, SLAG AND CRUCIBLES:Direct Ship	Inventory Date:
Local ID: ID-RFO-392TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.89E-04
Pu-241	2.92E+02
Pu-240	1.10E+01
Pu-239	4.84E+01
Pu-238	1.71E+00



WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	55 Gallon Drum	0.4	0.0	0.0	0.0	0.0	0.4
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.9	0.0	0.0	0.0	0.0	0.9

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.9 Projected: 0.0 Total: 0.9

WASTE STREAM DESCRIPTION	Specific information is not available for this content code. The waste stream is thought to be similar to content code 391, crucibles and sand. The operation which generated the waste is unknown. The waste packaging and handling procedures are unknown, although the waste form is thought to be similar to content code 391.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SAND, SLAG AND CRUCIBLES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W364, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W364	Handling: CH	NMVP #: N/A	Stream Name: SAND, SLAG AND CRUCIBLES:CH-Uncert	Inventory Date:
Local ID: ID-RFO-392TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED WASTE MATERIAL PARAMETERS (kg/m3) FINAL WASTE FORM DESCRIPTORS TRUCON CODE FINAL FORM RADIONUCLIDES

AS-GENERATED EPA CODES N/A	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS	TRUCON CODE N/A	FINAL FORM RADIONUCLIDES			
		Avg	Min			Max	Category: Defense TRU Waste	Isotope (Ci/m3)	
	Iron-base Metal/Alloys:	0.0	0.0			0.0	Residues: No	Pu-242	1.58E-03
	Aluminum-base Metal/Alloys:	0.0	0.0			0.0	Asbestos: Unknown	Pu-241	5.84E+02
	Other Metals/Alloys:	0.0	0.0			0.0	PCBs: No	Pu-240	2.19E+01
	Other Inorganic Material:	0.0	0.0			0.0	Source: Materials Production/Recovery Effluents	Pu-239	9.67E+01
	Vitrified:	2500.0	2500.0			2500.0		Pu-238	3.42E+00
	Cellulosics:	0.0	0.0			0.0			
	Rubber:	0.0	0.0			0.0			
	Plastics:	0.0	0.0			0.0			
	Solidified Inorganic Material:	0.0	0.0			0.0			
	Solidified Organic Material:	0.0	0.0			0.0			
	Cement (solidified):	0.0	0.0			0.0			
	Soils:	0.0	0.0			0.0			
	Packaging Material Steel:	131.0							
Packaging Material Plastic:	0.0								
Packaging Material Lead:	0.0								
Packaging Material Steel Plug:	0.0								

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	1.1	0.0	0.0	0.0	0.0	1.1	Totals	0.6	0.0	0.0	0.0	0.0	0.6

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 **Final Waste Form:** Stored: 0.6 Projected: 0.0 Total: 0.6

WASTE STREAM DESCRIPTION	Specific information is not available for this content code. The waste stream is thought to be similar to content code 391, crucibles and sand. The operation which generated the waste is unknown. The waste packaging and handling procedures are unknown, although the waste form is thought to similar to content code 391.
WASTE STREAM SOURCE	<p>This record represents the [CH-Uncert] portion (72%) of the MWIR waste stream, [SAND, SLAG AND CRUCIBLES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size Incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W364, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W364	Handling: RH	NMVP #: N/A	Stream Name: SAND, SLAG AND CRUCIBLES:RH-Uncert	Inventory Date:
Local ID: ID-RFO-392TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES **WASTE MATERIAL PARAMETERS (kg/m3)** **FINAL WASTE FORM DESCRIPTORS** **TRUCON CODE** **FINAL FORM RADIONUCLIDES**

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																				
				Isotope (Ci/m3)																																																																				
N/A	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr><td>Iron-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Aluminum-base Metal/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Metals/Alloys:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Other Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Vitrified:</td><td>2500.0</td><td>2500.0</td><td>2500.0</td></tr> <tr><td>Cellulosics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Rubber:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Plastics:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Inorganic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Solidified Organic Material:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Cement (solidified):</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Soils:</td><td>0.0</td><td>0.0</td><td>0.0</td></tr> <tr><td>Packaging Material Steel:</td><td>526.0</td><td></td><td></td></tr> <tr><td>Packaging Material Plastic:</td><td>26.0</td><td></td><td></td></tr> <tr><td>Packaging Material Lead:</td><td>464.7</td><td></td><td></td></tr> <tr><td>Packaging Material Steel Plug:</td><td>2145.1</td><td></td><td></td></tr> </tbody> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	2500.0	2500.0	2500.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	526.0			Packaging Material Plastic:	26.0			Packaging Material Lead:	464.7			Packaging Material Steel Plug:	2145.1			Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Materials Production/Recovery Effluents	N/A	Pu-242 1.58E-03 Pu-241 5.84E+02 Pu-240 2.19E+01 Pu-239 9.67E+01 Pu-238 3.42E+00
	Avg	Min	Max																																																																					
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Other Metals/Alloys:	0.0	0.0	0.0																																																																					
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WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2	Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2
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WASTE STREAM DESCRIPTION	Specific information is not available for this content code. The waste stream is thought to be similar to content code 391, crucibles and sand. The operation which generated the waste is unknown. The waste packaging and handling procedures are unknown, although the waste form is thought to similar to content code 391.
WASTE STREAM SOURCE	<p>This record represents the [RH-Uncert] portion (8%) of the MWIR waste stream, [SAND, SLAG AND CRUCIBLES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W364, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W365	Handling: CH	NMVP #: N/A	Stream Name: CRUCIBLES AND SAND:Direct Ship	Inventory Date:
Local ID: ID-RFO-391TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	2.17E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	8.03E+01
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	3.02E+00
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	1.33E+01
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		Pu-238	4.70E-01
	Cellulosics:	0.0	0.0	0.0			Am-241	6.68E+01
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.1	0.0	0.0	0.0	0.0	1.1	55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	1.1	0.0	0.0	0.0	0.0	1.1	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.3	0.0	0.0	0.0	0.0	1.3

As-Generated Form: Stored: 1.1 Projected: 0.0 Total: 1.1 Final Waste Form: Stored: 1.3 Projected: 0.0 Total: 1.3

WASTE STREAM DESCRIPTION	<p>This waste consists of broken magnesium oxide crucibles and limited amounts of magnesium oxide sand, used in a molten salt cleanup project when reducing plutonium tetrafluoride to plutonium metal. Above-discard levels of plutonium were recovered from these crucibles by nitric acid leaching.</p> <p>The waste stream handling and packaging is as follows: the crucibles were placed into 1-gallon PE bottles. Each bottle was double-bagged out the glovebox in PVC and PE bags. Each bottle was assayed and the placed in prepared 55-gallon drums, about 12-16 bottles per drum. Some of the drums were lead-lined. Prior to 1972, the drums were lined with one or two PE bags, which were sealed with tape. Some of the drums may have cardboard liners inside of the inner liner. After 1972, 90-mil sealed rigid liners were used in addition to one or two PE bags.</p> <p>Since 1972, drums were inspected (and corrected where needed) for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in February 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [CRUCIBLES AND SAND] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W365, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W365	Handling: CH	NMVP #: N/A	Stream Name: CRUCIBLES AND SAND:CH-Uncert	Inventory Date:
Local ID: ID-RFO-391TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES																																																																	
N/A	<table border="1"> <thead> <tr> <th></th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tr> <td>Iron-base Metal/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Aluminum-base Metal/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Other Metals/Alloys:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Other Inorganic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Vitrified:</td> <td>2500.0</td> <td>2500.0</td> <td>2500.0</td> </tr> <tr> <td>Cellulosics:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Rubber:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Plastics:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Solidified Inorganic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Solidified Organic Material:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Cement (solidified):</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Soils:</td> <td>0.0</td> <td>0.0</td> <td>0.0</td> </tr> <tr> <td>Packaging Material Steel:</td> <td>131.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Plastic:</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Lead:</td> <td>0.0</td> <td></td> <td></td> </tr> <tr> <td>Packaging Material Steel Plug:</td> <td>0.0</td> <td></td> <td></td> </tr> </table>		Avg	Min	Max	Iron-base Metal/Alloys:	0.0	0.0	0.0	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Other Metals/Alloys:	0.0	0.0	0.0	Other Inorganic Material:	0.0	0.0	0.0	Vitrified:	2500.0	2500.0	2500.0	Cellulosics:	0.0	0.0	0.0	Rubber:	0.0	0.0	0.0	Plastics:	0.0	0.0	0.0	Solidified Inorganic Material:	0.0	0.0	0.0	Solidified Organic Material:	0.0	0.0	0.0	Cement (solidified):	0.0	0.0	0.0	Soils:	0.0	0.0	0.0	Packaging Material Steel:	131.0			Packaging Material Plastic:	0.0			Packaging Material Lead:	0.0			Packaging Material Steel Plug:	0.0		
	Avg	Min	Max																																																																		
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Aluminum-base Metal/Alloys:	0.0	0.0	0.0																																																																		
Other Metals/Alloys:	0.0	0.0	0.0																																																																		
Other Inorganic Material:	0.0	0.0	0.0																																																																		
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Plastics:	0.0	0.0	0.0																																																																		
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Packaging Material Lead:	0.0																																																																				
Packaging Material Steel Plug:	0.0																																																																				

 Category: Defense TRU Waste Residues: No Asbestos: Unknown PCBs: No Source: Materials Production/Recovery Effluents | N/A | | Isotope (Ci/m3) | | |-------------------|----------| | Pu-242 | 7.23E-04 | | Pu-241 | 2.68E+02 | | Pu-240 | 1.01E+01 | | Pu-239 | 4.43E+01 | | Pu-238 | 1.57E+00 | | Am-241 | 2.22E+02 | |

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	3.2	0.0	0.0	0.0	0.0	3.2	55 Gallon Drum	1.0	0.0	0.0	0.0	0.0	1.0
Totals	3.2	0.0	0.0	0.0	0.0	3.2	Totals	1.0	0.0	0.0	0.0	0.0	1.0

As-Generated Form: Stored: 3.2 Projected: 0.0 Total: 3.2 Final Waste Form: Stored: 1.0 Projected: 0.0 Total: 1.0



WASTE STREAM DESCRIPTION	<p>This waste consists of broken magnesium oxide crucibles and limited amounts of magnesium oxide sand, used in a molten salt cleanup project when reducing plutonium tetrafluoride to plutonium metal. Above-discard levels of plutonium were recovered from these crucibles by nitric acid leaching.</p> <p>The waste stream handling and packaging is as follows: the crucibles were placed into 1-gallon PE bottles. Each bottle was double-bagged out the glovebox in PVC and PE bags. Each bottle was assayed and the placed in prepared 55 gallon drums, about 12-16 bottles per drum. Some of the drums were lead-lined. Prior to 1972, the drums were lined with one or two PE bags, which were sealed with tape. Some of the drums may have cardboard liners inside of the inner liner. After 1972, 90-mil sealed rigid liners were used in addition to one or two PE bags.</p> <p>Since 1972, drums were inspected (and corrected where needed) for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in February 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.</p>
WASTE STREAM SOURCE	<p>This record represents the [CH-Uncert] portion (72%) of the MWIR waste stream, [CRUCIBLES AND SAND] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vtrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W365, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W365	Handling: RH	NMVP #: N/A	Stream Name: CRUCIBLES AND SAND:RH-Uncert	Inventory Date:
Local ID: ID-RFO-391TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	7.23E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	2.68E+02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	1.01E+01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	4.43E+01
	Vitrified:	2500.0	2500.0	2500.0	Source: Materials Production/Recovery Effluents		Pu-238	1.57E+00
	Cellulosics:	0.0	0.0	0.0			Am-241	2.22E+02
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	526.0						
	Packaging Material Plastic:	26.0						
	Packaging Material Lead:	464.7						
	Packaging Material Steel Plug:	2145.1						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.4	0.0	0.0	0.0	0.0	0.4	RH Canister used to overpack 55 gallon drums	1.2	0.0	0.0	0.0	0.0	1.2
Totals	0.4	0.0	0.0	0.0	0.0	0.4	Totals	1.2	0.0	0.0	0.0	0.0	1.2

As-Generated Form: Stored: 0.4 Projected: 0.0 Total: 0.4 Final Waste Form: Stored: 1.2 Projected: 0.0 Total: 1.2

WASTE STREAM DESCRIPTION	<p>This waste consists of broken magnesium oxide crucibles and limited amounts of magnesium oxide sand, used in a molten salt cleanup project when reducing plutonium tetrafluoride to plutonium metal. Above-discard levels of plutonium were recovered from these crucibles by nitric acid leaching.</p> <p>The waste stream handling and packaging is as follows: the crucibles were placed into 1-gallon PE bottles. Each bottle was double-bagged out the glovebox in PVC and PE bags. Each bottle was assayed and the placed in prepared 55 gallon drums, about 12-16 bottles per drum. Some of the drums were lead-lined. Prior to 1972, the drums were lined with one or two PE bags, which were sealed with tape. Some of the drums may have cardboard liners inside of the inner liner. After 1972, 90-mil sealed rigid liners were used in addition to one or two PE bags.</p> <p>Since 1972, drums were inspected (and corrected where needed) for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in February 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.</p>
WASTE STREAM SOURCE	<p>This record represents the [RH-Uncert] portion (8%) of the MWIR waste stream, [CRUCIBLES AND SAND] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W365, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W366	Handling: CH	NMVP #: N/A	Stream Name: LECO CRUCIBLES: Cert-repack	Inventory Date:
Local ID: ID-RFO-370TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	293.0	48.1	1149.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Analytical Laboratory Waste

TRUCON CODE

222

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.18E-04
Pu-241	4.37E+01
Pu-240	1.84E+00
Pu-239	7.23E+00
Pu-238	2.56E-01
Am-241	1.52E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.9	0.0	0.0	0.0	0.0	1.9	55 Gallon Drum	2.1	0.0	0.0	0.0	0.0	2.1
Totals	1.9	0.0	0.0	0.0	0.0	1.9	Totals	2.1	0.0	0.0	0.0	0.0	2.1

As-Generated Form: Stored: 1.9 Projected: 0.0 Total: 1.9 Final Waste Form: Stored: 2.1 Projected: 0.0 Total: 2.1

WASTE STREAM DESCRIPTION

This waste stream includes blank LECO crucibles and caps used for sample analysis. The crucibles are 1 inch high by 1 inch diameter, made of fired silica based ceramic. The crucibles were used to calibrate the LECO analyzer, and contain fused amounts of accelerating metals (iron, tin, copper, titanium, stainless steel, etc.) used for blank calibration. The crucibles should be unbroken except for those generated prior to 1975, which were broken before packaging. Even when broken, there should be minimal respirable or dispersible fines which would not exceed the WIPP-WAC.

The waste stream handling and packaging is as follows: blank crucibles and caps were placed into 1-gallon metal paint cans, about 150-200 per can. The can lid was placed and sealed with tape. each paint can was double-bagged out the glovebox in PVC or PE-PVC bags and placed in prepared 55-gallon drums, about 20-25 cans per drum. Prior to 1972, 90-mil sealed rigid liners were used in addition to the two PE bags.

Since 1972, drums were inspected (and corrected where needed) for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in February 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.

WASTE STREAM SOURCE

This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [LECO CRUCIBLES] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W366, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W366	Handling: CH	NMVP #: N/A	Stream Name: LECO CRUCIBLES:Direct Ship	Inventory Date:
Local ID: ID-RFO-370TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3117

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	222.0	36.4	870.7
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	165.9		
Packaging Material Plastic:	28.6		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: Unknown
 PCBs: No
 Source: Analytical Laboratory Waste

TRUCON CODE

222

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.18E-04
Pu-241	4.37E+01
Pu-240	1.64E+00
Pu-239	7.23E+00
Pu-238	2.56E-01
Am-241	1.52E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	1.1	0.0	0.0	0.0	0.0	1.1

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6

Final Waste Form: Stored: 1.1 Projected: 0.0 Total: 1.1



WASTE STREAM DESCRIPTION	<p>This waste stream includes blank LECO crucibles and caps used for sample analysis. The crucibles are 1 inch high by 1 inch diameter, made of fired silica based ceramic. The crucibles were used to calibrate the LECO analyzer, and contain fused amounts of accelerating metals (iron, tin, copper, titanium, stainless steel, etc.) used for blank calibration. The crucibles should be unbroken except for those generated prior to 1975, which were broken before packaging. Even when broken, there should be minimal respirable or dispersible fines which would not exceed the WIPP-WAC.</p> <p>The waste stream handling and packaging is as follows: blank crucibles and caps were placed into 1-gallon metal paint cans, about 150-200 per can. The can lid was placed and sealed with tape. each paint can was double-bagged out the glovebox in PVC or PE-PVC bags and placed in prepared 55-gallon drums, about 20-25 cans per drum. Prior to 1972, 90-mil sealed rigid liners were used in addition to the two PE bags.</p> <p>Since 1972, drums were inspected (and corrected where needed) for free liquids, proper packaging, and proper content code. One to two quarts of Oil-dri was placed on the outer sealed PE drum bag. Starting in February 1982, 3-12 lb of vermiculite was used to fill the space between the outer drum bag and the rigid liner.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [LECO CRUCIBLES] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W366, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W367	Handling: CH	NMVP #: N/A	Stream Name: GRAPHITE HEELS:Uncertifiable	Inventory Date:
Local ID: ID-RFO-311TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3110

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
	Avg	Min	Max	Category:			Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	2.42E-02
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues:	No	Pu-241	8.97E+03
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos:	Unknown	Pu-240	3.37E+02
	Other Inorganic Material:	0.0	0.0	0.0	PCBs:	No	Pu-239	1.49E+03
	Vitrified:	2500.0	2500.0	2500.0	Source:	Materials Production/Recovery Effluents	Pu-238	5.25E+01
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Box	3.2	0.0	0.0	0.0	0.0	3.2	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	3.2	0.0	0.0	0.0	0.0	3.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 3.2 Projected: 0.0 Total: 3.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the Rocky Flats Plant. Graphite heels are the remaining insoluble residue generated from leaching graphite scarrings with hot nitric acid. The 6 waste drums contain fines. This box may contain graphite molds and other foundry supplies from a cleanup after a fire in Building 776.</p> <p>The graphite heels are residues of dried filter cake. The waste is almost entirely carbon powder granules. The waste should be inert in storage, but it is essentially 100% combustible. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric, hazardous or corrosive materials.</p> <p>Graphite heels are collected into 1-gal PE bottles. Each bottle is sealed inside PVC and PE bags, and then assayed. About 15-20 bottles will fit into a drum. Drums and the box were packed according to the usual pre-1972 and post 1972 procedures. Since 1972, the drums were also processed according to inspection and sealing procedures, and, since 1982 vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. Assay method for the box is unknown.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (5.73%) of the MWIR waste stream, [GRAPHITE HEELS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:diap]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W367, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W367	Handling: CH	NMVP #: N/A	Stream Name: GRAPHITE HEELS:Direct Ship	Inventory Date:
Local ID: ID-RFO-311TN	Type: TRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S3110

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	2.42E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	8.97E+01
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	3.37E+00
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	1.49E+01
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		Pu-238	5.25E-01
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	147.3						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.3	0.0	0.0	0.0	0.0	1.3	55 Gallon Drum	3.7	0.0	0.0	0.0	0.0	3.7
Totals	1.3	0.0	0.0	0.0	0.0	1.3	SWB used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
							Totals	4.7	0.0	0.0	0.0	0.0	4.7

As-Generated Form: Stored: 1.3 Projected: 0.0 Total: 1.3 Final Waste Form: Stored: 4.7 Projected: 0.0 Total: 4.7

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the Rocky Flats Plant. Graphite heels are the remaining insoluble residue generated from leaching graphite scarfings with hot nitric acid. The 6 waste drums contain fines. This box may contain graphite molds and other foundry supplies from a cleanup after a fire in Building 778.</p> <p>The graphite heels are residues of dried filter cake. The waste is almost entirely carbon powder granules. The waste should be inert in storage, but it is essentially 100% combustible. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric, hazardous or corrosive materials.</p> <p>Graphite heels are collected into 1-gal PE bottles. Each bottle is sealed inside PVC and PE bags, and then assayed. About 15-20 bottles will fit into a drum. Drums and the box were packed according to the usual pre-1972 and post 1972 procedures. Since 1972, the drums were also processed according to inspection and sealing procedures, and, since 1982 vermiculite instead of Oil-Dri was placed on top of the outer sealed PE drum bag. Assay method for the box is unknown.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (94.27%) of the MWIR waste stream, [GRAPHITE HEELS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:dlap]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W367, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W368	Handling: CH	NMVP #: N/A	Stream Name: GRAPHITE SCARFINGS:Uncertifiable	Inventory Date:
Local ID: ID-RFO-310TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3110

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.22E-03
Pu-241	2.30E+03
Pu-240	8.64E+01
Pu-239	3.81E+02
Pu-238	1.35E+01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.8	0.0	0.0	0.0	0.0	2.8	55 Gallon Drum	0.2	0.0	0.0	0.0	0.0	0.2
Totals	2.8	0.0	0.0	0.0	0.0	2.8	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 2.8 Projected: 0.0 Total: 2.8 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the Rocky Flats Plant. Graphite scarfings are the pieces of graphite waste generated from scarfing or scraping graphite molds to remove adhered plutonium. The scarfings were not leached with nitric acid to recover plutonium, because the plutonium content was not at above-discard levels. Scarfings which had above-discard plutonium levels were leached and then identified as content code 311.</p> <p>This waste is almost entirely carbon powder and granules. The waste should be inert in storage, but it is essentially 100% combustible. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.</p> <p>Scarfings are collected into 1-gallon PE bottles. Each bottle is sealed inside PVC and PE bags, and then assayed. About 15-20 bottles will fit into a drum. Drums were packed according to the usual pre-1972 and post 1972 procedures. Since 1972, the drums were also processed according to inspection and sealing procedures, and, since 1982, vermiculite instead of Oil-dri was placed on top of the outer sealed PE drum bag.</p>
WASTE STREAM SOURCE	<p>This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [GRAPHITE SCARFINGS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incln vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W368, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W368	Handling: CH	NMVP #: N/A	Stream Name: GRAPHITE SCARFINGS:Direct Ship	Inventory Date:
Local ID: ID-RFO-310TN	Type: TRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S3110

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	165.9		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	6.22E-05
Pu-241	2.30E+01
Pu-240	8.64E-01
Pu-239	3.81E+00
Pu-238	1.35E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.6	0.0	0.0	0.0	0.0	0.6
Totals	0.6	0.0	0.0	0.0	0.0	0.6	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.1	0.0	0.0	0.0	0.0	1.1

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6 Final Waste Form: Stored: 1.1 Projected: 0.0 Total: 1.1



WASTE STREAM DESCRIPTION	<p>This waste stream was generated at the Rocky Flats Plant. Graphite scarfings are the pieces of graphite waste generated from scarfing or scraping graphite molds to remove adhered plutonium. The scarfings were not leached with nitric acid to recover plutonium, because the plutonium content was not at above-discard levels. Scarfings which had above-discard plutonium levels were leached and then identified as content code 311.</p> <p>This waste is almost entirely carbon powder and granules. The waste should be inert in storage, but it is essentially 100% combustible. The waste is packaged with no free liquids, sludges, explosives, compressed gases, pyrophoric or corrosive materials.</p> <p>Scarfings are collected into 1-gallon PE bottles. Each bottle is sealed inside PVC and PE bags, and then assayed. About 15-20 bottles will fit into a drum. Drums were packed according to the usual pre-1972 and post 1972 procedures. Since 1972, the drums were also processed according to inspection and sealing procedures, and, since 1982, vermiculite instead of Oil-dri was placed on top of the outer sealed PE drum bag.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [GRAPHITE SCARFINGS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W368, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W369	Handling: CH	NMVP #: 115	Stream Name: SCARFED GRAPHITE CHUNKS:Direct Ship	Inventory Date:
Local ID: ID-RFO-303TN	Type: TRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5128

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	293.3	32.2	349.3
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	154.7		
Packaging Material Plastic:	31.3		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste
 Residues: No
 Asbestos: Unknown
 PCBs: No
 Source: Materials Production/Recovery Effluents

TRUCON CODE

115

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.11E-04
Pu-241	4.12E+01
Pu-240	1.55E+00
Pu-239	6.83E+00
Pu-238	2.41E-01
Am-241	1.51E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	2.5	0.0	0.0	0.0	0.0	2.5
Totals	2.5	0.0	0.0	0.0	0.0	2.5

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	2.3	0.0	0.0	0.0	0.0	2.3
SWB used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
Totals	3.2	0.0	0.0	0.0	0.0	3.2

As-Generated Form: Stored: 2.5 Projected: 0.0 Total: 2.5

Final Waste Form: Stored: 3.2 Projected: 0.0 Total: 3.2

WASTE STREAM DESCRIPTION	After the casting of plutonium in production foundry operations, Item Description Code (IDC) 300 and 301 wastes were mechanically cleaned using a hand-held rotary type sanding tool to grind off contamination, generating scarfed graphite chunks. The mechanical cleaning (scarfing) of the mold surface removed most of the mold coating and plutonium contamination.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SCARFED GRAPHITE CHUNKS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W369, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W369	Handling: CH	NMVP #: 115	Stream Name: SCARFED GRAPHITE CHUNKS: Cert-repack	Inventory Date:
Local ID: ID-RFO-303TN	Type: TRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5126

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	351.0	38.5	418.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	37.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: Materials Production/Recovery Effluents

TRUCON CODE

115

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	1.11E-04
Pu-241	4.12E+01
Pu-240	1.55E+00
Pu-239	6.83E+00
Pu-238	2.41E-01
Am-241	1.51E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	9.8	0.0	0.0	0.0	0.0	9.8	55 Gallon Drum	10.0	0.0	0.0	0.0	0.0	10.0
Totals	9.8	0.0	0.0	0.0	0.0	9.8	Totals	10.0	0.0	0.0	0.0	0.0	10.0

As-Generated Form: Stored: 9.8 Projected: 0.0 Total: 9.8 Final Waste Form: Stored: 10.0 Projected: 0.0 Total: 10.0

WASTE STREAM DESCRIPTION	After the casting of plutonium in production foundry operations, Item Description Code (IDC) 300 and 301 wastes were mechanically cleaned using a hand-held rotary type sanding tool to grind off contamination, generating scarfed graphite chunks. The mechanical cleaning (scarfing) of the mold surface removed most of the mold coating and plutonium contamination.
WASTE STREAM SOURCE	<p>This record represents the [Carl-repack] portion (80%) of the MWIR waste stream, [SCARFED GRAPHITE CHUNKS] after processing. The proposed processing sequence is [SWEPP:segpk (WPF:segpk segpk TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W369, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W370	Handling: CH	NMVP #: N/A	Stream Name: GRAPHITE WASTE:Direct Ship	Inventory Date:
Local ID: ID-RFO-115TN	Type: TRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5126

AS-GENERATED EPA CODES

APP8

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	308.0	33.8	366.7
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	148.7		
Packaging Material Plastic:	32.7		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste
Residues:	No
Asbestos:	Unknown
PCBs:	No
Source:	Materials Production/Recovery Effluents

TRUCON CODE

115

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
U-235	1.18E-06
Pu-242	1.36E-04
Pu-241	5.05E+01
Pu-240	1.90E+00
Pu-239	8.36E+00
Pu-238	2.95E-01

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	13.4	0.0	0.0	0.0	0.0	13.4	55 Gallon Drum	11.9	0.0	0.0	0.0	0.0	11.9
Totals	13.4	0.0	0.0	0.0	0.0	13.4	SWB used to overpack 55 gallon drums	3.3	0.0	0.0	0.0	0.0	3.3
							Totals	15.2	0.0	0.0	0.0	0.0	15.2

As-Generated Form: Stored: 13.4 Projected: 0.0 Total: 13.4

Final Waste Form: Stored: 15.2 Projected: 0.0 Total: 15.2



WASTE STREAM DESCRIPTION	TRU (for WIPP) graphite waste consists of discarded graphite molds, laboratory equipment and furnace equipment (whole pieces) from plutonium casting of laboratory operations. The IDCs packaged and included in 115 are 300 and 303.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [GRAPHITE WASTE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W370, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W370	Handling: CH	NMVP #: N/A	Stream Name: GRAPHITE WASTE: Cert-repack	Inventory Date:
Local ID: ID-RFO-115TN	Type: TRU	Generator Site: RF	Final Waste Form: Graphite	Waste Matrix Code: S5126

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
APP8	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	115	U-235	1.18E-06
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-242	1.36E-04
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-241	5.05E+01
	Other Inorganic Material:	351.0	38.5	418.0	PCBs: No		Pu-240	1.90E+00
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		Pu-239	8.36E+00
	Cellulosics:	0.0	0.0	0.0			Pu-238	2.95E-01
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	53.4	0.0	0.0	0.0	0.0	53.4	55 Gallon Drum	53.5	0.0	0.0	0.0	0.0	53.5
Totals	53.4	0.0	0.0	0.0	0.0	53.4	Totals	53.5	0.0	0.0	0.0	0.0	53.5

As-Generated Form: Stored: 53.4 Projected: 0.0 Total: 53.4 Final Waste Form: Stored: 53.5 Projected: 0.0 Total: 53.5

WASTE STREAM DESCRIPTION TRU (for WIPP) graphite waste consists of discarded graphite molds, laboratory equipment and furnace equipment (whole pieces) from plutonium casting of laboratory operations. The IDCs packaged and included in 115 are 300 and 303.

WASTE STREAM SOURCE This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [GRAPHITE WASTE] after processing. The proposed processing sequence is [SWEPP:segpk (WPF:segpk segpk TRANS:trans WIPP:disp)]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W370, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS N/A

FINAL FORM COMMENTS All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W371	Handling: CH	NMVP #: N/A	Stream Name: ZINC MAGNESIUM ALLOY METAL: Cert-repack	Inventory Date:
Local ID: ID-RFO-416TN	Type: TRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5111

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	217	Pu-242	7.62E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	2.82E+02
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	1.06E+01
	Other Inorganic Material:	615.0	0.0	0.0	PCBs: No		Pu-239	4.67E+01
	Vitrified:	0.0	0.0	0.0	Source: R&D/R&D Laboratory Waste		Pu-238	1.65E+00
	Cellulosics:	0.0	0.0	0.0			Am-241	5.02E+02
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	37.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	Totals	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION	This waste come from the Rocky Flats Plant. It consists of one lead-lined drum of small billets of zinc-magnesium alloy metal used in a research and development salt cleanup project. The billets are individually packaged in a produce can and sealed with a roll seam. Each can is contained in two plastic bags and then placed in a stainless steel can. Approximately 50 stainless steel cans are loaded in a single drum.
WASTE STREAM SOURCE	<p>This record represents the [Cert-repack] portion (80%) of the MWIR waste stream, [ZINC MAGNESIUM ALLOY METAL] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W371, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W371	Handling: CH	NMVP #: N/A	Stream Name: ZINC MAGNESIUM ALLOY METAL: Direct Ship	Inventory Date:
Local ID: ID-RFO-416TN	Type: TRU	Generator Site: RF	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S5111

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	376.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	187.2		
Packaging Material Plastic:	23.5		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: Unknown

PCBs: No

Source: R&D/R&D Laboratory Waste

TRUCON CODE

217

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	7.62E-04
Pu-241	2.82E+02
Pu-240	1.06E+01
Pu-239	4.67E+01
Pu-238	1.65E+00
Am-241	5.02E+02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.7 Projected: 0.0 Total: 0.7

WASTE STREAM DESCRIPTION	This waste come from the Rocky Flats Plant. It consists of one lead-lined drum of small billets of zinc-magnesium alloy metal used in a research and development salt cleanup project. The billets are individually packaged in a produce can and sealed with a roll seam. Each can is contained in two plastic bags and then placed in a stainless steel can. Approximately 50 stainless steel cans are loaded in a single drum.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [ZINC MAGNESIUM ALLOY METAL] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W371, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W372	Handling: CH	NMVP #: N/A	Stream Name: MET SAMPLES FISSILE: Direct Ship	Inventory Date:
Local ID: ID-BTO-081TN	Type: TRU	Generator Site: BT	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3100

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m³)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	180.3		
Packaging Material Plastic:	29.9		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category:	Defense TRU Waste	TRUCON CODE	N/A	FINAL FORM RADIONUCLIDES	N/A
Residues:	No				
Asbestos:	Unknown				
PCBs:	No				
Source:	Source Information Not Compiled				

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					Final Waste Form Volumes							
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.6	0.0	0.0	0.0	0.0	0.6	55 Gallon Drum	0.8	0.0	0.0	0.0	0.0	0.8
Totals	0.6	0.0	0.0	0.0	0.0	0.6	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	1.3	0.0	0.0	0.0	0.0	1.3

As-Generated Form: Stored: 0.6 Projected: 0.0 Total: 0.6

Final Waste Form: Stored: 1.3 Projected: 0.0 Total: 1.3

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [MET SAMPLES FISSILE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W372, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 6.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W372	Handling: RH	NMVP #: N/A	Stream Name: MET SAMPLES FISSILE:RH-Cert-repack	Inventory Date:
Local ID: ID-BTO-081TN	Type: TRU	Generator Site: BT	Final Waste Form: Uncategorized Metal	Waste Matrix Code: S3100

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)	FINAL WASTE FORM DESCRIPTORS	TRUCON CODE	FINAL FORM RADIONUCLIDES
	Avg Min Max	Category:		
N/A	Iron-base Metal/Alloys: 0.0 0.0 0.0	Defense TRU Waste	N/A	N/A
	Aluminum-base Metal/Alloys: 0.0 0.0 0.0	Residues: No		
	Other Metals/Alloys: 0.0 0.0 0.0	Asbestos: Unknown		
	Other Inorganic Material: 0.0 0.0 0.0	PCBs: No		
	Vitrified: 0.0 0.0 0.0	Source: Source Information Not Complied		
	Cellulosics: 0.0 0.0 0.0			
	Rubber: 0.0 0.0 0.0			
	Plastics: 0.0 0.0 0.0			
	Solidified Inorganic Material: 0.0 0.0 0.0			
	Solidified Organic Material: 0.0 0.0 0.0			
	Cement (solidified): 0.0 0.0 0.0			
	Soils: 0.0 0.0 0.0			
	Packaging Material Steel: 526.0			
	Packaging Material Plastic: 26.0			
	Packaging Material Lead: 464.7			
	Packaging Material Steel Plug: 2145.1			

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	3.0	0.0	0.0	0.0	0.0	3.0	RH Canister used to overpack 55 gallon drums	4.7	0.0	0.0	0.0	0.0	4.7
Totals	3.0	0.0	0.0	0.0	0.0	3.0	Totals	4.7	0.0	0.0	0.0	0.0	4.7

As-Generated Form: Stored: 3.0 Projected: 0.0 Total: 3.0 Final Waste Form: Stored: 4.7 Projected: 0.0 Total: 4.7

WASTE STREAM DESCRIPTION	There is no descriptive or constituent information available for this waste, which was generated at Bettis Atomic Power Laboratory.
WASTE STREAM SOURCE	<p>This record represents the [RH-Cert-repack] portion (80%) of the MWIR waste stream, [MET SAMPLES FISSILE] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W372, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads and examination of waste by real time radiography will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W373	Handling: CH	NMVP #: N/A	Stream Name: INSULATION HEELS:Direct Ship	Inventory Date:
Local ID: ID-RFO-361TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3110

AS-GENERATED EPA CODES **WASTE MATERIAL PARAMETERS (kg/m3)** **FINAL WASTE FORM DESCRIPTORS** **TRUCON CODE** **FINAL FORM RADIONUCLIDES**

AS-GENERATED EPA CODES N/A	Iron-base Metal/Alloys:	Avg	Min	Max	Category: Defense TRU Waste	N/A	Isotope (Ci/m3) Pu-242 8.92E-04 Pu-241 3.30E+02 Pu-240 1.24E+01 Pu-239 5.46E+01 Pu-238 1.93E+00
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		
	Vitrified:	0.0	0.0	0.0	Source: Materials Production/Recovery Effluents		
	Cellulosics:	0.0	0.0	0.0			
	Rubber:	0.0	0.0	0.0			
	Plastics:	0.0	0.0	0.0			
	Solidified Inorganic Material:	0.0	0.0	0.0			
	Solidified Organic Material:	0.0	0.0	0.0			
	Cement (solidified):	0.0	0.0	0.0			
	Soils:	0.0	0.0	0.0			
	Packaging Material Steel:	187.2					
	Packaging Material Plastic:	0.0					
	Packaging Material Lead:	0.0					
Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
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
Totals	0.2	0.0	0.0	0.0	0.0	0.2	SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
							Totals	0.7	0.0	0.0	0.0	0.0	0.7

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2 **Final Waste Form:** Stored: 0.7 Projected: 0.0 Total: 0.7



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, consists of insoluble residue (heel) of filter media and insulation from HF and HNO₃ washing procedures to recover plutonium. This single drum of this waste was received in 1972.</p> <p>There is a likelihood of excessive fines. This waste is inorganic. The organic material, excluding the 90 mil drum liner, is less than 20 lb (2.7 lb/ft³). Significant amounts of fines may be present. No sludges or free liquids should be present. No explosive pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.</p> <p>There is only one drum of this waste. The waste is packaged in vialrath stainless steel cans and/or 1/2- or 1-gallon PE bottles. Depending on when the waste was generated, the drum was packed according to the usual pre-1972 and post 1972 procedures. The drum was assayed.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [INSULATION HEELS] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W373, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W373	Handling: CH	NMVP #: N/A	Stream Name: INSULATION HEELS:Uncertifiable	Inventory Date:
Local ID: ID-RFO-361TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3110

**AS-GENERATED
EPA CODES**

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	2500.0	2500.0	2500.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	131.0		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope	CI/m3
Pu-242	1.78E-03
Pu-241	6.60E+02
Pu-240	2.48E+01
Pu-239	1.09E+02
Pu-238	3.86E+00

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2
Totals	0.2	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.2

As-Generated Form: Stored: 0.2 Projected: 0.0 Total: 0.2

Final Waste Form: Stored: 0.2 Projected: 0.0 Total: 0.2

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, consists of insoluble residue (heel) of filter media and insulation from HF and HNO₃ washing procedures to recover plutonium. This single drum of this waste was received in 1972.

There is a likelihood of excessive fines. This waste is inorganic. The organic material, excluding the 90 mil drum liner, is less than 20 lb (2.7 lb/ft³). Significant amounts of fines may be present. No sludges or free liquids should be present. No explosive pyrophoric, or corrosive materials should be in this waste, except for some residual amounts of nitric acid.

There is only one drum of this waste. The waste is packaged in voltrath stainless steel cans and/or 1/2- or 1-gallon PE bottles. Depending on when the waste was generated, the drum was packed according to the usual pre-1972 and post 1972 procedures. The drum was assayed.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [INSULATION HEELS] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size inclin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W373, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A**EPA COMMENTS**

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W374	Handling: CH	NMVP #: N/A	Stream Name: CONCRETE, ASPHALT, ETC.: Uncertifiable	Inventory Date:
Local ID: ID-RFO-960TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5420

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	1.25E-04
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	4.64E+01
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: Unknown		Pu-240	1.74E+00
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	7.69E+00
	Vitrified:	2500.0	2500.0	2500.0	Source: Remediation/D&D Waste		Pu-238	2.71E-01
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	7.8	0.0	0.0	0.0	0.0	7.8	55 Gallon Drum	2.1	0.0	0.0	0.0	0.0	2.1
Totals	7.8	0.0	0.0	0.0	0.0	7.8	Totals	2.1	0.0	0.0	0.0	0.0	2.1

As-Generated Form: Stored: 7.8 Projected: 0.0 Total: 7.8 Final Waste Form: Stored: 2.1 Projected: 0.0 Total: 2.1

WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, is primarily concrete and asphalt with limited amounts of dirt and combustibles. The code was replaced by 374 in 1973. Content code 374 is considered under the soils, asphalt, and sands waste stream. The major source for this waste is concrete from removal of six reinforced-concrete aqueous treatment tanks. Other sources include concrete from cutouts for doorways, and asphalt from a spill. Information about the waste is not complete. The waste is packaged in standard RFP drums and boxes.
WASTE STREAM SOURCE	This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [CONCRETE, ASPHALT, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk IWPF:segpk size incin vitrf TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W374, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5. This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1, 13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W374	Handling: CH	NMVP #: N/A	Stream Name: CONCRETE, ASPHALT, ETC.:Direct Ship	Inventory Date:
Local ID: ID-RFO-960TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S5420

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	276.3	7.7	767.7
Vitrified:	0.0	0.0	0.0
Cellulosics:	10.6	10.6	10.6
Rubber:	0.0	0.0	0.0
Plastics:	10.6	10.6	10.6
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	57.5	8.5	767.7
Packaging Material Steel:	147.3		
Packaging Material Plastic:	33.1		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

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

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.14E-05
Pu-241	1.16E+01
Pu-240	4.36E-01
Pu-239	1.92E+00
Pu-238	6.79E-02

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	1.9	0.0	0.0	0.0	0.0	1.9
Totals	1.9	0.0	0.0	0.0	0.0	1.9

Container	Final Waste Form Volumes					
	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	1.9	0.0	0.0	0.0	0.0	1.9
SWB used to overpack 55 gallon drums	0.5	0.0	0.0	0.0	0.0	0.5
Totals	2.3	0.0	0.0	0.0	0.0	2.3

As-Generated Form: Stored: 1.9 Projected: 0.0 Total: 1.9

Final Waste Form: Stored: 2.3 Projected: 0.0 Total: 2.3



WASTE STREAM DESCRIPTION	This waste, generated at the Rocky Flats Plant, is primarily concrete and asphalt with limited amounts of dirt and combustibles. The code was replaced by 374 in 1973. Content code 374 is considered under the soils, asphalt, and sands waste stream. The major source for this waste is concrete from removal of six reinforced-concrete aqueous treatment tanks. Other sources include concrete from cutouts for doorways, and asphalt from a spill. Information about the waste is not complete. The waste is packaged in standard RFP drums and boxes.
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [CONCRETE, ASPHALT, ETC.] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W374, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.



TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W375	Handling: CH	NMVP #: N/A	Stream Name: SLUDGE:Direct Ship	Inventory Date:
Local ID: ID-RFO-995TN	Type: TRU	Generator Site: RF	Final Waste Form: Solidified Inorganics	Waste Matrix Code: S3122

AS-GENERATED EPA CODES

N/A

WASTE MATERIAL PARAMETERS (kg/m3)

	Avg	Min	Max
Iron-base Metal/Alloys:	0.0	0.0	0.0
Aluminum-base Metal/Alloys:	0.0	0.0	0.0
Other Metals/Alloys:	0.0	0.0	0.0
Other Inorganic Material:	0.0	0.0	0.0
Vitrified:	0.0	0.0	0.0
Cellulosics:	0.0	0.0	0.0
Rubber:	0.0	0.0	0.0
Plastics:	0.0	0.0	0.0
Solidified Inorganic Material:	0.0	0.0	0.0
Solidified Organic Material:	0.0	0.0	0.0
Cement (solidified):	0.0	0.0	0.0
Soils:	0.0	0.0	0.0
Packaging Material Steel:	148.1		
Packaging Material Plastic:	0.0		
Packaging Material Lead:	0.0		
Packaging Material Steel Plug:	0.0		

FINAL WASTE FORM DESCRIPTORS

Category: Defense TRU Waste

Residues: No

Asbestos: No

PCBs: No

Source: Pollution Control or Waste Treatment Process

TRUCON CODE: N/A

FINAL FORM RADIONUCLIDES

Isotope (Ci/m3)	
Pu-242	3.70E-06
Pu-241	1.37E+00
Pu-240	5.15E-02
Pu-239	2.27E-01
Pu-238	8.02E-03

WASTE VOLUME DETAIL (cu. meters)

As-Generated Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	3.8	0.0	0.0	0.0	0.0	3.8
Totals	3.8	0.0	0.0	0.0	0.0	3.8

Final Waste Form Volumes

Container	Stored	Pre-97	98-02	03-12	13-22	Totals
55 Gallon Drum	3.5	0.0	0.0	0.0	0.0	3.5
SWB used to overpack 55 gallon drums	0.9	0.0	0.0	0.0	0.0	0.9
Totals	4.5	0.0	0.0	0.0	0.0	4.5

As-Generated Form: Stored: 3.8 Projected: 0.0 Total: 3.8

Final Waste Form: Stored: 4.5 Projected: 0.0 Total: 4.5



WASTE STREAM DESCRIPTION	<p>This waste stream, generated at the Rocky Flats Plant, is sewage sludge from cleaning stabilization ponds. This waste also contains a limited number of drums containing sludge generated by plutonium recovery operations. The sludge may be moist or dry, and may consist of fines, chunks or pieces of dried cake. Shipment of sewer sludge to the INEL stopped in 1976.</p> <p>There are high levels of fines. In addition the drums may contain free liquids. The sewage sludge should contain less than 10 nCi/g TRU elements. The portion of the waste that is suspected to be TRU is addressed by this waste stream. Organic content in the sludge is not known. No free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste.</p> <p>Sewer sludge was placed directly into prepared 55-gallon drums until 1974. Drums were prepared according to pre and post-1972 procedures. Portland cement was added to the bottom and top of the inner bag. If the sludge was moist, portland cement was also added in layers with the sludge. Since 1974, packaging was changed to 4 x 4 x 7 ft fiberglass-reinforced polyester (FRP) coated plywood boxes due to the pressure buildup in the drums. Each box was lined with a PE bag and a cardboard liner. About 90 lb of portland cement was added to the bottom and top of each box. Fissile content of the sewage was determined by radiochemical analysis of sludge samples.</p>
WASTE STREAM SOURCE	<p>This record represents the [Direct Ship] portion (20%) of the MWIR waste stream, [SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W375, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.</p> <p>This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.</p>
CURRENT CONTAINER COMMENTS	N/A
EPA COMMENTS	The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.
MANAGEMENT COMMENTS	Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.
ACCEPTANCE COMMENTS	N/A
FINAL FORM COMMENTS	All containers of this WTWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.

TRU WASTE BASELINE INVENTORY WASTE PROFILE

HQ ID: IN-W375	Handling: CH	NMVP #: N/A	Stream Name: SLUDGE:Uncertifiable	Inventory Date:
Local ID: ID-RFO-995TN	Type: TRU	Generator Site: RF	Final Waste Form: Inorganic Non-Metal	Waste Matrix Code: S3122

AS-GENERATED EPA CODES	WASTE MATERIAL PARAMETERS (kg/m3)			FINAL WASTE FORM DESCRIPTORS		TRUCON CODE	FINAL FORM RADIONUCLIDES	
		Avg	Min	Max	Category:		Isotope (Ci/m3)	
N/A	Iron-base Metal/Alloys:	0.0	0.0	0.0	Defense TRU Waste	N/A	Pu-242	7.41E-06
	Aluminum-base Metal/Alloys:	0.0	0.0	0.0	Residues: No		Pu-241	2.74E+00
	Other Metals/Alloys:	0.0	0.0	0.0	Asbestos: No		Pu-240	1.03E-01
	Other Inorganic Material:	0.0	0.0	0.0	PCBs: No		Pu-239	4.54E-01
	Vitrified:	2500.0	2500.0	2500.0	Source: Pollution Control or Waste Treatment Process		Pu-238	1.60E-02
	Cellulosics:	0.0	0.0	0.0				
	Rubber:	0.0	0.0	0.0				
	Plastics:	0.0	0.0	0.0				
	Solidified Inorganic Material:	0.0	0.0	0.0				
	Solidified Organic Material:	0.0	0.0	0.0				
	Cement (solidified):	0.0	0.0	0.0				
	Soils:	0.0	0.0	0.0				
	Packaging Material Steel:	131.0						
	Packaging Material Plastic:	0.0						
	Packaging Material Lead:	0.0						
	Packaging Material Steel Plug:	0.0						

WASTE VOLUME DETAIL (cu. meters)

Container	As-Generated Waste Form Volumes						Final Waste Form Volumes						
	Stored	Pre-97	98-02	03-12	13-22	Totals	Container	Stored	Pre-97	98-02	03-12	13-22	Totals
Drum	15.5	0.0	0.0	0.0	0.0	15.5	55 Gallon Drum	7.9	0.0	0.0	0.0	0.0	7.9
Totals	15.5	0.0	0.0	0.0	0.0	15.5	Totals	7.9	0.0	0.0	0.0	0.0	7.9

As-Generated Form: Stored: 15.5 Projected: 0.0 Total: 15.5 Final Waste Form: Stored: 7.9 Projected: 0.0 Total: 7.9

WASTE STREAM DESCRIPTION

This waste stream, generated at the Rocky Flats Plant, is sewage sludge from cleaning stabilization ponds. This waste also contains a limited number of drums containing sludge generated by plutonium recovery operations. The sludge may be moist or dry, and may consist of fines, chunks or pieces of dried cake. Shipment of sewer sludge to the INEL stopped in 1976.

There are high levels of fines. In addition the drums may contain free liquids. The sewage sludge should contain less than 10 nCi/g TRU elements. The portion of the waste that is suspected to be TRU is addressed by this waste stream. Organic content in the sludge is not known. No free liquids should be present. No explosive, pyrophoric, or corrosive materials should be in the waste.

Sewer sludge was placed directly into prepared 55-gallon drums until 1974. Drums were prepared according to pre and post-1972 procedures. Portland cement was added to the bottom and top of the inner bag. If the sludge was moist, portland cement was also added in layers with the sludge. Since 1974, packaging was changed to 4 x 4 x 7 ft fiberglass-reinforced polyester (FRP) coated plywood boxes due to the pressure buildup in the drums. Each box was lined with a PE bag and a cardboard liner. About 90 lb of portland cement was added to the bottom and top of each box. Fissile content of the sewage was determined by radiochemical analysis of sludge samples.

WASTE STREAM SOURCE

This record represents the [Uncertifiable] portion (80%) of the MWIR waste stream, [SLUDGE] after processing. The proposed processing sequence is [SWEPP:segpk IWPf:segpk slze Incin vitrl TRANS:trans WIPP:disp]. This waste will be segregated during future characterization and processing activities. It currently exists only as the unsegregated waste stream, IN-W375, reported in the DOE National Core Mixed and TRU Waste Data Requirements. The storage data is reported in Section 4 and the generation data is reported in Section 5.

This record is subject to redefinition based on changes in the availability/utilization of INEL's treatment resources. It is not recognized as an INEL waste stream. It represents a proposed approach to the processing of the unsegregated waste stream.

CURRENT CONTAINER COMMENTS N/A

EPA COMMENTS

The EPA list in 3.4.3 is based on generator supplied process knowledge and/or headspace gas sampling. No TCLP or Total Analysis has been done.

MANAGEMENT COMMENTS

Total inventory figures as to number of containers and volume of waste, is considered to be fairly accurate. All waste is presently stored on indoor or earthen covered pads. Retrieval from the earthen covered pads will begin in the next 1 - 2 years.

ACCEPTANCE COMMENTS

N/A

FINAL FORM COMMENTS

All containers of this TWBIR waste stream are included in the amount listed above. See 8.2.15.1.13 for the years.