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New or novel (patentable) subject matter? ☒ No ☐ Yes If "Yes", has disclosure been submitted by WHC or other company? ☒ No ☐ Yes Disclosure No(s).	Information received from others in confidence, such as proprietary data, trade secrets, and/or inventions? ☒ No ☐ Yes (Identify)	
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<table style="width: 100%;"> <tr> <th style="width: 30%;"></th> <th style="width: 10%; text-align: center;">Yes</th> <th style="width: 10%; text-align: center;">No</th> </tr> <tr> <td>References Available to Intended Audience</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Transmit to DOE-HQ/Office of Scientific and Technical Information</td> <td style="text-align: center;">☒</td> <td style="text-align: center;">☐</td> </tr> <tr> <td>Author/Requestor (Printed/Signature)</td> <td colspan="2"></td> </tr> <tr> <td>D. R. Duncan <i>DR Duncan</i></td> <td colspan="2" style="text-align: center;">Date 6/23/94</td> </tr> <tr> <td>Intended Audience</td> <td colspan="2"></td> </tr> <tr> <td>☐ Internal ☐ Sponsor ☒ External</td> <td colspan="2"></td> </tr> <tr> <td>Responsible Manager (Printed/Signature)</td> <td colspan="2"></td> </tr> <tr> <td>K. L. Hladek <i>KH Hladek</i></td> <td colspan="2" style="text-align: center;">Date 6-23-94</td> </tr> </table>		Yes	No	References Available to Intended Audience	☒	☐	Transmit to DOE-HQ/Office of Scientific and Technical Information	☒	☐	Author/Requestor (Printed/Signature)			D. R. Duncan <i>DR Duncan</i>	Date 6/23/94		Intended Audience			☐ Internal ☐ Sponsor ☒ External			Responsible Manager (Printed/Signature)			K. L. Hladek <i>KH Hladek</i>	Date 6-23-94		<table style="width: 100%;"> <tr> <th colspan="2" style="text-align: center; padding: 2px;">INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP</th> </tr> <tr> <td colspan="2" style="padding: 2px;"> Stamp is required before release. Release is contingent upon resolution of mandatory comments. </td> </tr> <tr> <td colspan="2" style="text-align: center; padding: 20px;"> </td> </tr> <tr> <td style="width: 50%; padding: 2px;"> Date Cancelled </td> <td style="width: 50%; padding: 2px;"> Date Disapproved </td> </tr> </table>	INFORMATION RELEASE ADMINISTRATION APPROVAL STAMP		Stamp is required before release. Release is contingent upon resolution of mandatory comments.				Date Cancelled	Date Disapproved
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5. Key Words Interface Control Document solid waste waste volume forecast PUREX/UO ₃ Plant	6. Author Name: D. R. Duncan <i>D.R. Duncan</i> Signature Organization/Charge Code 87320 / J873C	
7. Abstract APPROVED FOR PUBLIC RELEASE <i>7/15/94 D. Solis</i> The interfacing responsibilities regarding solid waste management are described for the Solid Waste Disposal Division and the PUREX/UO ₃ Plant Transition organization.		
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**INTERFACE CONTROL DOCUMENT BETWEEN PUREX/UO3 PLANT
TRANSITION AND SOLID WASTE DISPOSAL DIVISION**

WHC-SD-WM-PICD-002 REV 0

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June 1994

for

MASTER

Document Title: WHC-SD-WM-PICD-002 REV 0

Approved by:

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D. G. Hamrick, Manager
PUREX/UO₃ Plant Transition

7/13/94
Date

Approved by:

W. H. Hamilton Jr.
W. H. Hamilton, Jr., Director
Solid Waste Disposal

6/24/94
Date

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LIST OF TERMS

D&D	disposal and decontamination
ECN	engineering change notice
ICD	interface control document
LDR	Land Disposal Restriction
LLMW	low-level mixed waste
LLW	low-level waste
PPT	PUREX/UO ₂ Plant Transition
RCRA	Resource Conservation and Recovery Act
SEAC	Safety and Environmental Advisory Council
SWD	Solid Waste Disposal Division
TRU	transuranic
TSD	treatment, storage, and disposal
WRAP	Waste Receiving and Processing

INTERFACE CONTROL DOCUMENT BETWEEN PUREX/UO₃ PLANT TRANSITION AND SOLID WASTE DISPOSAL DIVISION

1.0 PURPOSE

This interface control document (ICD) between PUREX/UO₃ Plant Transition (PPT) and Solid Waste Disposal Division (SWD) establishes at a top level the functional responsibilities of each division where interfaces exist between the two divisions. Since the PUREX Transition and Solid Waste Disposal divisions operate autonomously, it is important that each division has a clear understanding of the other division's expectations regarding these interfaces. This ICD primarily deals with solid wastes generated by the PPT. In addition to delineating functional responsibilities, the ICD includes a baseline description of those wastes that will require management as part of the interface between the divisions. The baseline description of wastes includes waste volumes and timing for use in planning the proper waste management capabilities: the primary purpose of this ICD is to ensure defensibility of expected waste stream volumes and characteristics for future waste management facilities. Waste descriptions must be as complete as possible to ensure adequate treatment, storage, and disposal capability will exist. The ICD also facilitates integration of existing or planned waste management capabilities of the PUREX Transition and Solid Waste Disposal divisions. The ICD does not impact or affect the existing processes or procedures for shipping, packaging, or approval for shipping wastes by generators to the Solid Waste Division.

This document is part of the baseline documentation for both programs and can be changed only by use of an engineering change notice (ECN) approved by representatives of both the PUREX/UO₃ Plant Transition and the Solid Waste Disposal Division.

Fulfilling ICD reporting requirements as stated in this document will fulfill solid waste reporting requirements as stated in Department of Energy Order RL 5820.2A (Radioactive Waste Management) and in Reference 1. It is expected that an annual letter will be sent requesting re-evaluation of the ICD estimates and subsequent ECN if a change is appropriate.

2.0 PUREX/UO₃ PLANT TRANSITION RESPONSIBILITIES

The PUREX/UO₃ Plant Transition purpose is to establish a passively safe and environmentally secure configuration of the PUREX and UO₃ Plant, which is to be preserved for a ten year horizon past the completion of deactivation to allow definition, authorization, and initiation of follow-on disposal and decontamination (D&D) activities. Completion of the Transition is scheduled for July 1998. PUREX/UO₃ Plant Transition is responsible for solid waste management for the PUREX/UO₃ Plant up to that time. Solid waste generated from post-deactivation surveillance work will be the responsibility of an organization to be defined, and solid waste from subsequent D&D work will be the responsibility of the Hanford Surplus Facilities Program.

The PUREX/UF₆ Plant Transition is chartered to perform terminal clean out and deactivation activities prior to transferral of the facilities to the Hanford Surplus Facilities Program. These activities include removing, reducing, and/or stabilizing the major remaining radioactive sources within the PUREX and UF₆ Plant process buildings and the hazardous chemicals at PUREX. At completion, the plants will be unoccupied, locked, and maintained with minimum entry requirements. The Project scope includes ancillary support structures as well, and is roughly defined by the existing fence lines.

The PUREX storage tunnels, however, are not included in the Project scope, other than to potentially accept some bulky equipment during the deactivation process for storage pending D&D.

Deactivation activities will result in the following:

- Nonradioactive, nondangerous waste such as office trash, non-recyclable waste paper and other throwaway materials.
- Nonradioactive dangerous waste such as expired chemicals, fluorescent lamp ballasts, aerosol cans, and chemically contaminated equipment.
- Transuranic waste including glass, paper, cloth, plastic, piping, ducting, portions of gloveboxes, failed equipment. TRU waste will come from N and L cells, the product removal room, samplers in the west end of the sample gallery, and the PUREX analytical laboratory.
- Transuranic mixed waste will be items similar to TRU waste but contaminated with dangerous constituents such as nitric acid or lead.
- Low level waste is radioactive waste not contaminated with sufficient concentrations of transuranic materials, and includes waste paper, plastic, rubber and maintenance materials.
- Low level mixed waste is low level waste contaminated with dangerous constituents and includes expended laboratory chemicals, waste oils, aerosol cans, and solvent-wetted rags.

3.0 SOLID WASTE DISPOSAL DIVISION RESPONSIBILITIES

Solid Waste Disposal is chartered to manage the centralized facilities for the receipt, containment, treatment, storage, and disposal of solid waste at Hanford. They provide the technical, managerial, and programmatic functions to ensure safe and proper disposition of solid wastes. Solid Waste Disposal provides storage of mixed, transuranic (TRU), and greater than Category 3 waste, burial of low-level wastes (LLW), treatment and disposal of low-level mixed waste (LLMW); and characterization, size reduction, packaging, and shipment of TRU waste to the Waste Isolation Pilot Program.

The Solid Waste Disposal Division is responsible for planning, coordinating, and implementing solid waste treatment, storage, and disposal (TSD) activities. The Solid Waste Disposal Division will fund the design and construction of solid waste TSD facilities. The cost for disposal of PUREX/UO₃ Plant Transition generated waste in the 200 Area burial grounds will include only the costs associated with waste disposal. Solid Waste Disposal is responsible for regulatory permitting and associated negotiations for all solid waste TSD facilities. The Solid Waste Disposal Division is responsible for the operation of the solid waste TSD facilities required to support the PUREX/UO₃ Plant Transition. Solid Waste Disposal is responsible for the solid waste generated by PUREX Transition when it is accepted at the solid waste TSD facilities. Operation of the solid waste TSD facilities will be by Solid Waste Disposal in accordance with solid waste procedures and regulatory agreements.

The Solid Waste Disposal Division will provide an annual update to this document through an ECN. The update will reflect Solid Waste Disposal's most current planning.

3.1 SOLID WASTE ACCEPTANCE AND GENERATOR SERVICES

The Solid Waste Disposal Division provides services to aid generators of solid waste. The Hanford Site Solid Waste Acceptance Criteria (Reference 1) defines the criteria that must be met by waste generators for solid waste to be accepted by Solid Waste Disposal Division's TSD facilities. In addition, the Hanford Site Solid Waste Acceptance Criteria defines the responsibilities and authorities of the following with regard to solid waste management:

- Waste generator
- Solid Waste Disposal Division
- Office of Sample Management
- Westinghouse Hanford Safety and Environmental Advisory Council (SEAC) and the Waste management Subcouncil
- U.S. Department of Energy Field Office, Richland Waste Management Division Director
- Westinghouse Hanford Transportation Logistics
- Westinghouse Road, Delivery and Equipment Operations.

3.2 SOLID WASTE STORAGE

The Solid Waste Disposal Division provides storage for low-level mixed waste, TRU and TRU mixed waste, and Greater Than Category 3 low-level waste. Facilities available to support storage of solid wastes are:

- Central Waste Complex, currently used for storage of low-level mixed waste, TRU waste, and TRU mixed waste prior to disposal

- TRUSAF, currently used for storage of TRU and TRU mixed waste
- 616 Facility, which provides storage of hazardous waste.

3.3 SOLID WASTE DECONTAMINATION SERVICES

The Solid Waste Disposal Division assists the decontamination of Hanford Site facility equipment and waste by providing decontamination and repair services. In addition waste decontamination services provides Liquid Waste Tank Car certification, repair, and decontamination. Facilities available to provide solid waste decontamination services are:

- 221-T Canyon Facility for decontamination of high-activity level equipment and waste
- 2706-T Facility for low-activity level decontamination and repair of equipment and decontamination of waste.

3.4 SOLID WASTE TREATMENT

The Solid Waste Disposal Division will provide treatment for low-level mixed waste, TRU waste, and TRU mixed waste. Facilities that will be available to support treatment of solid wastes generated by the PUREX/UO3 Plant Transition are:

- Waste Receiving and Processing (WRAP) Module 1, which will provide treatment and packaging of contact-handled TRU waste for eventual shipment offsite
- WRAP 2A, which is planned to provide treatment for LLMW (except for Greater Than Category 3 low-level mixed waste)
- WRAP 2B, which will provide treatment and packaging of oversized and remote-handled TRU waste
- Thermal Treatment, which is planned for Resource Conservation and Recovery Act (RCRA) Land Disposal Restriction (LDR) treatment of LLMW. Thermal Treatment may be contracted or privatized.

3.5 SOLID WASTE DISPOSAL

The Solid Waste Disposal Division provides disposal for low-level waste (except Greater Than Category 3 low-level waste) and low-level mixed waste (except Greater Than Category 3 low-level mixed waste). Disposal is provided in the Low-Level Burial Grounds operated by the Solid Waste Disposal Division. The Low-Level Burial Grounds will include separate RCRA compliant trenches for the disposal of low-level mixed waste (except Greater Than Category 3 low-level mixed waste).

4.0 INTERFACE BETWEEN SOLID WASTE DISPOSAL AND PUREX/UO3 PLANT TRANSITION

4.1 SOLID WASTES GENERATED BY PUREX/UO3 PLANT TRANSITION

Solid Waste Disposal will accept the solid wastes identified in Section 5.1. The LLW and LLMW (classified as Category 1 through Category 3 in Reference 1) will be accepted for treatment, storage, and disposal by the Solid Waste Disposal Division. LLW and LLMW classified as Greater Than Category 3 (Reference 1) will be accepted for storage. TRU solid waste PUREX Transition generates will be accepted for treatment and storage until the waste is shipped to the Waste Isolation Pilot Plant for final disposal. Acceptance of unique waste will be handled on a case by case basis. These quantities are expected to be minimal.

4.1.1 Solid Waste Acceptance

Solid wastes generated by the PUREX/UO3 Plant Transition will be accepted by the Solid Waste Disposal Division provided the waste meets the established criteria as provided in the Hanford Site Solid Waste Acceptance Criteria (Reference 1). PUREX/UO3 Plant Transition is responsible for meeting the specified criteria for waste generators in Reference 1.

4.1.2 Solid Waste Storage

The Solid Waste Disposal Division will provide adequate storage capacity to store the quantity of solid waste generated by the PUREX/UO3 Plant Transition as described in Section 5.0.

4.1.3 Solid Waste Decontamination Services

The Solid Waste Disposal Division will provide adequate decontamination services for contaminated equipment and waste generated by the PUREX/UO3 Plant Transition. The Solid Waste Disposal Division will decontaminate the quantity of solid waste generated by the PUREX/UO3 Plant Transition as described in Section 5.0.

4.1.4 Solid Waste Treatment

The Solid Waste Disposal Division will provide adequate treatment capacity to treat the quantity of solid waste generated by the PUREX/UO3 Plant Transition as described in Section 5.0.

4.1.5 Solid Waste Disposal

The Solid Waste Disposal Division will provide adequate disposal capacity to dispose the quantity of solid waste generated by the PUREX/UO3 Plant Transition as described in Section 5.0.

The Project will provide waste to the Division according to the provisions of WHC-EP-0063, Hanford Site Solid Waste Acceptance Criteria, latest revision, and will provide solid waste forecasts annually to the Solid Waste Disposal Division. Waste will be generated and managed, prior to acceptance by the Division, by the Project for its duration, expected to be until 1998. Waste generated during the subsequent surveillance phase of the PUREX/UO₃ plants will be the responsibility of a successor organization not existing at this time.

The Division will accept all waste generated by the Project which meets the acceptance provisions of WHC-EP-0063. Waste which was not included in the annual waste volume forecast will be accepted on a case-by-case basis.

5.0 ESTIMATES OF WASTE REQUIRING INTERFACE ESTABLISHMENTS

5.1 SOLID WASTES GENERATED BY PUREX/UO₃ PLANT TRANSITION

The Solid Waste Disposal Division will accept all of the solid wastes identified in this section that are generated by PUREX Transition. The LLW and LLMW (classified as Category 1 through Category 3 in Reference 1) will be accepted for treatment, storage, and disposal by the Solid Waste Disposal Division, LLW and LLMW classified as Greater Than Category 3 (Reference 1) will be accepted for storage, and any TRU solid waste PUREX Transition generates will be accepted for treatment and storage until the waste is shipped to the Waste Isolation Pilot Plant for final disposal. Acceptance of unique waste will be handled on a case by case basis. These quantities are expected to be minimal.

If future updates of waste volume forecasts exceeds the baseline volumes presented herein it will not be possible to ensure the proper solid waste TSD facilities will be available for management of the PUREX Transition generated solid waste.

5.1.1 Solid Waste Requiring Treatment, Storage, and Disposal

Appendix A contains the baseline waste volume projections for solid waste generated by the PUREX/UO₃ Plant Transition requiring treatment, storage and/or disposal. More detailed information regarding waste characteristics are also provided in Appendix A. Waste volumes are broken down by waste category as cited in Reference 1 and are tabulated by the year of expected generation. These volumes and the accompanying detail in the waste volume forecast will be used for planning purposes by the Solid Waste Disposal Division. Any significant changes to this projection, as determined by the PUREX/UO₃ Transition Personnel or by consultation with Solid Waste Division, will be entered into this document through formal revision requiring an ECN.

5.1.2 Solid Waste Requiring Decontamination Services

PUREX/UO3 Plant Transition will not generate any solid waste requiring decontamination services. Any significant changes to this projection, as determined by the PUREX/UO3 Transition Personnel or by consultation with Solid Waste Division, will be entered into this document through formal revision requiring an ECN.

6.0 REFERENCES

1. Willis, N.P. and G.C.Triner, 1991, *Hanford Site Solid Waste Acceptance Criteria*, WHC-EP-0063-3, Westinghouse Hanford Company, Richland, Washington.
2. WHC, 1993, *DRAFT PUREX/UO3 Deactivation Project Management Plan*, WHC-SP-1011D, Westinghouse Hanford Company, Richland, Washington.

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APPENDIX A

PUREX/UO₂ PLANT TRANSITION
WASTE VOLUME PROJECTIONS

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COVER SHEET

1994 SOLID WASTE FORECAST REQUEST FORM

Generator (Project/Facility) WHC_202A PUREX U03/224U

<u>Waste Class</u>	<u>Contact</u>	<u>Phone</u>
<u>LLW</u>	<u>J.R.(Jim) Hilliard</u>	<u>3-1782</u>
<u>LLMW</u>	<u>J.R.(Jim) Hilliard</u>	<u>3-1782</u>
<u>HAZ</u>	<u>J.R.(Jim) Hilliard</u>	<u>3-1782</u>
<u>TRU</u>	<u>J.R.(Jim) Hilliard</u>	<u>3-1782</u>
<u>TRUM</u>	<u>J.R.(Jim) Hilliard</u>	<u>3-1782</u>
<u>LEVEL III APPROVAL</u>	<u>D.G.(Don) Harlow</u>	<u>3-1095</u>

(Fill out and/or correct above and keep this sheet with forecast)

COORDINATOR SHEET

Department: PUREX Engineering

1994 Coordinator: J.R.(Jim) Hilliard 3-1782

**Project/Facility
Number**

1994 Contact

**1994 Level III
Approval**

WHC 202A
CP Purex & U03-224U Fac.

J.R. Hilliard

D.G. Harlow

(Fill out and/or correct above and keep this sheet with forecast)

PROJECTED SOLID WASTE EXTERNAL VOLUMES (FT3)

TABLE 1 page 1 of 5

REPORT SHIELDED RH WASTE AS RH WASTE NOT CH WASTE

WASTE CLASS	ESTIMATE	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
CH-LLW-I	EST.(CuFt)	7,872	4,000	4,000	4,000	0 →										
	MIN. %	50	50	50	50	-										
	MAX. %	150	200	200	200	-										
CH-LLW-III	EST.(CuFt)	4.2	4.2	4.2	4.2	-										
	MIN. %	0	0	0	0	-										
	MAX. %	200	200	200	200	-										
CH-LLW-GTCIII	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLW-I	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLW-III	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLW-GTC III	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-LLMW-I	EST.(CuFt)	609	824	553	347	-										
	MIN. %	50	50	50	50	-										
	MAX. %	150	200	200	200	-										
CH-LLMW-III	EST.(CuFt)	4.2	4.2	4.2	4.2											
	MIN. %	0	0	0	0											
	MAX. %	200	200	200	200											
CH-LLMW-GTCIII	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLMW-I	EST.(CuFt)															
	MIN. %															
	MAX. %															

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WHC-SD-WM-PICD-002 REV 0

PROJECTED SOLID WASTE EXTERNAL VOLUMES (FT3)

TABLE 1 page 2 of 5

REPORT SHIELDED RH WASTE AS RH WASTE NOT CH WASTE

WASTE CLASS	ESTIMATE	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
CH-LLW-I	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-LLW-III	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-LLW-GTCIII	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLW-I	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLW-III	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLW-GTC III	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-LLMW-I	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-LLMW-III	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-LLMW-GTCIII	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLMW-I	EST.(CuFt)															
	MIN. %															
	MAX. %															

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WHC-SD-WM-PICD-002 REV 0

PROJECTED SOLID WASTE EXTERNAL VOLUMES (FT3)

TABLE 1 page 3 of 5

REPORT SHIELDED RH WASTE AS RH WASTE NOT CH WASTE

WASTE CLASS	ESTIMATE	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
RH-LLMW-III	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLMW-GTCIII	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-TRU	EST.(CuFt)	517	46	110	0	-										
	MIN. %	50	50	50	-	-										
	MAX. %	150	200	300	-	-										
RH-TRU	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-TRUM	EST.(CuFt)	18.4	0	4.2	-											
	MIN. %	50	-	100	-											
	MAX. %	150	-	200	-											
RH-TRUM	EST.(CuFt)															
	MIN. %															
	MAX. %															
HAZ.	EST.(CuFt)	150	170	150	150											
	MIN. %	50	50	50	50											
	MAX. %	150	150	150	200											

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WMC-SD-WM-PICD-002 REV 0

PROJECTED SOLID WASTE EXTERNAL VOLUMES (FT3)

TABLE 1 page 4 of 5

REPORT SHIELDED RH WASTE AS RH WASTE NOT CH WASTE

WASTE CLASS	ESTIMATE	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
RH-LLMW-III	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-LLMW-GTCIII	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-TRU	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-TRU	EST.(CuFt)															
	MIN. %															
	MAX. %															
CH-TRUM	EST.(CuFt)															
	MIN. %															
	MAX. %															
RH-TRUM	EST.(CuFt)															
	MIN. %															
	MAX. %															
HAZ.	EST.(CuFt)															
	MIN. %															
	MAX. %															

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MHC-SD-WM-PICD-002 REV 0

HELD WASTE

TABLE 1 page 5 of 5

PROJECTED SOLID WASTE EXTERNAL VOLUMES (FT3)

REPORT SHIELDED RH WASTE AS RH WASTE NOT CH WASTE

WASTE CLASS	1994 ESTIMATE (CuFt)
CH-LLW-I	
CH-LLW-III	
CH-LLW-GTCIII	
RH-LLW-I	
RH-LLW-III	
RH-LLW-GTCIII	
CH-LLMW-I	
CH-LLMW-III	
CH-LLMW-GTCIII	
RH-LLMW-I	
RH-LLMW-III	
RH-LLMW-GTCIII	
CH-TRU	
RH-TRU	
CH-TRUM	
RH-TRUM	
HAZARDOUS	

NOTE: Report on this page any currently stored waste volumes that do not have a shipping schedule. Do not include volumes that are reported from 1995 through 2024.

Container Type and Volume %

TABLE 2 Page 1 of 4

STEP 1: CIRCLE ONE WASTE CLASS

CH-LLW-I

CH-LLW-III

CH-LLW-GTC-III

RH-LLW-I

RH-LLW-III

STEP 2: RH-LLW-GTC-III

STEP 3: Indicate Volume % of Waste Class Packaged in Identified Containers

COMPLETE A SEPARATE TABLE 2 FOR EACH WASTE CLASS IDENTIFIED IN TABLE 1

CONTAINERS	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	HELD
55 Gal Drum 9.2 CuFt	34	24	24	34																											
85 GAL DRUM 12.1 CuFt																															
4 X 4 X 8 Box W/Skids 143 CuFt	55	54	54	54																											
4 X 4 X 8 Box W/O Skids 128 CuFt																															
4 X 4 X 8 Metal 128 CuFt																															
B-25 103.2 CuFt																															
7x7x9 OTHER To be used Truck	11	22	22	22																											
* TOTAL (0 or 100%)	100	100	100	100																											

* Total for each year MUST equal 0 or 100%

Other - Indicate container type, external dimensions, and external volume (cuft, gal). Compactor Truck (no container), 7x7x9

The containers listed above conform to the acceptance criteria in WHC-EP-0063-4 (Hanford Site Solid Waste Acceptance Criteria).

"OTHER" containers may be accepted.

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WHC-SD-WM-PICD-002 REV 0

Container Type and Volume %

TABLE 2 Page 1 of 4

STEP 1: CIRCLE ONE WASTE CLASS

CH-LLW-I
CH-LLW-III
 CH-LLW-GTC-III
 RH-LLW-I
 RH-LLW-III
 RH-LLW-GTC-III

STEP 2:

COMPLETE A SEPARATE TABLE 2 FOR EACH WASTE CLASS IDENTIFIED IN TABLE 1

STEP 3: Indicate Volume % of Waste Class Packaged in Identified Containers

CONTAINERS	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	HELD
55 Gal Drum 9.2 CuFt	100	100	100	100																											
85 GAL DRUM 12.1 CuFt																															
4 X 4 X 8 Box W/Skids 143 CuFt																															
4 X 4 X 8 Box W/O Skids 128 CuFt																															
4 X 4 X 8 Metal 128 CuFt																															
B-25 103.2 CuFt																															
OTHER																															
* TOTAL (0 or 100%)	100	100	100	100																											

* Total for each year MUST equal 0 or 100%

Other - Indicate container type, external dimensions, and external volume (cuft, gal).

The containers listed above conform to the acceptance criteria in WHC-EP-0063-4 (Hanford Site Solid Waste Acceptance Criteria).

"OTHER" containers may be accepted.

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STEP1: CIRCLE ONE WASTE CLASS

CH-LLMW-I

CH-LLMW-III

CH-LLMW-GTC-III

RH-LLMW-I

RH-LLMW-III

RH-LLMW-GTC-III

STEP 2:

Container Type and Volume %

TABLE 2 Page 2 of 4

COMPLETE A SEPARATE TABLE 2 FOR EACH WASTE CLASS IDENTIFIED IN TABLE 1

STEP 3: Indicate Volume % of Waste Class Packaged in Identified Containers

CONTAINERS	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	HELD
55 Gal Drum 9.2 CuFt	66	75	63	100																											
85 GAL DRUM 12.1 CuFt																															
4 X 4 X 8 Box W/Skids 143 CuFt																															
4 X 4 X 8 Box W/O Skids 128 CuFt																															
4 X 4 X 8 Metal 128 CuFt																															
B-25 103.2 CuFt	34	25	37																												
OTHER																															
* TOTAL (0 or 100%)	100	100	100	100																											

* Total for each year MUST equal 0 or

100%

Other - Indicate container type, external dimensions, and external volume (cuft, gal).

The containers listed above conform to the acceptance criteria in WHC-EP-0063-4 (Hanford Site Solid Waste Acceptance Criteria).

"OTHER" containers may be accepted.

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WHC-SD-WM-PICD-002 REV 0

Container Type and Volume %

TABLE 2 Page 2 of 4

STEP 1: CIRCLE ONE WASTE CLASS

CH-LLMW-I
CH-LLMW-III
 CH-LLMW-GTC-III
 RH-LLMW-I
 RH-LLMW-III
 RH-LLMW-GTC-III

STEP 2:

COMPLETE A SEPARATE TABLE 2 FOR EACH WASTE CLASS IDENTIFIED IN TABLE 1

STEP 3: Indicate Volume % of Waste Class Packaged in Identified Containers

CONTAINERS	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	HELD
55 Gal Drum 9.2 CuFt	100	100	100	100																											
85 GAL DRUM 12.1 CuFt																															
4 X 4 X 8 Box W/Skids 143 CuFt																															
4 X 4 X 8 Box W/O Skids 128 CuFt																															
4 X 4 X 8 Metal 128 CuFt																															
B-25 103.2 CuFt																															
OTHER																															
* TOTAL (0 or 100%)	100	100	100	100																											

* Total for each year MUST equal 0 or

100%

Other - Indicate container type, external dimensions, and external volume (cuft, gal).

The containers listed above conform to the acceptance criteria in WHC-EP-0063-4 (Hanford Site Solid Waste Acceptance Criteria).

OTHER containers may be accepted.

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WHC-SD-WM-PICD-002 REV 0

Container Type and Volume %

STEP 1: CIRCLE ONE WASTE CLASS

CH-TRU
CH-TRUM

RH-TRU
RH-TRUM

STEP 2:

STEP 3: Indicate Volume % of Waste Class Packaged in Identified Containers

COMPLETE A SEPARATE TABLE 2 FOR EACH WASTE CLASS IDENTIFIED IN TABLE 1

CONTAINERS	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	HELD
55 Gal Drum 9.2 CuFt	63	100	100	--																											
85 GAL DRUM 12.1 CuFt																															
4 X 4 X 8 Box W/Skids 143 CuFt																															
4 X 4 X 8 Box W/O Skids 128 CuFt																															
4 X 4 X 8 Metal 128 CuFt																															
SWB 73.4 CuFt	37																														
OTHER																															
* TOTAL (0 or 100%)	100	100	100																												

* Total for each year MUST equal 0 or

100%

Other - Indicate container type, external dimensions, and external volume (cuft, gal). _____

The containers listed above conform to the acceptance criteria in WHC-EP-0063-4 (Hanford Site Solid Waste Acceptance Criteria).

"OTHER" containers may be accepted.

Container Type and Volume %

STEP 1: CIRCLE ONE WASTE CLASS

CH-TRU
CH-TRUM

RH-TRU
RH-TRUM

STEP 2:

STEP 3: Indicate Volume % of Waste Class Packaged in Identified Containers

COMPLETE A SEPARATE TABLE 2 FOR EACH WASTE CLASS IDENTIFIED IN TABLE 1

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CONTAINERS	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	HELD
55 Gal Drum 9.2 CuFt	100	-	100	-																											
85 GAL DRUM 12.1 CuFt																															
4 X 4 X 8 Box W/Skids 143 CuFt																															
4 X 4 X 8 Box W/O Skids 128 CuFt																															
4 X 4 X 8 Metal 128 CuFt																															
SWB 73.4 CuFt																															
OTHER																															
* TOTAL (0 or 100%)	100		100																												

* Total for each year MUST equal 0 or

100%

Other - Indicate container type, external dimensions, and external volume (cuft, gal).

The containers listed above conform to the acceptance criteria in WHC-EP-0063-4 (Hanford Site Solid Waste Acceptance Criteria).

OTHER containers may be accepted.

Container Type and Volume %

TABLE 2 Page 4 of 4

STEP 1: CIRCLE WASTE CLASS

HAZARDOUS

ONLY

STEP 2:

STEP 3: Indicate Volume % of Waste Class Packaged in Identified Containers

CONTAINERS	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	HELD
55 Gal Drum 9.2 CuFt	72	72	72	72																											
30 GAL DRUM 4.4 CuFt	15	15	15	15																											
4 X 4 X 8 Box W/Skids 143 CuFt																															
4 X 4 X 8 Box W/O Skids 128 CuFt																															
4 X 4 X 8 Metal 128 CuFt																															
8 gallon OTHER	12	12	12	12																											
12B box	1	1	1	1																											
* TOTAL (0 or 100%)	100	100	100	100																											

* Total for each year MUST equal 0 or 100%

Other - Indicate container type, external dimensions, and external volume (cuft, gal). *8 gallon drum, (12.5" x 12.5"), 1.07 ft³*
DOT 12B fiberboard box, (12.5" x 9.5" x 12.5"), 0.86 ft³

The containers listed above conform to the acceptance criteria in WHC-EP-0063-4 (Hanford Site Solid Waste Acceptance Criteria).
 "OTHER" containers may be accepted.

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STEP 1 CONTAINER TYPE <u>55 gallon drum</u>		Physical Waste Forms/LLW & TRU							TABLE 3 page 1 of 1		STEP 4 Are Waste Forms Segre- gated? Y/N
STEP 2 YEARS <u>1995</u> TO <u>1999</u> (INCLUDE HELD IF APPLICABLE)		A separate Table 3 must be completed for each container identified in Table 2									
WASTE FORMS		STEP 3 Indicate Volume % of each Waste Form present for each Waste Class									
		CH LLWI	CH LLWIII	CH LLW GTCIII	RH LLWI	RH LLWIII	RH LLW GTCIII	CH TRU	RH TRU		
SHIELDING											
STEEL											
LEAD											
CONCRETE											
SOLID PROCESS RESIDUES											
INORGANIC PARTICULATES											
INORGANIC ABSORBED LIQ/SLUDGE											
ORGANIC PARTICULATES											
ORGANIC ABSORBED LIQ/SLUDGE											
SOILS											
CONTAMINATED SOILS		5									Y
DEBRIS CONTAMINATED SOILS											
DEBRIS WASTE											
METAL		5	33					50			N
INORGANIC NON-METAL		5	33								N
COMBUSTIBLE		84	34					50			N
HETEROGENEOUS											
SPECIAL WASTE											
LAB PACKS/CONTAINERIZED LIQUIDS		1									Y
UNKNOWN											
OTHER *											
TOTAL ¹ (0 OR 100%)		100	100					100			

¹ Total for Each Waste Class MUST Equal 0 or 100%

* OTHER WASTE DESCRIPTION: _____

STEP 1 CONTAINER TYPE <u>4x4x8 box with skids</u>		Physical Waste Forms/LLW & TRU							TABLE 3 page 1 of 1		STEP 4 Are Waste Forms Segre- gated? Y/N
STEP 2 YEARS <u>1995</u> TO <u>1999</u> (INCLUDE HELD IF APPLICABLE)		STEP 3 Indicate Volume % of each Waste Form present for each Waste Class									
WASTE FORMS		CH LLWI	CH LLWIII	CH LLW GTCIII	RH LLWI	RH LLWIII	RH LLW GTCIII	CH TRU	RH TRU		
SHIELDING											
STEEL											
LEAD											
CONCRETE											
SOLID PROCESS RESIDUES											
INORGANIC PARTICULATES											
INORGANIC ABSORBED LIQ/SLUDGE											
ORGANIC PARTICULATES											
ORGANIC ABSORBED LIQ/SLUDGE											
SOILS											
CONTAMINATED SOILS											
DEBRIS CONTAMINATED SOILS											
DEBRIS WASTE											
METAL		60								N	
INORGANIC NON-METAL		10								N	
COMBUSTIBLE		30								N	
HETEROGENEOUS											
SPECIAL WASTE											
LAB PACKS/CONTAINERIZED LIQUIDS											
UNKNOWN											
OTHER *											
TOTAL ¹ (0 OR 100%)		100									

¹ Total for Each Waste Class MUST Equal 0 or 100%

* OTHER WASTE DESCRIPTION: _____

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STEP 1 CONTAINER TYPE <u>7x7x9 Computer Truck</u> (no container)		Physical Waste Forms/LLW & TRU							TABLE 3 page 1 of 1		STEP 4 Are Waste Forms Segre- gated? Y/N
STEP 2 YEARS <u>1995</u> TO <u>1999</u> (INCLUDE HELD IF APPLICABLE)		A separate Table 3 must be completed for each container identified in Table 2									
WASTE FORMS		STEP 3 Indicate Volume % of each Waste Form present for each Waste Class									
		CH LLWI	CH LLWIII	CH LLW GTCIII	RH LLWI	RH LLWIII	RH LLW GTCIII	CH TRU	RH TRU		
SHIELDING											
STEEL											
LEAD											
CONCRETE											
SOLID PROCESS RESIDUES											
INORGANIC PARTICULATES											
INORGANIC ABSORBED LIQ/SLUDGE											
ORGANIC PARTICULATES											
ORGANIC ABSORBED LIQ/SLUDGE											
SOILS											
CONTAMINATED SOILS											
DEBRIS CONTAMINATED SOILS											
DEBRIS WASTE											
METAL											
INORGANIC NON-METAL											
COMBUSTIBLE (vegetation/ tumbleweeds)		100								Y	
HETEROGENEOUS											
SPECIAL WASTE											
LAB PACKS/CONTAINERIZED LIQUIDS											
UNKNOWN											
OTHER *											
TOTAL ¹ (0 OR 100%)		100									

¹ Total for Each Waste Class MUST Equal 0 or 100%

* OTHER WASTE DESCRIPTION: _____

WHC-SD-WM-PICD-002 REV 0

STEP 1 CONTAINER TYPE <u>SWB</u>	Physical Waste Forms/LLW & TRU							TABLE 3 page 1 of 1	STEP 4 Are Waste Forms Segregated? Y/N
STEP 2 YEARS <u>1995</u> TO <u>1996</u> (INCLUDE HELD IF APPLICABLE)	A separate Table 3 must be completed for each container identified in Table 2								
WASTE FORMS	STEP 3 Indicate Volume % of each Waste Form present for each Waste Class								
	CH LLWI	CH LLWIN	CH LLW GTCIN	RH LLWI	RH LLWIN	RH LLW GTCIN	CH TRU	RH TRU	
SHIELDING									
STEEL									
LEAD									
CONCRETE									
SOLID PROCESS RESIDUES									
INORGANIC PARTICULATES									
INORGANIC ABSORBED LIQ/SLUDGE									
ORGANIC PARTICULATES									
ORGANIC ABSORBED LIQ/SLUDGE									
SOILS									
CONTAMINATED SOILS									
DEBRIS CONTAMINATED SOILS									
DEBRIS WASTE									
METAL							90		N
INORGANIC NON-METAL									
COMBUSTIBLE							10		N
HETEROGENEOUS									
SPECIAL WASTE									
LAB PACKS/CONTAINERIZED LIQUIDS									
UNKNOWN									
OTHER *									
TOTAL ¹ (0 OR 100%)							100		

¹ Total for Each Waste Class MUST Equal 0 or 100%

* OTHER WASTE DESCRIPTION: _____

Waste Forms & Hazardous Constituents Mixed/Hazardous Only

TABLE 4 page 1 of 2

STEP 1 WASTE CLASS CH-LLMW-1

STEP 2 CONTAINER TYPE 55 gallon drum

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA						WAC			
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	ORG. D009	WT WP WC	PCB W001	PCB W001	
See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N

WASTE FORMS

%	SHIELDING									
	STEEL									
	LEAD									
	CONCRETE									
SOLID PROCESS RESIDUES										
	INORGANIC PARTICULATES									
	INORGANIC ABSORBED LIQUID/SLUDGES									
	SALT WASTE									
	ORGANIC PARTICULATES									
5	ORGANIC ABSORBED LIQ/SLUDG	100			100	100	100			N
SOILS										
5	CONTAMINATED SOILS	100			100	100	100	100		N
	DEBRIS CONTAMINATED SOILS									

NOTE: Waste Form % should be totaled on Table 4 Page 2 of 2 and MUST equal 100%

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Waste Forms & Hazardous Constituents Mixed/Hazardous Only

TABLE 4 page 2 of 2

STEP 1 WASTE CLASS CH-LLMW-1

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 2 CONTAINER TYPE 55 gallon drum

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

EPA / RCRA						WAC			STEP 6 Are Waste Forms Segre- gated? Y/N
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									

WASTE FORMS									
%	DEBRIS WASTES	< 50 ppm > 50 ppm							
	METAL								
2	INORGANIC NON-METAL		100						Y
10	COMBUSTIBLE	100		100	100	100	100		N
5	HETEROGENEOUS			100		100	100		N
SPECIAL WASTES									
51	LABPACKS/CONTAINERIZED LIQ.	100	100	100	100	100	100		N
	REACTIVE METALS								
	EXPLOSIVES/PROPELLENTS								
INHERENTLY HAZARDOUS WASTE									
2	ELEMENTAL MERCURY				100				Y
5	ELEMENTAL LEAD			100					Y
	BERYLLIUM WASTE								
15	BATTERIES			100					Y
UNKNOWN									
	OTHER *								
100%	* OTHER WASTE DISCRIPTION: _____								

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Waste Forms & Hazardous Constituents Mixed/Hazardous Only TABLE 4 page 1 of 2

STEP 1 WASTE CLASS CH-LLPW-1

STEP 2 CONTAINER TYPE B-25 Box

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA

WAC

STEP 6
Are Waste Forms Segregated?
Y/N

A	B	C	D	E	F	G	H	J
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8								

WASTE FORMS

%	SHIELDING	< 50 ppm > 50 ppm							
	STEEL								
	LEAD								
	CONCRETE								
SOLID PROCESS RESIDUES									
	INORGANIC PARTICULATES								
	INORGANIC ABSORBED LIQUID/SLUDGES								
	SALT WASTE								
	ORGANIC PARTICULATES								
	ORGANIC ABSORBED LIQ/SLUDG								
SOILS									
	CONTAMINATED SOILS								
	DEBRIS CONTAMINATED SOILS								

NOTE: Waste Form % should be totaled on Table 4 Page 2 of 2 and MUST equal 100%

Waste Forms & Hazardous Constituents Mixed/Hazardous Only

TABLE 4 page 2 of 2

STEP 1 WASTE CLASS CH-LLmw-1

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 2 CONTAINER TYPE B-25 Box

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

EPA / RCRA						WAC			STEP 6 Are Waste Forms Segre- gated? Y/N
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
• See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									

WASTE FORMS									
%	DEBRIS WASTES	< 50 ppm > 50 ppm							
	METAL								
	INORGANIC NON-METAL								
	COMBUSTIBLE								
100	HETEROGENEOUS			100	100	100			N
SPECIAL WASTES									
	LABPACKS/CONTAINERIZED LIQ.								
	REACTIVE METALS								
	EXPLOSIVES/PROPELLENTS								
INHERENTLY HAZARDOUS WASTE									
	ELEMENTAL MERCURY								
	ELEMENTAL LEAD								
	BERYLLIUM WASTE								
	BATTERIES								
UNKNOWN									
	OTHER *								
100%	• OTHER WASTE DISCRIPTION: _____								

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Waste Forms & Hazardous Constituents Mixed/Hazardous Only **TABLE 4** page 1 of 2

STEP 1 WASTE CLASS CH-LLHW-111

STEP 2 CONTAINER TYPE 55 gallon drum

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA						WAC			
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N

%	SHIELDING	< 50 ppm > 50 ppm							
	STEEL								
	LEAD								
	CONCRETE								
SOLID PROCESS RESIDUES									
	INORGANIC PARTICULATES								
	INORGANIC ABSORBED LIQUID/SLUDGES								
	SALT WASTE								
	ORGANIC PARTICULATES								
	ORGANIC ABSORBED LIQ/SLUDG								
SOILS									
	CONTAMINATED SOILS								
	DEBRIS CONTAMINATED SOILS								

NOTE: Waste Form % should be totaled on Table 4 Page 2 of 2 and MUST equal 100%

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Waste Forms & Hazardous Constituents Mixed/Hazardous Only

TABLE 4 page 2 of 2

STEP 1 WASTE CLASS CH-LMW-111

STEP 2 CONTAINER TYPE 55 gallon drum

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 5 EPA/RCRAWAC indicate percent present for each waste form

EPA / RCRA						WAC			STEP 6 Are Waste Forms Segre- gated? Y/N
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									

WASTE FORMS										< 50 ppm > 50 ppm
%	DEBRIS WASTES									
	METAL									
	INORGANIC NON-METAL									
	COMBUSTIBLE									
	HETEROGENEOUS									
	SPECIAL WASTES									
	LABPACKS/CONTAINERIZED LIQ.									
	REACTIVE METALS									
	EXPLOSIVES/PROPELLENTS									
	INHERENTLY HAZARDOUS WASTE									
	ELEMENTAL MERCURY									
100	ELEMENTAL LEAD			100						Y
	BERYLLIUM WASTE									
	BATTERIES									
	UNKNOWN									
	OTHER *									
100%	* OTHER WASTE DISCRIPTION: _____									

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WHC-SD-WM-PCID-002 REV 0

Waste Forms & Hazardous Constituents Mixed/Hazardous Only TABLE 4 page 1 of 2

STEP 1 WASTE CLASS CH-TRUM

STEP 2 CONTAINER TYPE 55 gallon drum

STEP 3 YEARS 1995 TO 1998
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA						WAC			
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
* See Appendix A:				MET - Tables A - 9 thru A - 11					
				ORG - Tables A - 1 thru A - 8					

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N

WASTE FORMS									
%	SHIELDING								
	STEEL								
	LEAD								
	CONCRETE								
SOLID PROCESS RESIDUES									
	INORGANIC PARTICULATES								
	INORGANIC ABSORBED LIQUID/SLUDGES								
	SALT WASTE								
	ORGANIC PARTICULATES								
	ORGANIC ABSORBED LIQ/SLUDG								
SOILS									
	CONTAMINATED SOILS								
	DEBRIS CONTAMINATED SOILS								

NOTE: Waste Form % should be totaled on Table 4 Page 2 of 2 and MUST equal 100%

Waste Forms & Hazardous Constituents Mixed/Hazardous Only

TABLE 4 page 2 of 2

STEP 1 WASTE CLASS CH-TRUM

STEP 2 CONTAINER TYPE 55 gallon drum

STEP 3 YEARS 1995 TO 1998
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA						WAC		
A	B	C	D	E	F	G	H	J
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001
* See Appendix A:								
MET - Tables A - 9 thru A - 11								
ORG - Tables A - 1 thru A - 8								

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N

WASTE FORMS										
%	DEBRIS WASTES	< 50 ppm > 50 ppm								
	METAL									
	INORGANIC NON-METAL									
100	COMBUSTIBLE (lead gloves)			100						Y
	HETEROGENEOUS									
SPECIAL WASTES										
	LABPACKS/CONTAINERIZED LIQ.									
	REACTIVE METALS									
	EXPLOSIVES/PROPELLENTS									
INHERENTLY HAZARDOUS WASTE										
	ELEMENTAL MERCURY									
	ELEMENTAL LEAD									
	BERYLLIUM WASTE									
	BATTERIES									
UNKNOWN										
	OTHER *									
100%	* OTHER WASTE DISCRIPTION: _____									

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Waste Forms & Hazardous Constituents Mixed/Hazardous Only **TABLE 4** page 1 of 2

STEP 1 WASTE CLASS Hazardous

STEP 2 CONTAINER TYPE 55 gallon drum

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4
INDICATE BELOW THE VOLUME % OF
WASTE FORM IN CONTAINER
IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA

WAC

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N
i

A	B	C	D	E	F	G	H	J
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8								

WASTE FORMS

%	SHIELDING	< 50 ppm > 50 ppm							
	STEEL								
	LEAD								
	CONCRETE								
SOLID PROCESS RESIDUES									
	INORGANIC PARTICULATES								
	INORGANIC ABSORBED LIQUID/SLUDGES								
	SALT WASTE								
	ORGANIC PARTICULATES								
	ORGANIC ABSORBED LIQ/SLUDG								
SOILS									
5	CONTAMINATED SOILS	100			100	100	100	100	N
	DEBRIS CONTAMINATED SOILS								

NOTE: Waste Form % should be totaled on Table 4 Page 2 of 2 and MUST equal 100%

Waste Forms & Hazardous Constituents Mixed/Hazardous Only

TABLE 4 page 2 of 2

STEP 1 WASTE CLASS Hazardous

STEP 2 CONTAINER TYPE 55 gallon drum

STEP 3 YEARS 1995 TO 1994
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.
STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA						WAC			
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N

WASTE FORMS

< 50 ppm > 50 ppm

%	DEBRIS WASTES									
8	METAL					100				Y
	INORGANIC NON-METAL									N
10	COMBUSTIBLE	100	100		100	100	100	100		
	HETEROGENEOUS									
	SPECIAL WASTES									
17	LABPACKS/CONTAINERIZED LIQ.	100	100		100	100	100	100		N
	REACTIVE METALS									
	EXPLOSIVES/PROPELLENTS									
	INHERENTLY HAZARDOUS WASTE									
	ELEMENTAL MERCURY									
	ELEMENTAL LEAD									
	BERYLLIUM WASTE									
	BATTERIES									
	UNKNOWN									
	OTHER *									
100%	* OTHER WASTE DISCRIPTION: _____									

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Waste Forms & Hazardous Constituents Mixed/Hazardous Only TABLE 4 page 1 of 2

STEP 1 WASTE CLASS Hazardous

STEP 2 CONTAINER TYPE 30 gallon drum

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4
INDICATE BELOW THE VOLUME % OF
WASTE FORM IN CONTAINER
IDENTIFIED IN STEP 2

WASTE FORMS

A separate Table 4 must be completed for each waste class and container type identified in Table 2.
STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA						WAC			
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
• See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N

%	SHIELDING										
	STEEL										
	LEAD										
	CONCRETE										
SOLID PROCESS RESIDUES											
	INORGANIC PARTICULATES										
	INORGANIC ABSORBED LIQUID/SLUDGES										
	SALT WASTE										
	ORGANIC PARTICULATES										
	ORGANIC ABSORBED LIQ/SLUDG										
SOILS											
	CONTAMINATED SOILS										
	DEBRIS CONTAMINATED SOILS										

NOTE: Waste Form % should be totaled on Table 4 Page 2 of 2 and MUST equal 100%

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Waste Forms & Hazardous Constituents Mixed/Hazardous Only **TABLE 4** page 2 of 2

STEP 1 WASTE CLASS Hazardous

STEP 2 CONTAINER TYPE 30 gallon drum

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4
INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

WASTE FORMS

STEP 5 EPA/RCRA WAC indicate percent present for each waste form

EPA / RCRA							WAC		STEP 6 Are Waste Forms Segre- gated? Y/N
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									
< 50 ppm > 50 ppm									
%	DEBRIS WASTES								
	METAL								
	INORGANIC NON-METAL								
10	COMBUSTIBLE								
	HETEROGENEOUS								
SPECIAL WASTES									
85	LABPACKS/CONTAINERIZED LIQ.								
	REACTIVE METALS								
	EXPLOSIVES/PROPELLENTS								
INHERENTLY HAZARDOUS WASTE									
	ELEMENTAL MERCURY								
	ELEMENTAL LEAD								
	BERYLLIUM WASTE								
5	BATTERIES								
UNKNOWN									
	OTHER *								
100%									

* OTHER WASTE DISRIPTION: _____

Waste Forms & Hazardous Constituents Mixed/Hazardous Only TABLE 4 page 1 of 2

STEP 1 WASTE CLASS Hazardous

STEP 2 CONTAINER TYPE 8 gallon drum

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

EPA / RCRA

WAC

A	B	C	D	E	F	G	H	J
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P082 U151	* ORG.	WT WP WC	PCB W001	PCB W001
See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8								

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N

WASTE FORMS

%	SHIELDING	< 50 ppm > 50 ppm						
	STEEL							
	LEAD							
	CONCRETE							
SOLID PROCESS RESIDUES								
	INORGANIC PARTICULATES							
	INORGANIC ABSORBED LIQUID/SLUDGES							
	SALT WASTE							
	ORGANIC PARTICULATES							
	ORGANIC ABSORBED LIQ/SLUDG							
SOILS								
	CONTAMINATED SOILS							
	DEBRIS CONTAMINATED SOILS							

NOTE: Waste Form % should be totaled on Table 4 Page 2 of 2 and MUST equal 100%

Waste Forms & Hazardous Constituents Mixed/Hazardous Only

TABLE 4 page 2 of 2

STEP 1 WASTE CLASS Hazardous

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 2 CONTAINER TYPE 8 gallon drum

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 4 INDICATE BELOW THE VOLUME % OF WASTE FORM IN CONTAINER IDENTIFIED IN STEP 2

EPA / RCRA						WAC			STEP 6 Are Waste Forms Segre- gated? Y/N
A	B	C	D	E	F	G	H	J	
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001	
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8									

WASTE FORMS									
%	DEBRIS WASTES	< 50 ppm > 50 ppm							
20	METAL							100	Y
	INORGANIC NON-METAL								
	COMBUSTIBLE								
	HETEROGENEOUS								
SPECIAL WASTES									
73	LABPACKS/CONTAINERIZED LIQ.	100	100	100	100	100	100		N
	REACTIVE METALS								
	EXPLOSIVES/PROPELLENTS								
INHERENTLY HAZARDOUS WASTE									
2	ELEMENTAL MERCURY				100				Y
	ELEMENTAL LEAD								
	BERYLLIUM WASTE								
5	BATTERIES		100						Y
UNKNOWN									
	OTHER *								
100%	* OTHER WASTE DISCRIPTION: _____								

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STEP 1 WASTE CLASS Hazardous

Waste Forms & Hazardous Constituents Mixed/Hazardous Only

TABLE 4 page 1 of 2

STEP 2 CONTAINER TYPE DOT 12B Box

A separate Table 4 must be completed for each waste class and container type identified in Table 2.

STEP 3 YEARS 1995 TO 1999
(INCLUDE HELD IF APPLICABLE)

STEP 5 EPA/RCRA/WAC indicate percent present for each waste form

STEP 4
INDICATE BELOW THE VOLUME % OF
WASTE FORM IN CONTAINER
IDENTIFIED IN STEP 2

EPA / RCRA

WAC

STEP 6
Are
Waste
Forms
Segre-
gated?
Y/N

A	B	C	D	E	F	G	H	J
IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001	PCB W001
* See Appendix A: MET - Tables A - 9 thru A - 11 ORG - Tables A - 1 thru A - 8

WASTE FORMS

%	SHIELDING	< 50 ppm > 50 ppm							
	STEEL								
	LEAD								
	CONCRETE								
SOLID PROCESS RESIDUES									
	INORGANIC PARTICULATES								
	INORGANIC ABSORBED LIQUID/SLUDGES								
	SALT WASTE								
	ORGANIC PARTICULATES								
	ORGANIC ABSORBED LIQ/SLUDG								
SOILS									
	CONTAMINATED SOILS								
	DEBRIS CONTAMINATED SOILS								

NOTE: Waste Form % should be totaled on Table 4 Page 2 of 2 and MUST equal 100%

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WHC-SD-WM-PICD-002 REV 0

Waste Forms & Hazardous Constituents Mixed/Hazardous Only											
STEP 1 WASTE CLASS <u>Hazardous</u>		A separate Table 4 must be completed for each waste class and container type identified in Table 2.									
STEP 2 CONTAINER TYPE <u>DOT 12B Box</u>		STEP 5 EPA/RCRA/WAC indicate percent present for each waste form									
STEP 3 YEARS <u>1995</u> TO <u>1999</u> (INCLUDE HELD IF APPLICABLE)		EPA / RCRA						WAC		STEP 6 Are Waste Forms Segregated? Y/N	
		A	B	C	D	E	F	G	H		J
		IGN. D001	CORR. D002	REAC. D003	* MET. (Metals)	MHG. (Mercury) D009 P065 P092 U151	* ORG.	WT WP WC	PCB W001		PCB W001
↓ WASTE FORMS											
%	DEBRIS WASTES										< 50 ppm > 50 ppm
	METAL										
	INORGANIC NON-METAL										
	COMBUSTIBLE										
	HETEROGENEOUS										
SPECIAL WASTES											
88	LABPACKS/CONTAINERIZED LIQ.	100	100		100	100	100	100			N
	REACTIVE METALS										
	EXPLOSIVES/PROPELLENTS										
INHERENTLY HAZARDOUS WASTE											
2	ELEMENTAL MERCURY					100					Y
	ELEMENTAL LEAD										
	BERYLLIUM WASTE										
10	BATTERIES		100								Y
UNKNOWN											
	OTHER *										
100%	* OTHER WASTE DISCRIPTION: _____										

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WHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLW-1

TABLE 5 page 1 of 2

CONTAINER TYPE: 55 gallon drum

Radiation Type

YEARS 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC.	TOTAL ACT	CONC.	TOTAL ACT	CONC.	TOTAL ACT	CONC.	TOTAL ACT	CONC.	TOTAL ACT	CONC.	TOTAL ACT
	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS	7.35 ⁻⁴	1.47 ⁻⁴	2.21 ⁻⁸	4.41 ⁻⁹	4.49 ⁻⁵	8.97 ⁻⁶	8.40 ⁻⁷	1.78 ⁻⁷	9.70 ⁻¹⁰	1.94 ⁻¹⁰	3.54 ⁻⁸	7.17 ⁻⁹
DEBRIS CONTAMINATED SOILS												

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WHC-SD-WM-PCD-002 REV 0

WASTE CLASS: CH-LLW-1

TABLE 5 page 2 of 2

CONTAINER TYPE: 55 gallon drum

Radiation Type

YEAR 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE

RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)
DEBRIS WASTES												
METAL	7.35 ⁻⁴	1.47 ⁻⁴	2.21 ⁻⁸	4.41 ⁻⁹	4.49 ⁻⁵	8.97 ⁻⁶	8.90 ⁻⁷	1.78 ⁻⁷	9.70 ⁻¹⁰	1.94 ⁻¹⁰	3.59 ⁻⁸	7.17 ⁻⁹
INORGANIC NON-METAL	7.35 ⁻⁴	1.47 ⁻⁴	2.21 ⁻⁸	4.41 ⁻⁹	4.49 ⁻⁵	8.97 ⁻⁶	8.90 ⁻⁷	1.78 ⁻⁷	9.70 ⁻¹⁰	1.94 ⁻¹⁰	3.59 ⁻⁸	7.17 ⁻⁹
COMBUSTIBLE	7.35 ⁻⁴	1.47 ⁻⁴	2.21 ⁻⁸	4.41 ⁻⁹	4.49 ⁻⁵	8.97 ⁻⁶	8.90 ⁻⁷	1.78 ⁻⁷	9.70 ⁻¹⁰	1.94 ⁻¹⁰	3.59 ⁻⁸	7.17 ⁻⁹
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.	7.35 ⁻⁶	1.47 ⁻⁶	2.21 ⁻¹⁰	4.41 ⁻¹¹	4.49 ⁻⁷	8.97 ⁻⁸	8.90 ⁻⁹	1.78 ⁻⁹	9.70 ⁻¹²	1.94 ⁻¹²	3.59 ⁻⁸	7.17 ⁻⁹
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Sample analysis

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MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLW-1CONTAINER TYPE: 4x4x8 box

Radiation Type

YEARS 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

WASTE CLASS: CH-LLW-1CONTAINER TYPE: 4x4x8 boxYEAR 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)
DEBRIS WASTES												
METAL	2.07 ⁻⁴	8.28 ⁻⁴	6.20 ⁻⁹	2.48 ⁻⁸	1.26 ⁻⁵	5.05 ⁻⁵	1.01 ⁻⁸	4.04 ⁻⁸	2.73 ⁻¹⁰	1.09 ⁻⁹	1.01 ⁻⁸	4.04 ⁻⁸
INORGANIC NON-METAL	2.07 ⁻⁴	8.28 ⁻⁴	6.20 ⁻⁹	2.48 ⁻⁸	1.26 ⁻⁵	5.05 ⁻⁵	1.01 ⁻⁸	4.04 ⁻⁸	2.73 ⁻¹⁰	1.09 ⁻⁹	1.01 ⁻⁸	4.04 ⁻⁸
COMBUSTIBLE	2.07 ⁻⁴	8.28 ⁻⁴	6.20 ⁻⁹	2.48 ⁻⁸	1.26 ⁻⁵	5.05 ⁻⁵	1.01 ⁻⁸	4.04 ⁻⁸	2.73 ⁻¹⁰	1.09 ⁻⁹	1.01 ⁻⁸	4.04 ⁻⁸
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Sample analysis

WASTE CLASS: CH-LLW-1

TABLE 5 page 1 of 2

CONTAINER TYPE: 7x7x9 Compactor Truck
(no container)

Radiation Type

YEARS 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. C/m ³	TOTAL ACT (CURIES)	CONC. C/m ³	TOTAL ACT (CURIES)	CONC. C/m ³	TOTAL ACT (CURIES)	CONC. C/m ³	TOTAL ACT (CURIES)	CONC. C/m ³	TOTAL ACT (CURIES)	CONC. C/m ³	TOTAL ACT (CURIES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

A-41

MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLW-1CONTAINER TYPE: 7x7x9 Compactor Truck
(no container)YEAR 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)
DEBRIS WASTES												
METAL												
INORGANIC NON-METAL												
COMBUSTIBLE	2.07 ⁻⁶	8.28 ⁻⁶	2.10 ⁻¹¹	2.48 ⁻¹⁰	1.26 ⁻⁷	5.05 ⁻⁷	1.01 ⁻¹⁰	4.04 ⁻¹⁰	2.73 ⁻¹²	1.09 ⁻¹¹	1.01 ⁻¹⁰	4.04 ⁻⁸
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Estimate

A-42

WHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLW-IIICONTAINER TYPE: 55 gallon drumYEARS 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. C/m ³	TOTAL ACT (CURES)	CONC. C/m ³	TOTAL ACT (CURES)	CONC. C/m ³	TOTAL ACT (CURES)	CONC. C/m ³	TOTAL ACT (CURES)	CONC. C/m ³	TOTAL ACT (CURES)	CONC. C/m ³	TOTAL ACT (CURES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

A-43

WHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLW-111

TABLE 5 page 2 of 2

CONTAINER TYPE: 55 gallon drum

Radiation Type

YEAR 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE

RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)
DEBRIS WASTES												
METAL	46.48	9.30	.0150	.0003	2.8335	.5667	.0560	.0112	.0001	1.23 ⁻⁵	.0023	4.53 ⁻⁴
INORGANIC NON-METAL	46.48	9.30	.0150	.0003	2.8335	.5667	.0560	.0112	.0001	1.23 ⁻⁵	.0023	4.53 ⁻⁴
COMBUSTIBLE	46.48	9.30	.0150	.0003	2.8335	.5667	.0560	.0112	.0001	1.23 ⁻⁵	.0023	4.53 ⁻⁴
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: _____

A-44

WHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLMW-111

TABLE 5 page 1 of 2

CONTAINER TYPE: 55 gallon drum

Radiation Type

YEARS 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

A-45

WMC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLMW-IIICONTAINER TYPE: 55 gallon drumYEAR 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)
DEBRIS WASTES												
METAL												
INORGANIC NON-METAL												
COMBUSTIBLE												
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD	46.48	9.30	.0150	.0003	28335	.5467	.0560	.0112	.0001	1.23 ⁻⁵	.0023	4.53 ⁻⁴
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: _____

WASTE CLASS: CH-LLMW-1CONTAINER TYPE: 55 gallon drumYEARS 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

TABLE 5 page 1 of 2

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.
	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
SOILS												
CONTAMINATED SOILS	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
DEBRIS CONTAMINATED SOILS												

A-47

WHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLMW-1CONTAINER TYPE: 55 gallon drumYEAR 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

TABLE 5 page 2 of 2

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)
DEBRIS WASTES												
METAL												
INORGANIC NON-METAL	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
COMBUSTIBLE	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
HETEROGENEOUS	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
ELEMENTAL LEAD	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
BERYLLIUM WASTE												
BATTERIES	3.68 ⁻⁴	7.35 ⁻⁵	1.11 ⁻⁸	2.21 ⁻⁹	2.25 ⁻⁵	4.49 ⁻⁶	4.45 ⁻⁷	8.90 ⁻⁸	4.85 ⁻¹⁰	9.70 ⁻¹¹	1.80 ⁻⁸	3.59 ⁻⁹
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Sample analysis

A-48

MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-LLIW-1

TABLE 5 page 1 of 2

CONTAINER TYPE: B-25 Box

Radiation Type

YEARS 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE

RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H,I, Rn,Kr,Xe)		Selenium		Technetium 99	
	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.
	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

A-49

WHC-SD-MM-PICD-002 REV 0

WASTE CLASS: CH-LLMW-1CONTAINER TYPE: B-25 BoxYEAR 1995 TO 1999 (INCLUDE HELD IF APPLICABLE)

TABLE 5 page 2 of 2

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC.	TOTAL ACT	CONC.	TOTAL ACT	CONC.	TOTAL ACT	CONC.	TOTAL ACT	CONC.	TOTAL ACT	CONC.	TOTAL ACT
	C/m ³	(CURIES)	C/m ³	(CURIES)	C/m ³	(CURIES)	C/m ³	(CURIES)	C/m ³	(CURIES)	C/m ³	(CURIES)
DEBRIS WASTES												
METAL												
INORGANIC NON-METAL												
COMBUSTIBLE												
HETEROGENEOUS	-11	-33	3.41 ⁻⁶	9.97 ⁻⁶	.01	.02	1.37 ⁻⁴	4.00 ⁻⁴	1.50 ⁻⁷	4.37 ⁻⁷	5.55 ⁻⁶	1.62 ⁻⁵
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Sample analysis

A-50

MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-TRU

TABLE 5 page 1 of 2

CONTAINER TYPE: 55 gallon drum

Radiation Type

YEARS 1995 TO 1998 (INCLUDE HELD IF APPLICABLE)

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE

RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatiles Radionuclides (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.	CONC.	TOTAL ACT.
	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)	C/m ³	(CURES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

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MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-TRUCONTAINER TYPE: 55 gallon drumYEAR 1995 TO 1998 (INCLUDE HELD IF APPLICABLE)

TABLE 5 page 2 of 2

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)
DEBRIS WASTES												
METAL					407.33	81.47						
INORGANIC NON-METAL												
COMBUSTIBLE					407.33	81.47						
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Estimate / sample analysis / assay

A-52

MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-TRUCONTAINER TYPE: SwBYEARS 1995 TO 1997 (INCLUDE HELD IF APPLICABLE)

TABLE 5 page 1 of 2

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)	CONC. Ci/m ³	TOTAL ACT (CURIES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

A-53

MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-TRUCONTAINER TYPE: SWBYEAR 1995 TO 1997 (INCLUDE HELD IF APPLICABLE)

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)
DEBRIS WASTES												
METAL					45.96	95.60						
INORGANIC NON-METAL												
COMBUSTIBLE					45.96	95.60						
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Estimate / Sample analysis / Assay

A-54

WMC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-TRUM

CONTAINER TYPE: 55 gallon drum

YEARS 1995 TO 1997 (INCLUDE HELD IF APPLICABLE)

Radiation Type

TABLE 5 page 1 of 2

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H,I, Rn,Kr,Xe)		Selenium		Technetium 99	
	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)	CONC. C/m ³	TOTAL ACT. (CURIES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

A-55

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WASTE CLASS: CH-TRUM

TABLE 5 page 2 of 2

CONTAINER TYPE: 55 gallon drum

Radiation Type

YEAR 1995 TO 1997 (INCLUDE HELD IF APPLICABLE)

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)
DEBRIS WASTES												
METAL												
INORGANIC NON-METAL												
COMBUSTIBLE (lead gloves)					407.33	81.47						
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Estimate / sample analysis / assay

A-56

MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-TRUM

CONTAINER TYPE: 55 gallon drum

YEARS 1997 TO 1998 (INCLUDE HELD IF APPLICABLE)

TABLE 5 page 1 of 2

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)
SHIELDING												
STEEL												
LEAD												
CONCRETE												
SOLID PROCESS RESIDUES												
INORGANIC PARTICULATES												
INORGANIC ABSORBED LIQUID/SLUDGES												
SALT WASTE												
ORGANIC PARTICULATES												
ORGANIC ABSORBED LIQ/SLUDGE												
SOILS												
CONTAMINATED SOILS												
DEBRIS CONTAMINATED SOILS												

A-57

MHC-SD-WM-PICD-002 REV 0

WASTE CLASS: CH-TRUMPCONTAINER TYPE: 55 gallon drumYEAR 1997 TO (INCLUDE HELD IF APPLICABLE)

Radiation Type

A SEPARATE TABLE 5 MUST BE COMPLETED FOR EACH APPLICABLE WASTE CLASS AND CONTAINER TYPE
 RADIATION TYPE: Please indicate the Concentration and Total Activity for each Waste Form

WASTE FORMS	Fission Product BETA-GAMMA		Uranium/ Neptunium		Pu/Am		Volatile Radionuclide (¹⁴ C, ³ H, I, Rn, Kr, Xe)		Selenium		Technetium 99	
	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)	CONC. Ci/m ³	TOTAL ACT. (CURIES)
DEBRIS WASTES												
METAL												
INORGANIC NON-METAL												
COMBUSTIBLE (lead gloves)			.025	.005								
HETEROGENEOUS												
SPECIAL WASTES												
LABPACKS/CONTAINERIZED LIQ.												
REACTIVE METALS												
EXPLOSIVES/PROPELLENTS												
INHERENTLY HAZARDOUS WASTE												
ELEMENTAL MERCURY												
ELEMENTAL LEAD												
BERYLLIUM WASTE												
BATTERIES												
UNKNOWN												
OTHER												

OTHER WASTE DESCRIPTION: Eshtvale

1994 SOLID WASTE FORECAST QUESTIONNAIRE

- A. Please answer all questions. This information will help determine Hanford's treatment, storage, and disposal requirements.

Question 4 (for all waste classes) and Question 5 (for mixed and hazardous waste only) provide a basis for determining how your waste will be grouped. Be sure to answer these questions or your forms will be returned.

- B. Ensure that the contact name, Level 3 Manager, and budget personnel are identified in the sign-off area of the questionnaire. Names must be typed (or printed) as well as written.

1. Please circle the waste classes that will be generated.

<u>CH_LLW_I</u>	<u>CH_LLW_III</u>	CH_LLW_GTCIII
RH_LLW_I	RH_LLW_III	RH_LLW_GTC_III
<u>CH_LLMW_I</u>	<u>CH_LLMW_III</u>	CH_LLMW_GTCIII
RH_LLMW_I	RH_LLMW_III	RH_LLMW_GTCIII
<u>CH_TRU</u>	<u>CH_TRUM</u>	<u>HAZ</u>
RH_TRU	RH_TRUM	

2. Generally describe these wastes and how they will be generated.

SEE ATTACHMENT

3. Have your waste volumes changed from your previous forecast? Yes No

Explain: This forecast does differ from the previous forecast. The discrepancies are primarily due to variables involved with deactivating both the PUREX and UO₃ facilities. The largest discrepancy is the volume of CH-TRU and CH-TRUM projected to be generated from the N-Cell cleanout. However, all of the waste classes differ from the 1993 solid waste forecast somewhat.

1994 SOLID WASTE FORECAST QUESTIONNAIRE

- 4.) Will waste be separated into like waste forms prior to shipping? (If you generate contaminated soils, inorganic particulates and metal debris, will you ship these waste in separate containers or will the waste be combined and placed into one container?)

Please explain for each waste class:

PUREX intends on compacting all compactable (paper, plastic, rubber, etc.) CH-LLW starting in FY 1995. This will somewhat separate the compactable and noncompactable LLW generated at PUREX. Other waste classes are separated if possible. If PUREX generates a LLMW container with solid paint waste, it will not add oily rags to it just because there is room in the container. Waste classes will never be mixed with each other.

5. If you generate hazardous or mixed waste please answer the following question.

Will you place several hazardous constituents in one container or will you segregate the constituents prior to shipping? (If you generate toxic metals and ignitables will you ship these constituents in separate containers or will they be combined and placed into one container?)

If the hazardous constituents are segregated, make sure each waste class by waste form (reference Table 4) has been explained using the method in Attachment B. Please provide further explanation if needed.

PUREX/UCO₃ attempts to segregate hazardous constituents of hazardous and mixed wastes as much as possible. It is common for a waste to have several hazardous constituents that may not be readily separable. Hazardous oil is a good example of this. It may be regulated for flash point, metals, organics, Washington toxic, and PCBs. Obviously the hazards in this oil cannot be segregated.

6. Describe your quarterly expected shipping schedule for each applicable waste class during FY-1995 (e.g., 40% of waste shipped during the first quarter, 20% in the second quarter, etc.).

SEE ATTACHMENT

1994 SOLID WASTE FORECAST QUESTIONNAIRE

7. Discuss the assumptions that were used to prepare this forecast. (Identify known dates for facility closure, decontamination and decommissioning [D&D], or any new programs that drive the forecast data provided in this request.)

SEE ATTACHMENT

8. What assumptions were used in estimating the minimum and maximum waste volumes identified in Table 1? (Minimum waste percentage is based upon the majority of the waste being sent to a commercial disposal site. Maximum waste percentage is based upon additional projects being initiated that will generate waste not accounted for in the best estimate volume.)

Minimum: Based on uncertainty of waste volumes generated from the PUREX and UO_2 closures and the exact schedule in which waste will actually be generated. Assumed the PUREX LLW compactor will be operational by fiscal year 1995.

Maximum: Based on uncertainty of actual waste volumes that could be generated due to deactivation activities and zone reduction. Assumed the LLW compactor is not operational.

9. Indicate confidence level for the following waste characterization data: (The physical waste forms are based upon historical characterization information.)

Physical Waste Forms (Table 3): High Low Medium

Explain: Based on past practice.

Hazardous Constituents (Table 4): High Low Medium

Explain: Based on past practice.

Radiation Type (Table 5) High Low Medium

Explain: Based on sample analysis.

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1994 SOLID WASTE FORECAST QUESTIONNAIRE

10. What percentage of the waste forecasted is existing waste? None
Of your existing waste, how confident are you in the current shipping schedule? HIGH LOW MEDIUM N/A

Explain: PUREX/UF₆ does not commonly hold waste.

What percentage of waste forecasted is future generated waste? 100%

Of your future generated waste, how confident are you in the volumes and shipping schedule? HIGH LOW MEDIUM

Explain: Based on previous experience.

- 10a. Please indicate whether your forecasts include only operational waste, or if transitional waste, environmental restoration (ER) and/or D&D activities have also been included. If transitional waste, ER and D&D have been included, indicate when each of these activities will take place.

Operational and transitional wastes have been forecasted. The UF₆ facility deactivation will be complete the first quarter of 1995. The PUREX facility deactivation will be complete by the end of fiscal year 1998. D&D will take over when each facility is deactivated.

- 10b. If you have not included transitional waste, ER, or D&D waste, will this waste potentially be managed at Hanford? Please provide an estimate of the expected volumes and years that the waste would be shipped.

This waste will potentially be managed at Hanford. No estimates will be provided for D&D or ER waste.

11. Please supply contact personnel information for data verification. Names must be typed (or printed) as well as written:

LLW:	J. R. Hilliard	<i>JRH</i>	Phone:	373-1782
LLMW:	J. R. Hilliard	<i>JRH</i>	Phone:	373-1782
TRU:	J. R. Hilliard	<i>JRH</i>	Phone:	373-1782
TRUM:	J. R. Hilliard	<i>JRH</i>	Phone:	373-1782
HAZ:	J. R. Hilliard	<i>JRH</i>	Phone:	373-1782

(Waste Contact)

Approved by: D. G. Harlow *DGH* Date: 6/15/94
(Level 3 Manager Signature)

Approved by: A. A. Grasher *AG* Date: 6-16-94
(Budget Concurrence)

1994 SOLID WASTE FORECAST QUESTIONNAIRE ATTACHMENT

2. The following is a brief explanation of how the different waste classes are generated at the PUREX and UO₃ facilities.

CH-LLW-I This waste is generated due to zone reduction, routine operations or maintenance activities, housekeeping, and deactivation efforts. The quantity of this waste should decline due to the UO₃ facility shutting down in FY 1995, LLW compaction at PUREX, and eventual shutdown of PUREX.

CH-LLW-III This waste is not commonly generated at PUREX/UO₃, but the potential does exist. Therefore, a small amount has been forecasted as a precaution.

CH-LLMW-I This waste is generated from operations or maintenance activities within radiation areas. The CH-LLMW-I generated at PUREX/UO₃ usually consists of chemicals or products which have expired shelf lives or are unusable for some other reason, or is LLW which has come in contact with a hazardous chemical.

CH-LLMW-III This waste is not commonly generated at PUREX/UO₃, but the potential does exist. Therefore, a small amount has been forecasted as a precaution.

CH-TRU This waste will be generated at PUREX from N-Cell deactivation efforts. It is predominantly metal and plastic contaminated with plutonium and a trace of americium. Waste resulting from the N-Cell cleanout is projected to be shipped by the end of FY 1996. TRU waste contaminated with neptunium will be generated in 1997 due to the Q-Cell cleanup.

CH-TRUM This waste is predominantly lead-lined gloves contaminated with plutonium.

HAZ This waste is generated from operations or maintenance activities outside of radiation areas. The hazardous waste generated at PUREX/UO₃ usually consists of chemicals or products which have expired shelf lives or are unusable for some other reason, or are inert materials that have come in contact with a hazardous chemical.

6. The shipping schedule for CH-LLW-I is expected to be 30% first quarter, 20% second quarter, 25% third quarter, and 25% the fourth quarter of fiscal year 1995. All other waste classes are expected to be shipped equally throughout the year.

1994 SOLID WASTE FORECAST QUESTIONNAIRE ATTACHMENT CONT.

7. For the purpose of this forecast the following is assumed:

- The UO_2 facility will complete its deactivation in December of 1995. After that the facility will be turned over to decontamination and decommissioning (D&D).
- PUREX will complete deactivation by the end of fiscal year 1998. After that the facility will be turned over to D&D.
- The Waste Segregation and Compaction Facility at PUREX will be operational by fiscal year 1995. It is assumed this will reduce CH-LLW by approximately 50%.
- One PUREX filter bank will fail a year, creating two B-25 boxes (206 ft³) of CH-LLMW-I.
- The outside zone reduction goal of 1.1 million square feet will be achieved before the facility deactivation is complete.
- The PUREX Analytical Laboratory will continue generating waste until fiscal year 1997. It will generate approximately 30 drums of CH-LLMW-I in fiscal year 1996.
- Approximately 10 drums of neptunium contaminated CH-TRU waste will be generated from the Q-Cell cleanout in fiscal year 1997.

DATE

FILMED

9/23/94

END