2. To: (Receiving Organization) Process Design	3. From: (Originating Organization) Process Engineering	4. Related EDT No.: NA
5. Proj./Prog./Dept./Div.: TWRS	6. Design Authority/ Design Agent/Cog. Engr.: G. W. Reddick	7. Purchase Order No.: NA
8. Originator Remarks: Approval/Release		9. Equip./Component No.: NA
		10. System/Bldg./Facility: NA
11. Receiver Remarks: 11A. Design Baseline Document? ☐ Yes ☒ No		12. Major Assm. Dwg. No.: NA
		13. Permit/Permit Application No.: NA
		14. Required Response Date:

15. DATA TRANSMITTED					(F)	(G)	(H)	(I)
(A) Item No.	(B) Document/Drawing No.	(C) Sheet No.	(D) Rev. No.	(E) Title or Description of Data Transmitted	Approval Design- ator	Reason for Trans- mittal	Origina- tor Dispo- sition	Receiv- er Dispo- sition
1	WHC-SD-WM-TI-777	-	0	Bases for Solid Waste Volume Estimates for Tank Waste Remediation System	NA	1,2	1	

16. KEY					
Approval Designator (F)		Reason for Transmittal (G)		Disposition (H) & (I)	
E, S, Q, D or N/A (see WHC-CM-3-5, Sec.12.7)		1. Approval 2. Release 3. Information	4. Review 5. Post-Review 6. Dist. (Receipt Acknow. Required)	1. Approved 2. Approved w/comment 3. Disapproved w/comment	4. Reviewed no/comment 5. Reviewed w/comment 6. Receipt acknowledged

17. SIGNATURE/DISTRIBUTION (See Approval Designator for required signatures)											
(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN	(G) Reason	(H) Disp.	(J) Name	(K) Signature	(L) Date	(M) MSIN
		Design Authority									
		Design Agent									
1	1	Cog.Eng. G. W. Reddick	<i>G. W. Reddick</i>	8/29/96							
1	1	Cog. Mgr. J. S. Garfield	<i>J. S. Garfield</i>	8-29-96							
		QA									
		Safety									
		Env.									

18. G. W. Reddick Signature of EDT Originator 8/29/96	19. Authorized Representative for Receiving Organization Date	20. J. S. Garfield Design Authority/ Cognizant Manager 8/29/96	21. DOE APPROVAL (if required) Ctrl. No. ☐ Approved ☐ Approved w/comments ☐ Disapproved w/comments
---	--	--	---

Bases for Solid Waste Volume Estimates for Tank Waste Remediation System

G. W. Reddick

Westinghouse Hanford Company, Richland, WA 99352

U.S. Department of Energy Contract DE-AC06-87RL10930

EDT/ECN: 617628

UC: 721

Org Code: 74A20

Charge Code: D2072

B&R Code: EW3130010

Total Pages: 147

Key Words: TWRS, solid waste, volume estimates, forecast, long-length equipment, TRU

Abstract: This document presents the background and basis for the Tank Waste Remediation System forecast for solid waste submitted in June 1996. The forecast was generated for single-shell tank and double-shell tank activities including operations through retrieval and disposal of chemical tank waste.

TRADEMARK DISCLAIMER. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof or its contractors or subcontractors.

Printed in the United States of America. To obtain copies of this document, contact: WHC/BCS Document Control Services, P.O. Box 1970, Mailstop H6-08, Richland WA 99352, Phone (509) 372-2420; Fax (509) 376-4989.

G. W. Reddick
Release Approval

9-3-96
Date

Release Stamp

Approved for Public Release

**BASES FOR SOLID WASTE
VOLUME ESTIMATES FOR
TANK WASTE
REMEDICATION SYSTEM**

August 1996

G. W. Reddick
Westinghouse Hanford Company

Prepared for
U.S. Department of Energy

This page intentionally left blank.

CONTENTS

1.0 INTRODUCTION	1
2.0 TANK WASTE REMEDIATION SYSTEM PROGRAM BASES	1
2.1 SINGLE-SHELL TANK LONG-LENGTH EQUIPMENT	1
2.2 TANK WASTE REMEDIATION SYSTEM PROCESSING (PRETREATMENT AND VITRIFICATION)	2
2.3 PHASE I FEED	3
2.4 SINGLE-SHELL TANK RETRIEVAL SEQUENCE	4
3.0 SOLID WASTE VOLUME AND CATEGORY BASES	7
3.1 SINGLE-SHELL TANK LONG-LENGTH EQUIPMENT	7
3.2 SINGLE-SHELL TANK RETRIEVAL	8
3.3 SOLID WASTE FROM FUTURE FACILITIES	8
3.3.1 High-Level Vitrification Plant	9
3.3.2 Low-Level Vitrification Plant	9
3.4 WASTE CATEGORIES	9
3.5 DETERMINATION OF TRANSURANIC POTENTIAL FOR TANK EQUIPMENT	10
4.0 REFERENCES	13
APPENDIX	
A - SOLID WASTE FORECAST	A-1
B - SINGLE-SHELL TANK EQUIPMENT LIST	B-1

LIST OF TERMS

CC	Complex concentrate
DN	Dilute non-complexed
DOE	U.S. Department of Energy
DSS	Double-shell slurry
DSSF	Double-shell slurry feed
DST	Double-shell tank
HLVP	High-level vitrification plant
HLW	High-level waste
HWVP	Hanford Waste Vitrification Plant
LAW	Low-activity waste
LEC	Lon equipment container
LLCE	Long-length contaminated equipment
LLVP	Low-level vitrification plant
LLW	Low-level waste
NCAW	Neutralized current acid waste
NCRW	Neutralized cladding removal waste
PUREX	Plutonium-uranium extraction
SST	Single-shell tank
TRU	Transuranic
TWRS	Tank Waste Remediation System
WHC	Westinghouse Hanford Company

BASES FOR SOLID WASTE VOLUME ESTIMATES FOR TANK WASTE REMEDIATION SYSTEM

1.0 INTRODUCTION

This document presents the background and basis for the Tank Waste Remediation System (TWRS) forecast for solid waste submitted in June 1996. The forecast was generated for single-shell tank (SST) and double-shell tank (DST) activities including operations through retrieval and disposal of chemical tank waste. The solid waste forecast prepared using these bases is contained in Appendix A.

2.0 TANK WASTE REMEDIATION SYSTEM PROGRAM BASES

The long-length contaminated equipment (LLCE) and other SST retrieval waste are handled according to the agreement reached with the U.S. Department of Energy (DOE 1996).

SST retrieval waste represents the waste generated by operations and maintenance during retrieval operations. Disposal of the equipment used for retrieval is included in the LLCE.

Solid waste will also be generated by the processes that pretreat the waste and the processes that vitrify the waste. These processes are used during the Phase I and Phase II operations described in Section 2.2.

2.1 SINGLE-SHELL TANK LONG-LENGTH EQUIPMENT

LLCE will consist of existing equipment and instrumentation used in tanks and equipment for the retrieval of tank waste.

For retrieval of tank waste, each tank will have from one to three sluicers installed. On average each tank will be assumed to have two sluicers installed until more detailed planning is available. The sluicer for 241-C-106 is about 5.5 m (18 ft) long and has a flange about 79 cm (31 in.) in diameter.

For retrieval, each tank will have one pump installed for removal of the slurry generated by the sluicers. Final cleanout will probably require the installation of a second pump for heel removal. Some pump failures and replacement are also expected. Two

pumps are assumed for each tank during sluicing. The pump installed in 241-C-106 is about 9 m (30 ft) long, collapsible to about 4.5 m (15 ft). The flange diameter is unknown but should be in the range of 0.76 to 1.14 m (30 to 45 in.).

For 2.84-ML (750,000-gal) and 3.8-ML (1-Mgal) tanks, the sluicers are expected to be the same as the sluicer for 241-C-106. The pumps in the larger tanks will need to be longer. The pumps for 2.84 ML tanks should be collapsible to 7.6 m (25 ft) in length. The pumps for 3.8-ML (1-Mgal) tanks should be collapsible to about 9.8 m (32 ft) in length.

2.2 TANK WASTE REMEDIATION SYSTEM PROCESSING (PRETREATMENT AND VITRIFICATION)

Phase I processing represents the demonstration phase and includes retrieval (from DST), in-tank sludge washing, supernatant pretreatment, low-level waste (LLW) immobilization, and an optional high-level waste (HLW) immobilization. Also included are interim storage of immobilized waste and disposal of immobilized waste.

Phase II processing is full scale operation and includes waste retrieval, interim storage of wastes, supernatant pretreatment, sludge/solids pretreatment, LLW immobilization, HLW immobilization, and interim storage of immobilized waste.

Phase I and Phase II use privatized contractor facilities for some of the functions and on site DOE government owned contractor operated facilities for some of the other functions. The amount and type of generated solid waste is expected to be approximately the same regardless of where the privatized line is drawn. In addition, the request for proposal for this work has the DOE responsible for handling the solid waste generated by the privatized facilities.

Phase I privatization begins June 2002 and runs through June 2007; additional operations may occur through 2011 (Washenfelter 1996).

Phase II operations for LLW are 2011 to 2021.

Phase II operations for HLW are 2013 to 2028.

Solid waste from Phase I are returned to DOE. The solid waste generated during Phase I operations are included in the solid waste estimates.

Solid waste generated from Phase II are included in the solid waste estimates.

The solid waste forecast does not include the immobilized tank waste.

The preliminary schedule for transfer of HLW solids to processing and for transfer of low-activity waste (LAW) solutions to the private contractors are used to estimate the kind of

solid waste generated. Phase I generates some solid waste from equipment failures due the demonstration nature of the processing. Two private contractors may be operating facilities during Phase I. However, the total volume of solid waste generated during Phase I is limited by its relatively short duration.

The preliminary retrieval schedule for SST is used to predict when solid waste is generated by Phase II. The throughput capacity of Phase II facilities is much greater than Phase I. A review of the waste generated by the Plutonium-Uranium Extraction (PUREX) plant in the 1980's is used to assist in the estimation of solid waste from this larger facility.

2.3 PHASE I FEED

The sources and volume of Phase I feed are shown below.

Washed high-level waste (HLW) solids:

FY 2002	101-AZ	380,000 L (100,000 gal)
FY 2003	101-AZ, 102-AZ	760,000 (200,000)
FY 2004	102-AZ	760,000 (200,000)
FY 2005	102-AZ, 102-AY	1,140,000 (300,000)
FY 2006	102-AY	1,140,000 (300,000)
FY 2007	102-AY	1,140,000 (300,000)
FY 2008	102-AY	760,000 (200,000)

LAW solution:

FY 2002	DN, DSSF	7.7 ML
FY 2003	DSSF, NCRW	8.4
FY 2004	DSSF	6.3
FY 2005	DSSF	2.9
FY 2006	DSSF	3.8
FY 2007	NCAW, CC	5.0
FY 2008	CC	3.9
FY 2009	DSS	3.5
FY 2010	CC	4.4
FY 2011	NCAW	1.5

CC = Complexant concentrate

DN = Dilute, non-complexed

DSS = Double-shell slurry

DSSF = Double-shell slurry feed

NCRW and NCAW = the supernatants from the respective NCAW and NCRW tanks.

2.4 SINGLE-SHELL TANK RETRIEVAL SEQUENCE

Retrieval of waste from SSTs begins in fiscal year 2004 and continues through 2018. Below is the initiation year for SST retrieval by tank farm.

FY 2004 AX 1 tank
A 1 tank
C 2 tanks

FY 2005 A 2 tanks
SX 1 tank
AX 2 tanks

FY 2006 SX 1 tank

FY 2007 SX 3 tanks

FY 2008 SX 2 tanks
U 6 tanks

FY 2009 C 4 tanks
U 2 tanks
AX 1 tank

FY 2010 C 7 tanks
A 1 tank
U 1 tank

FY 2012 A 2 tanks
B 4 tanks
BX 4 tanks
BY 2 tanks
C 2 tanks
S 2 tanks
SX 2 tanks
T 5 tanks
TX 2 tanks
TY 2 tanks

FY 2013 BY 2 tanks
SX 2 tanks
T 4 tanks
TX 4 tanks
TY 3 tanks

FY 2014	B	1 tanks
	BX	2 tanks
	BY	3 tanks
	S	2 tanks
	SX	3 tanks
	T	5 tanks
	TX	5 tanks
	TY	1 tanks

FY 2015	B	1 tank
	BX	1 tank
	BY	2 tanks
	S	3 tanks
	TX	1 tank
	U	2 tanks

FY 2016	B	4 tanks
	BX	3 tanks
	BY	2 tanks
	S	3 tanks
	SX	1 tank
	T	2 tanks
	TX	6 tanks

FY 2017	B	6 tanks
	BX	2 tanks
	BY	1 tanks
	S	2 tanks
	U	5 tanks

(This count of tanks includes both 100 and 200 series tanks. The 200 series tanks are four each in B Farm, C Farm, T Farm, and U Farm. Waste from 241-C-106 was assumed to be previously retrieved.)

This page intentionally left blank.

3.0 SOLID WASTE VOLUME AND CATEGORY BASES

3.1 SINGLE-SHELL TANK LONG-LENGTH EQUIPMENT

The long-length equipment for disposal consists of existing installed equipment plus the sluicers and pumps used for retrieval.

The existing long-length equipment in SST was identified by tank farm, type and number of equipment pieces. The total number of equipment pieces in SST was estimated to be 860 (Galbraith 1996). The table of these equipment pieces is contained in Appendix B. All of these equipment pieces were assumed to be removed before retrieval equipment is installed. This conservative assumption produced a total volume of waste that is less than the number estimated in previous forecasts. This equipment was allocated to individual tanks farms based on the estimated existing equipment inventory.

A Farm	85 equipment pieces
AX Farm	65
B Farm	33
BX Farm	76
BY Farm	101
C Farm	96
S Farm	52
SX Farm	110
T Farm	51
TX Farm	89
TY Farm	2
U Farm	100

Some of this equipment may not need to be removed to support retrieval of tank waste. At least three to four risers per tank are expected to be utilized for retrieval equipment and instrumentation. Existing equipment in the risers to be used by retrieval operations will require removal. Some equipment in other risers may interfere with sluicer operations and will also require removal. Under the best of conditions, the total count of existing equipment pieces requiring removal is expected to be 400 to 500. When specific plans are established for retrieval equipment on a tank-by-tank basis, refined estimates of the solid waste volume can be prepared.

The length and diameter of equipment was estimated based on installed equipment lists for each farm (Roach 1995). Based on the equipment sizes, the number of each container size was identified for each tank farm. A standard "square long equipment container (LEC)" was used for each piece of equipment. The LEC dimensions and volumes were provided in the solid waste spreadsheet (SWIFT) provided by solid waste programs.

The schedule for the removal of the equipment was determined based on the latest

estimate of the SST retrieval sequence (Penwell 1996). The retrieval sequence is estimated by tank. For purposes of the forecast, the sequence was identified by tank farm. As an example, in 2004, retrieval of waste from one A Farm tank begins, retrieval from one AX Farm tanks begins, and retrieval from two C Farm tanks begins. The equipment in these tanks was assumed to be removed in 2001, three (3) years before retrieval is scheduled to begin. Likewise for all of the SST, the existing equipment is removed three (3) years before retrieval is scheduled to begin.

With an estimate of the equipment in each tank farm and how many tanks are to be retrieved per year, the removal of equipment was prorated for each year from 2001 through 2014. (SST retrieval starts in the tanks from 2004 through 2017.)

Other long-length equipment will be generated by the disposal of retrieval equipment, sluicers and pumps. From one to three sluicers and one pump are expected to be used in each tank for retrieval operations. Of these, about one sluicer per tank and one pump per tank was assumed to require disposal as long-length equipment. This set of assumptions is expected to be conservative because some sluicers and pumps will be reused and those that are not reused are expected to be left in the tanks and disposed in the same manner as the tanks (DOE 1996).

All of the retrieval pumps and sluicers have some capability for retraction that permits a shorter container can be used for storage and disposal. All of the retrieval equipment is expected to fit into the containers that are 8.53-m (336-in.) long except the pumps removed from the 3,800 m³ (1 Mgal) tanks which will require containers 12.8 m (504 in.) long. In total, 140 sluicers and 140 pumps were identified for disposal as solid waste.

The schedule for the retrieval equipment disposal was assumed to be the same as the start date for retrieval. This will conservatively assure that containers are available and storage space is allocated when needed.

3.2 SINGLE-SHELL TANK RETRIEVAL

The solid waste in the SST retrieval category is the waste generated by SST retrieval operations. The volume of solid waste used in the this forecast is the same as used in the previous forecast. The volume of waste was prorated over the retrieval schedule based on the number of tanks being retrieved per year.

3.3 SOLID WASTE FROM FUTURE FACILITIES

The future facilities for processing and disposal of tank chemical waste are not well defined. In about two years, conceptual designs for the Phase I facilities are scheduled to be completed. As the conceptual designs are completed and progress is made toward more detailed designs, the accuracy of estimates for solid waste generation should improve. Until

designs are available, estimates are very preliminary and have to be estimated based on knowledge of former processing facilities such as PUREX or B Plant. The feed rates required for the future facilities provides some measure of the size of facilities (Slaathaug 1996). In addition, the designs of canceled projects such as the Hanford Waste Vitrification Plant (HWVP) and Interim Pretreatment Module (IPM) provide a general idea of the equipment and processes that are expected in future facilities.

3.3.1 High-Level Vitrification Plant

The solid waste from the high-level vitrification plant (HLVP) was estimated based on the annual production of solid waste by the PUREX plant during operations in the 1980's. The Phase II operations include a large facility and is expected to generate an amount of waste equivalent to the PUREX plant. The PUREX plant typically generated about 1,600 m³ of solid waste per year in the 1980's. The HLVP is expected to include some pretreatment processes and solid wastes generated by these processes are included in the forecasted volumes. In previous solid waste forecasts, the pretreatment processes had been included in a separate facility. The Phase I plant is a demonstration facility and is expected to generate about one fifth as much solid waste on an annual basis as the Phase II facility.

3.3.2 Low-Level Vitrification Plant

The Phase II low-level vitrification plant (LLVP) is a very large facility and is expected to generate an amount of waste equivalent to twice the volume of solid waste generated by the PUREX plant. The LLVP will have pretreatment processes and the solid waste generated by these processes are included in the forecasted volumes. In previous solid waste forecasts, the pretreatment processes had been included in a separate facility. The Phase I plant is a demonstration facility and is expected to generate about one fifth as much solid waste on an annual basis as the Phase II facility.

3.4 WASTE CATEGORIES

In addition to the volume, the solid waste forecast requires the type of waste be identified by hazard category and radionuclide category. All of the solid waste from the tanks were considered to be mixed waste, having both a hazardous component as defined by RCRA and a radionuclide component. Most of the waste coming from tanks is considered to be remote handled except for tanks that largely contain transuranic (TRU) waste without a large concentration of radioactive cesium and strontium.

Retrieval operations, the high level vitrification plant, and the low level vitrification plant have both contact handled and remote handled waste. The breakout of waste into the various categories was based on past solid waste forecasts (Valero 1996) and waste generated by former plants (Duncan 1993).

Most of the curies in SST are ^{90}Sr and ^{137}Cs . These two elements and their daughters make up between 95 percent and 99 percent of the total curies. Most of the equipment removed from tanks will be greater than the category I limit for these radionuclides but less than the category III limit. The category I limit for ^{90}Sr is $4.3 \times 10^{-3} \text{ Ci/m}^3$. The category III limit is $1.5 \times 10^4 \text{ Ci/m}^3$ (15 Ci/L). The category I limit for ^{137}Cs is $6.3 \times 10^{-3} \text{ Ci/m}^3$. The category III limit is $1.3 \times 10^4 \text{ Ci/m}^3$ (13 Ci/L). The sum of the fractions rule is used to determine the category when more than one radionuclide is present.

Waste from the retrieval operations and the vitrification plants will include some category I waste and some category III waste. None of the waste from the tanks, retrieval operations, or the vitrification plants is expected to be greater than category III. The highest concentration of cesium in any one tank is about 2 Ci/L in DST 241-AZ-101. The highest concentration of strontium is about 7 Ci/L (in about 867,000 L) in SST 241-C-106. Retrieval operations and other processing will generally tend to dilute the radionuclide concentrations. Some exceptions to this rule may occur during pretreatment processes, but the category III limit should not be exceeded for any solid waste generated during the operation of these processes.

3.5 DETERMINATION OF TRANSURANIC POTENTIAL FOR TANK EQUIPMENT

The amount of TRU equipment removed from tanks is significantly affected by an agreement reached with the DOE (1996). Equipment that has not been removed from tanks would be included in the closure plans for the tanks. All equipment removed from SSTs after 2003 will be decontaminated to non-TRU levels. To determine the amount of TRU equipment removed from tanks through 2003, the inventory of solid chemical waste in each of the SSTs was reviewed. Most of the curies of TRU constituents are contributed by plutonium and americium. Very few of the SSTs have a combination of TRU solids and a significant sludge depth.

In order for heavy equipment removed from a tank to be classified as TRU, the concentration of TRU must be 100 nCi/g ($1 \times 10^{-7} \text{ Ci/g}$) of total waste. The total weight of the equipment and any contamination is considered in making the TRU designation (DOE 1995). Tank equipment varies in weight from a few hundred pounds (e.g., 150 lbs to 500 lbs) to several thousand pounds (150 lbs is 68,000 g; 5,000 lbs is 2.26 million g). To contaminate 150 lbs of waste to TRU levels would require only 0.007 curies of TRU. To contaminate 5,000 lbs of waste to TRU levels requires 0.23 curies of TRU.

Fortunately, the **maximum** concentration of plutonium in any SST is about $1.3 \times 10^{-5} \text{ Ci/g}$ in Tank TX-118. About 538 g of this waste would be required to make 150 lbs of waste TRU. About 18 kg of this waste would be required to make 5,000 lbs of waste TRU. Only four other tanks have a significant potential for TRU contamination based on the TRU concentration in the tank and a significant volume of solids. A large volume of solids is required to contaminate more than the tip of the equipment. A small amount of contamination on the end of the equipment to cause a TRU designation.

Eighteen other tanks have some potential for creating TRU waste based on the concentration of TRU in the solids and the amount of solids in the tanks. None of the five tanks with significant TRU solids are scheduled for retrieval through 2003. Only one of the eighteen tanks with some potential for TRU contamination is scheduled for retrieval through 2003. However, if equipment is pulled out of tanks three years before retrieval begins, a total of seven out of the 18 tanks are affected. The probability of very long, light-weight equipment in these tanks being TRU is estimated to be in the range of 10 percent to 50 percent. Based on this estimate some of the long-length equipment removed during the years 2001, 2002, and 2003 may be TRU and was included in the forecast.

Based on the experience with Tank 241-SY-102, which had equipment removed which was TRU and contact handled, one-half of the TRU equipment was classified as contact handled and one-half as remote handled.

This page intentionally left blank.

4.0 REFERENCES

- Agnew, S. F., 1996, *Hanford Tank Chemical and Radionuclide Inventories: HDW Model Rev. 3*, LA-UR-96-858, Los Alamos National Laboratory, Los Alamos, New Mexico.
- DOE, 1995, *Transuranic Waste Baseline Inventory Report (Revision 2)*, DOE/CAO-95-1121, U.S. Department of Energy, Richland, Washington.
- DOE, 1996, *Tank Waste Remediation System (TWRS) Remote Handled Transuranic Waste Volume Forecast*, Letter, Jackson Kinzer to A. L. Trego, (April 11, 1996). U.S. Department of Energy, Richland, Washington.
- Duncan, D. R., et al, 1993, *Characterization of Past and Present Solid Waste Streams from the Plutonium-Uranium Extraction Plant*, WHC-EP-0646, Westinghouse Hanford Company, Richland, Washington.
- Galbraith, J. D., 1996, Personal Communication, Westinghouse Hanford Company, Richland, Washington.
- Penwell, D. L., 1996, Personal Communication, Westinghouse Hanford Company, Richland, Washington.
- Roach, H. L., 1996, *Disposal of Tank Farm Long-Length Contaminated Equipment: Alternative Options Study and Engineering Support Information*, WHC-SD-WM-ES-265, Rev. 0-A, Westinghouse Hanford Company, Richland, Washington.
- Slaathaug, E. J., 1996, *Tank Waste Remediation System Optimized Processing Strategy*, WHC-SD-WM-TI-0694, Rev. 0, Westinghouse Hanford Company, Richland, Washington.
- Valero, O. J., et al., 1996, *FY 1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary Volume II*, WHC-EP-0900, Westinghouse Hanford Company, Richland, Washington.

This page intentionally left blank.

APPENDIX A

SOLID WASTE FORECAST

This page intentionally left blank.

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
 (in cubic meters)

Page: 1

Waste Generator**Waste Class**

WHC HLVP		End Of Lifecycle: 2028														
CH_LLW_I		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol								50	50	50	50	50	50	50		
Min%								50	50	50	50	50	50	50		
Max%								200	200	200	200	200	200	200		
Vol		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Min%				250	250	250	250	250	250	250	250	250	250	250	250	250
Max%				50	50	50	50	50	50	50	50	50	50	50	50	50
				200	200	200	200	200	200	200	200	200	200	200	200	200
Vol		2026	2027	2028												
Min%		250	250	250												
Max%		50	50	50												
		200	200	200												
End of Lifecycle Reached																
		Total														
Vol		4,350														

CH_LLW_III		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol								150	150	150	150	150	150	150		
Min%								50	50	50	50	50	50	50		
Max%								200	200	200	200	200	200	200		
Vol		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Min%				750	750	750	750	750	750	750	750	750	750	750	750	750
Max%				50	50	50	50	50	50	50	50	50	50	50	50	50
				200	200	200	200	200	200	200	200	200	200	200	200	200
Vol		2026	2027	2028												
Min%		750	750	750												
Max%		50	50	50												
		200	200	200												
End of Lifecycle Reached																
		Total														
Vol		13,050														

WHC-SD-WM-TT-777
 Revision 0

A-3

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
(In cubic meters)

Page: 2

Waste Generator
Waste Class

RH_LLW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							40	40	40	40	40	40	40		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Min%			200	200	200	200	200	200	200	200	200	200	200	200	200
Max%			50	50	50	50	50	50	50	50	50	50	50	50	50
Vol	2026	2027	2028												
Min%	200	200	200												
Max%	50	50	50												
End of Lifecycle Reached															
Total	3,480														
Vol															

CH_LLWV_I

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							20	20	20	20	20	20	20		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Min%			100	100	100	100	100	100	100	100	100	100	100	100	100
Max%			50	50	50	50	50	50	50	50	50	50	50	50	50
Vol	2026	2027	2028												
Min%	100	100	100												
Max%	50	50	50												
End of Lifecycle Reached															
Total	1,740														
Vol															

WHC-SD-WM-TI-777
Revision 0

A-4

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
(In cubic meters)

Page: 3

Waste Generator
Waste Class

CH_LLMW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							40	40	40	40	40	40	40		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Vol			200	200	200	200	200	200	200	200	200	200	200	200	200
Min%			50	50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200	200
	2026	2027	2028												
Vol	200	200	200												
Min%	50	50	50												
Max%	200	200	200												
End of Lifecycle Reached															
Total															
Vol	3,480														

CH_TRUM

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							10	10	10	10	10	10	10		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Vol			50	50	50	50	50	50	50	50	50	50	50	50	50
Min%			50	50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200	200
	2026	2027	2028												
Vol	50	50	50												
Min%	50	50	50												
Max%	200	200	200												
End of Lifecycle Reached															
Total															
Vol	870														

WHC-SD-WM-TI-777
Revision 0

A-5

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
(In cubic meters)

Page: 4

Waste Generator
Waste Class

RH_TRUM	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							10	10	10	10	10	10	10		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Min%			50	50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200	200
Vol	2026	2027	2028												
Min%	50	50	50												
Max%	200	200	200												
End of Lifecycle Reached															
Total															
Vol	870														

HAZ

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							10	10	10	10	10	10	10		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Min%			50	50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200	200
Vol	2026	2027	2028												
Min%	50	50	50												
Max%	200	200	200												
End of Lifecycle Reached															
Total															
Vol	870														

Total WHC_HLVP

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							330	330	330	330	330	330	330		
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
			1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650	1,650
Vol	2026	2027	2028												
	1,650	1,650	1,650												
Vol	Total	28,710													

A-6

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
 (in cubic meters)

Page: 5

Waste Generator
Waste Class

WHC_LLVP	End Of Lifecycle: 2021														
CH_LLW_I	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							240	240	240	240	240	240	240	240	240
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Vol	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200				
Min%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															
Total															
Vol	15,360														
CH_LLW_III	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							240	240	240	240	240	240	240	240	240
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Vol	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200				
Min%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															
Total															
Vol	15,360														
RH_LLW_III	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							60	60	60	60	60	60	60	60	60
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Vol	300	300	300	300	300	300	300	300	300	300	300				
Min%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															
Total															
Vol	3,840														

WHC-SD-WM-TI-777
 Revision 0

A-7

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
(in cubic meters)

Waste Generator
Waste Class

CH_LLMW_I

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							40	40	40	40	40	40	40	40	40
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Min%	200	200	200	200	200	200	200	200	200	200	200				
Max%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															
Total															
Vol	2,560														

CH_LLMW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							40	40	40	40	40	40	40	40	40
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Min%	200	200	200	200	200	200	200	200	200	200	200				
Max%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															
Total															
Vol	2,560														

HAZ

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							20	20	20	20	20	20	20	20	20
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Min%	100	100	100	100	100	100	100	100	100	100	100				
Max%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															
Total															
Vol	1,280														

WHC-SD-WM-TL-777
Revision 0

WHC-SD-WM-TI-777
Revision 0

Page: 7

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
(In cubic meters)

Date: 6/19/96

Waste Generator		Waste Class																	
Total WHC_LLVP																			
	Vol	Held	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							
	Vol	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	640	640	640	640			
	Vol	Total																	
	Vol	40,960																	

Page: 8

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
(In cubic meters)

Page: 9

Waste Generator

Waste Class

Total WHC_SST_LLE

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2082
Vol	2,451	1,857	2,524	2,750	538	1,077	646								
Vol	Total														
	23,501														

WHC-SD-WM-TI-777
Revision 0

A-11

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
(In cubic meters)

Page: 10

Waste Generator
Waste Class

WHC SST RET			End Of Lifecycle:		2018												
CH_LLW_I			Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol											16	21	4	12	33	28	36
Min%											50	50	50	50	50	50	50
Max%											200	200	200	200	200	200	200
Vol			2011	2012	2013	2014	2015	2016	2017	2018							
Min%			50	60	61	90	41	86	65								
Max%			50	50	50	50	50	50	50								
Max%			200	200	200	200	200	200	200								
			End of Lifecycle Reached														
			Total														
Vol			603														
CH_LLMW_I			Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol											9	12	2	7	19	16	21
Min%											50	50	50	50	50	50	50
Max%											200	200	200	200	200	200	200
Vol			2011	2012	2013	2014	2015	2016	2017	2018							
Min%			30	34	35	52	24	86	38								
Max%			50	50	50	50	50	50	50								
Max%			200	200	200	200	200	200	200								
			End of Lifecycle Reached														
			Total														
Vol			385														
CH_LLMW_III			Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol											14	17	4	10	27	24	31
Min%											50	50	50	50	50	50	50
Max%											200	200	200	200	200	200	200
Vol			2011	2012	2013	2014	2015	2016	2017	2018							
Min%			40	52	51	76	34	72	55								
Max%			50	50	50	50	50	50	50								
Max%			200	200	200	200	200	200	200								
			End of Lifecycle Reached														
			Total														
Vol			507														

WHC-SD-WM-TI-777
Revision 0

A-12

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Waste Volumes and Percent Ranges
(in cubic meters)

Page: 11

Waste Generator
Waste Class

RH_LLMW_I	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol									4	5	1	3	8	7	10
Min%									50	50	50	50	50	50	50
Max%									200	200	200	200	200	200	200
	2011	2012	2013	2014	2015	2016	2017	2018							
Vol	10	18	18	23	11	22	17								
Min%	50	50	50	50	50	50	50								
Max%	200	200	200	200	200	200	200								
End of Lifecycle Reached															
Total															
Vol	155														
RH_LLMW_III	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol									6	8	2	5	13	11	14
Min%									50	50	50	50	50	50	50
Max%									200	200	200	200	200	200	200
	2011	2012	2013	2014	2015	2016	2017	2018							
Vol	20	22	23	35	18	33	25								
Min%	50	50	50	50	50	50	50								
Max%	200	200	200	200	200	200	200								
End of Lifecycle Reached															
Total															
Vol	233														
Total WHC_SST_RET	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol									49	63	13	37	100	86	112
Vol	2011	2012	2013	2014	2015	2016	2017	2018							
Vol	150	188	186	276	126	299	200								
Total															
Vol	1,883														

WHC-SD-WM-TL-777
Revision 0

SOLID WASTE FORECAST FY1997
Container Types

Waste Generator

Waste Class, Container

WHC_HLVP		End Of Lifecycle: 2028													
CH_LLW_I, H-2-42701 (4x4x8)		Held	1997	1998	1999	2000	2001	Percent Full: 100		Shielded: No		2007	2008	2009	2010
Percentage							2002	2003	2004	2005	2006	100	100	100	100
Cont. Count							100	100	100	100	100	100	100	100	100
							12	12	12	12	12	12	12	12	12
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100
Cont. Count			62	62	62	62	62	62	62	62	62	62	62	62	62
	2026	2027	2028												
Percentage	100	100	100												
Cont. Count	62	62	62												
End of Lifecycle Reached															
Total															
Cont. Count	1,076														

Total WHC_HLVP, CH_LLW_I															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100		
Cont. Count							12	12	12	12	12	12	12		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100
Cont. Count			62	62	62	62	62	62	62	62	62	62	62	62	62
	2026	2027	2028												
Percentage	100	100	100												
Cont. Count	62	62	62												
	Total														
Cont. Count	1,076														

CH_LLW_III, H-2-42701 (4x4x8)	Held	1997	1998	1999	2000	2001	Percent Full: 100			Shielded: No					
Percentage							2002	2003	2004	2005	2006	2007	2008	2009	2010
Cont. Count							100	100	100	100	100	100	100	100	100
							37	37	37	37	37	37	37	37	37
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Cont. Count			100	100	100	100	100	100	100	100	100	100	100	100	100
			185	185	185	185	185	185	185	185	185	185	185	185	185
Percentage	2026	2027	2028												
Cont. Count	100	100	100												
	185	185	185												
End of Lifecycle Reached															
Cont. Count	Total														
	3,219														

WHC-SD-WM-T-777
Revision 0

SOLID WASTE FORECAST FY1997
Container Types

Waste Generator

Waste Class, Container

Total WHC_HLVP, CH_LLW_III	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
	Percentage						100	100	100	100	100	100	100				
	Cont. Count						37	37	37	37	37	37	37				
	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
	Cont. Count			100	100	100	100	100	100	100	100	100	100	100	100	100	
	Percentage			185	185	185	185	185	185	185	185	185	185	185	185	185	
	Percentage	2026	2027	2028													
	Cont. Count	100	100	100													
	Percentage	185	185	185													
	Cont. Count	Total															
	3,219																
RH_LLW_III, MB-V (4x4x8)	Held	1997	1998	1999	2000	2001	2002	Percent Full: 100		2004	2005	Shielded: No		2007	2008	2009	2010
	Percentage						100	100	100	100	100	100	100	100	100		
	Cont. Count						10	10	10	10	10	10	10	10	10		
	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
	Cont. Count			100	100	100	100	100	100	100	100	100	100	100	100	100	100
	Percentage			51	51	51	51	51	51	51	51	51	51	51	51	51	51
	Percentage	2026	2027	2028													
	Cont. Count	100	100	100													
	Percentage	51	51	51													
	End of Lifecycle Reached																
Cont. Count	Total																
	888																
Total WHC_HLVP, RH_LLW_III	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
	Percentage						100	100	100	100	100	100	100				
	Cont. Count						10	10	10	10	10	10	10				
	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
	Cont. Count			100	100	100	100	100	100	100	100	100	100	100	100	100	
	Percentage			51	51	51	51	51	51	51	51	51	51	51	51	51	
	Percentage	2026	2027	2028													
	Cont. Count	100	100	100													
	Percentage	51	51	51													
	Cont. Count	Total															
	888																

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Container Types

Page: 3

Waste Generator

Waste Class, Container

CH_LLMW_I, 208 L Drum (1A2)										Percent Full: 100				Shielded: No					
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010				
Percentage							100	100	100	100	100	100	100	100	100				
Cont. Count							78	78	78	78	78	78	78	78	78				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025				
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100				
Cont. Count			389	389	389	389	389	389	389	389	389	389	389	389	389				
	2026	2027	2028																
Percentage	100	100	100																
Cont. Count	389	389	389																
End of Lifecycle Reached																			
Total																			
Cont. Count	8,779																		

Total WHC_HLVP, CH_LLMW_I

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010					
Percentage							100	100	100	100	100	100	100	100	100					
Cont. Count							78	78	78	78	78	78	78	78	78					
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025					
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100					
Cont. Count			389	389	389	389	389	389	389	389	389	389	389	389	389					
	2026	2027	2028																	
Percentage			100	100																
Cont. Count			389	389																
	Total																			
Cont. Count			6,770																	

CH_LLMW_III, 208 L Drum (1A2)

III. 208 L Drum (IA2)											Percent Full: 100				Shielded: No				
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010				
Percentage							100	100	100	100	100	100	100	100	100				
Cont. Count							156	156	156	156	156	156	156	156	156				
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025				
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100				
Cont. Count			778	778	778	778	778	778	778	778	778	778	778	778	778				
	2026	2027	2028																
Percentage		100	100	100															
Cont. Count		778	778	778															
End of Lifecycle Reached																			
Total																			
Cont. Count	13,540																		

WHC-SD-WM-TL-777
Revision 0

A-16

SOLID WASTE FORECAST FY1997
Container Types

Waste Generator

Waste Class, Container

Total WHC_HLVP, CH_LLWW_III

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Cont. Count	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Percentage														
Cont. Count														
Percentage	2026	2027	2028											
Cont. Count	100	100	100											
Cont. Count	778	778	778											
Cont. Count	Total													
Cont. Count	13,540													

CH_TRUM, 208 L Drum (1A2)

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Cont. Count	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Percentage														
Cont. Count														
Percentage	2026	2027	2028											
Cont. Count	100	100	100											
Cont. Count	195	195	195											
Cont. Count	Total													
Cont. Count	3,393													

Total WHC_HLVP, CH_TRUM

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Cont. Count	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Percentage														
Cont. Count														
Percentage	2026	2027	2028											
Cont. Count	100	100	100											
Cont. Count	195	195	195											
Cont. Count	Total													
Cont. Count	3,393													

WHC-SD-WM-TL-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Container Types

Page: 5

Waste Generator

Waste Class, Container

RH_TRUM, SWB		Percent Full: 100										Shielded: No				
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage							100	100	100	100	100	100	100	100	100	
Cont. Count							5	5	5	5	5	5	5	5	5	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100	
Cont. Count			24	24	24	24	24	24	24	24	24	24	24	24	24	
	2026	2027	2028													
Percentage		100	100	100												
Cont. Count		24	24	24												
End of Lifecycle Reached																
Total		419														
Cont. Count																
Total WHC_HLVP, RH_TRUM		Percent Full: 100										Shielded: No				
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage							100	100	100	100	100	100	100	100	100	
Cont. Count							5	5	5	5	5	5	5	5	5	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100	
Cont. Count			24	24	24	24	24	24	24	24	24	24	24	24	24	
	2026	2027	2028													
Percentage		100	100	100												
Cont. Count		24	24	24												
Total		419														
Cont. Count																
HAZ, 208 L Drum (1A2)		Percent Full: 100										Shielded: No				
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage							100	100	100	100	100	100	100	100	100	
Cont. Count							39	39	39	39	39	39	39	39	39	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100	
Cont. Count			195	195	195	195	195	195	195	195	195	195	195	195	195	
	2026	2027	2028													
Percentage		100	100	100												
Cont. Count		195	195	195												
End of Lifecycle Reached																
Total		3,393														
Cont. Count																

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Container Types

Page: 6

Waste Generator

Waste Class, Container

Total WHC_HLVP, HAZ

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100		
Cont. Count							39	39	39	39	39	39	39		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100
Cont. Count			195	195	195	195	195	195	195	195	195	195	195	195	195
	2026	2027	2028												
Percentage	100	100	100												
Cont. Count	195	195	195												
	Total														
Cont. Count	3,393														

A-19

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Container Types

Page: 7

Waste Generator

Waste Class, Container

WHC_LLVP		End Of Lifecycle: 2021													
CH_LLW_I, H-2-42701 (4x4x8)		Held	1997	1998	1999	2000	2001	Percent Full: 100		Shielded: No					
Percentage							2002	2003	2004	2005	2006	2007	2008	2009	2010
Cont. Count							100	100	100	100	100	100	100	100	100
							59	59	59	59	59	59	59	59	59
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage															
Cont. Count	100	100	100	100	100	100	100	100	100	100	100				
	296	296	296	296	296	296	296	296	296	296	296				
End Of Lifecycle Reached															
Total															
Cont. Count	3,787														

Total WHC_LLVP, CH_LLW_I															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Cont. Count							59	59	59	59	59	59	59	59	59
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage	100	100	100	100	100	100	100	100	100	100	100				
Cont. Count	296	296	296	296	296	296	296	296	296	296	296				
Cont. Count	Total														
	3,787														

CH_LLW_III, H-2-42701 (4x4x8)	Percent Full: 100										Shielded: No				
Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100	100	100	100	100	100	100	
Cont. Count						59	59	59	59	59	59	59	59	59	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage	100	100	100	100	100	100	100	100	100	100	100				
Cont. Count	296	296	296	296	296	296	296	296	296	296	296				
End of Lifecycle Reached															
Cont. Count	Total 3,787														

Total WHC_LLVP, CH_LLW_III																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage							100	100	100	100	100	100	100	100	100	
Cont. Count							59	59	59	59	59	59	59	59	59	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
Cont. Count	100	100	100	100	100	100	100	100	100	100	100					
Cont. Count	296	296	296	296	296	296	296	296	296	296	296					
Cont. Count	Total															
	3,787															

A-20

WHC-SD-MM-TL-777
Revision 0

SOLID WASTE FORECAST FY1997
Container Types

Waste Generator

Waste Class, Container																	
RH_LLW_III, MB-V (4x4x8)		Held	1997	1998	1999	2000	2001	Percent Full:		100	Shielded:		No	2007	2008	2009	2010
Percentage								2002	2003	2004	2005	2006					
Cont. Count								100	100	100	100	100		100	100	100	100
								15	15	15	15	15		15	15	15	15
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
Percentage		100	100	100	100	100	100	100	100	100	100	100					
Cont. Count		78	78	78	78	78	78	78	78	78	78	78					
End of Lifecycle Reached																	
Total																	
Cont. Count		971															
Total WHC_LLVP, RH_LLW_III		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage								100	100	100	100	100	100	100	100	100	
Cont. Count								15	15	15	15	15	15	15	15	15	
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
Percentage		100	100	100	100	100	100	100	100	100	100	100					
Cont. Count		78	78	78	78	78	78	78	78	78	78	78					
Total																	
Cont. Count		971															
CH_LLMW_I, 208 L Drum (1A2)		Held <th>1997</th> <th>1998</th> <th>1999</th> <th>2000</th> <th>2001</th> <th colspan="2">Percent Full:</th> <th>100</th> <th colspan="2">Shielded:</th> <th>No</th> <th>2007</th> <th>2008</th> <th>2009</th> <th>2010</th>	1997	1998	1999	2000	2001	Percent Full:		100	Shielded:		No	2007	2008	2009	2010
Percentage								2002	2003	2004	2005	2006					
Cont. Count								100	100	100	100	100		100	100	100	100
								156	156	156	156	156		156	156	156	156
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
Percentage		100		100	100	100	100	100	100	100	100	100					
Cont. Count		778	778	778	778	778	778	778	778	778	778	778					
End of Lifecycle Reached																	
Total																	
Cont. Count		9,962															
Total WHC_LLVP, CH_LLMW_I		Held <th>1997</th> <th>1998</th> <th>1999</th> <th>2000</th> <th>2001</th> <th>2002</th> <th>2003</th> <th>2004</th> <th>2005</th> <th>2006</th> <th>2007</th> <th>2008</th> <th>2009</th> <th>2010</th>	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage								100	100	100	100	100	100	100	100	100	
Cont. Count								156	156	156	156	156	156	156	156	156	
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
Percentage		100	100	100	100	100	100	100	100	100	100	100					
Cont. Count		778	778	778	778	778	778	778	778	778	778	778					
Total																	
Cont. Count		9,962															

WHC-SD-WM-TL-777
Revision 0

SOLID WASTE FORECAST FY1997
Container Types

Waste Generator

Waste Class, Container

CH_LLMW_III, 208 L Drum (1A2)												Percent Full: 100				Shielded: No			
Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010					
Percentage						100	100	100	100	100	100	100	100	100					
Cont. Count						156	156	156	156	156	156	156	156	156					
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021								
Percentage	100	100	100	100	100	100	100	100	100	100	100								
Cont. Count	778	778	778	778	778	778	778	778	778	778	778								
End of Lifecycle Reached																			
Total																			
Cont. Count	9,962																		

Total WHC_LLVP, CH_LLMW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Cont. Count							156	156	156	156	156	156	156	156	156
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage	100	100	100	100	100	100	100	100	100	100	100				
Cont. Count	778	778	778	778	778	778	778	778	778	778	778				
	Total														
Cont. Count	9,962														

HAZ, 208 L Drum (1A2)

Drum (1A2)		Percent Full: 100													Shielded: No			
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010			
Percentage							100	100	100	100	100	100	100	100	100			
Cont. Count							78	78	78	78	78	78	78	78	78			
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021							
Percentage	100	100	100	100	100	100	100	100	100	100	100							
Cont. Count	389	389	389	389	389	389	389	389	389	389	389							
End of Lifecycle Reached																		
Total																		
Cont. Count		4,981																

Total WHC_LLVP, HAZ

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Cont. Count							78	78	78	78	78	78	78	78	78
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage	100	100	100	100	100	100	100	100	100	100	100				
Cont. Count	389	389	389	389	389	389	389	389	389	389	389				
	Total														
Cont. Count	4,981														

A-22

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Container Types

Waste Generator

Waste Class, Container

WHC SST_LLE		End Of Lifecycle: 2024																		
RH_LLMW_III, LEC-10		Held	1997	1998	1999	2000	2001	Percent Full:			100	Shielded: No			2005	2006	2007	2008	2009	2010
Percentage							12	14	24	10			13	16	15	13	13	13	13	
Cont. Count							10	13	3	8			21	18	23	30	40	39	39	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024						
Cont. Count	16	10	15	10																
End of Lifecycle Reached																				
Total																				
Cont. Count		383																		
<hr/>																				
RH_LLMW_III, LEC-11		Held	1997	1998	1999	2000	2001	Percent Full:			100	Shielded: No			2005	2006	2007	2008	2009	2010
Percentage							21	7	11	5			6	7	7	8	7	6	6	
Cont. Count							13	5	1	3			7	6	8	10	15	15	14	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024						
Cont. Count	8	5	7	5																
End of Lifecycle Reached																				
Total																				
Cont. Count		145																		
<hr/>																				
RH_LLMW_III, LEC-12		Held	1997	1998	1999	2000	2001	Percent Full:			100	Shielded: No			2005	2006	2007	2008	2009	2010
Percentage							2	2		12			7	3	5	8	6	7	7	
Cont. Count							1	1		5			6	2	4	9	9	9	11	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024						
Cont. Count	7	11	9	11	25	25	25													
End of Lifecycle Reached																				
Total																				
Cont. Count		159																		

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Container Types

Waste Generator

Waste Class, Container

RH_LLMW_III, LEC-13

	Held	1997	1998	1999	2000	2001	Percent Full:		100	2005	Shielded: No		2007	2008	2009	2010
Percentage						6	2002	2003	2004	6	2006	7	7	2	8	6
Cont. Count						2	2	1	1	4	3	4	4	2	10	7
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Cont. Count	5	5	7	5												
End of Lifecycle Reached	7	5	10	7												
Total																
Cont. Count	65															

RH_LLMW_III, LEC-14

	Held	1997	1998	1999	2000	2001	Percent Full:		100	2005	Shielded: No		2007	2008	2009	2010
Percentage						34	2002	2003	2004	39	2006	51	44	43	38	40
Cont. Count						5	7	1	4	11	10	12	17	20	21	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Cont. Count	34	30	46	32												
End of Lifecycle Reached	21	14	29	22												
Total																
Cont. Count	194															

RH_LLMW_III, LEC-15

	Held	1997	1998	1999	2000	2001	Percent Full:		100	2005	Shielded: No		2007	2008	2009	2010
Percentage						7	2002	2003	2004	29	2006	16	22	28	25	27
Cont. Count						1	12	6	43	8	3	6	11	13	14	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Cont. Count	30	39	16	37	75	75	75									
End of Lifecycle Reached	18	18	10	25	10	20	12									
Total																
Cont. Count	177															

WHC-SD-WM-TI-777
Revision 0

Waste Generator

Waste Class, Container																	
RH_LLMW_III, LEC-18		Held	1997	1998	1999	2000	2001	Percent Full:		100	Shielded: No		2006	2007	2008	2009	2010
Percentage							19	2002	2003	2004	2005						
Cont. Count							2	2	2								
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Cont. Count																	
End of Lifecycle Reached																	
Total																	
Cont. Count		4															
RH_LLMW_III, LEC-18		Held	1997	1998	1999	2000	2001	Percent Full:		100	Shielded: No		2006	2007	2008	2009	2010
Percentage								2002	2003	2004	2005					3	
Cont. Count																1	
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Cont. Count																	
End of Lifecycle Reached																	
Total																	
Cont. Count		1															
Total WHC_SST_LLE, RH_LLMW_III		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage							100	100	100	100	100	100	100	100	100	100	
Cont. Count							34	32	8	27	57	42	57	79	108	108	
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Cont. Count		100	100	100	100	100	100	100									
End of Lifecycle Reached		136	88	139	133	20	40	24									
Total																	
Cont. Count		1,128															

Waste Class, Container

CH_TRUM, LEC-18		Percent Full: 100										Shielded: No				
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100								
Cont. Count						3	3	3								
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Cont. Count																
End of Lifecycle Reached																
Total																
Cont. Count	9															

Total WHC_SST_LLE, CH_TRUM

[illegible]

RH TRUM. LEC-16

LEC-16							Percent Full: 100			Shielded: No					
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100							
Cont. Count						3	3	3							
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Percentage															
Cont. Count															
End of Lifecycle Reached															
Total															
Cont. Count	9														

Total WHC_SST_LLE, RH_TRUM

[illegible]

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Container Types

Page: 14

Waste Generator

Waste Class, Container

WHC	SST	RET	End Of Lifecycle: 2018																
CH_LLW_I, 208 L Drum (1A1)			Held	1997	1998	1999	2000	2001	2002	2003	Percent Full: 100	2004	2005	Shielded: No	2006	2007	2008	2009	2010
Percentage												100	100		100	100	100	100	100
Cont. Count												68	87		17	50	138	118	149
Percentage			2011	2012	2013	2014	2015	2016	2017	2018									
Cont. Count			100	100	100	100	100	100	100	100									
End of Lifecycle Reached			207	248	252	372	169	355	269										
Total																			
Cont. Count			2,493																

Total WHC_SST_RET_CH_LLW_I																	
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage									100	100	100	100	100	100	100		
Cont. Count									66	87	17	50	136	116	149		
	2011	2012	2013	2014	2015	2016	2017	2018									
Percentage	100	100	100	100	100	100	100	100									
Cont. Count	207	248	252	372	169	355	269										
	Total																
Cont. Count	2,493																

CH_LLMW_I, 208 L Drum (1A1)			Held	1997	1998	1999	2000	2001	2002	2003	Percent Full: 100	2004	2005	Shielded: No	2006	2007	2008	2009	2010
			Percentage									100	100		100	100	100	100	100
			Cont. Count									37	50		8	29	79	66	87
			2011	2012	2013	2014	2015	2016	2017	2018									
			Percentage	100	100	100	100	100	100	100									
			Cont. Count	124	140	145	215	99	355	157									
			End of Lifecycle Reached																
			Total																
			Cont. Count	1,591															

Total WHC_SST_RET_CH_LLMW_I																	
A	Held		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
	Percentage									100	100	100	100	100	100	100	
	Cont. Count									37	50	8	29	79	66	87	
	2011		2012	2013	2014	2015	2016	2017	2018								
	Percentage		100	100	100	100	100	100	100								
	Cont. Count		124	140	145	215	99	355	157								
Total																	
Cont. Count		1,591															

WHC-SD-WM-TL-777
Revision 0

A-27

SOLID WASTE FORECAST FY1997
Container Types

Waste Generator

Waste Class, Container

CH_LLMW_III, 208 L Drum (1A1)		Held	1997	1998	1999	2000	2001	2002	2003	Percent Full:	100	2004	2005	Shielded:	No	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018			100	100			100	100	100	100	100
Cont. Count		165	215	211	314	140	298	227			58	70	70		17	41	112	99	128	
Percentage		100	100	100	100	100	100	100												
Cont. Count		165	215	211	314	140	298	227												
End of Lifecycle Reached																				
Total		2,095																		
Cont. Count		2,095																		
Total WHC_SST_RET, CH_LLMW_III																				
Held		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010					
Percentage		2011	2012	2013	2014	2015	2016	2017	2018											
Cont. Count		165	215	211	314	140	298	227												
Total		2,095																		
Cont. Count		2,095																		
RH_LLMW_I, 208 L Drum (1A1)																				
Held		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010					
Percentage		2011	2012	2013	2014	2015	2016	2017	2018											
Cont. Count		41	74	66	95	45	91	70												
End of Lifecycle Reached																				
Total		639																		
Cont. Count		639																		
Total WHC_SST_RET, RH_LLMW_I																				
Held		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010					
Percentage		2011	2012	2013	2014	2015	2016	2017	2018											
Cont. Count		41	74	66	95	45	91	70												
End of Lifecycle Reached																				
Total		639																		
Cont. Count		639																		

WHC-SD-WM-TL-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Container Types

Page: 16

Waste Generator

Waste Class, Container

RH_LLMW_III, 208 L Drum (lead-lined)								Percent Full: 100		Shielded: No						
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage									100	100	100	100	100	100	100	
Cont. Count									23	31	8	19	51	43	54	
	2011	2012	2013	2014	2015	2016	2017	2018								
Percentage	100	100	100	100	100	100	100									
Cont. Count	78	86	89	136	62	128	97									
End of Lifecycle Reached																
	Total															
Cont. Count	905															

Total WHC_SST_RET, RH_LLMW_III															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage									100	100	100	100	100	100	100
Cont. Count									23	31	8	19	51	43	54
	2011	2012	2013	2014	2015	2016	2017	2018							
Percentage	100	100	100	100	100	100	100								
Cont. Count	78	86	89	136	62	128	97								
	Total														
Cont. Count	905														

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Physical Waste Forms

Waste Generator

Waste Class, Container, Physical Waste Form

WHC_HLVP		End Of Lifecycle: 2028														
CH_LLW_I, H-2-42701 (4x4x8), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				100	100	100	100	100	100	100	100	100	100	100	100	100
Percentage		2026	2027	2028												
		100	100	100												
End of Lifecycle Reached																
Total WHC_HLVP, CH_LLW_I, H-2-42701 (4x4x8)		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				100	100	100	100	100	100	100	100	100	100	100	100	100
Percentage		2026	2027	2028												
		100	100	100												
CH_LLW_III, H-2-42701 (4x4x8), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				100	100	100	100	100	100	100	100	100	100	100	100	100
Percentage		2026	2027	2028												
		100	100	100												
End of Lifecycle Reached																
Total WHC_HLVP, CH_LLW_III, H-2-42701 (4x4x8)		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				100	100	100	100	100	100	100	100	100	100	100	100	100
Percentage		2026	2027	2028												
		100	100	100												
RH_LLW_III, MB-V (4x4x8), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				100	100	100	100	100	100	100	100	100	100	100	100	100
Percentage		2026	2027	2028												
		100	100	100												
End of Lifecycle Reached																

A-36

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Physical Waste Forms

Waste Generator

Waste Class, Container, Physical Waste Form

Total WHC_HLVP, RH_LLW_III, MB-V (4x4x8)

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				100	100	100	100	100	100	100	100	100	100	100	
Percentage	2026	2027	2028												
	100	100	100												

CH_LLWW_I, 208 L Drum (1A2), D INORG

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100
	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

Total WHC_HLVP, CH_LLWW_I, 208 L Drum (1A2)

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
			100	100	100	100	100	100	100	100	100	100	100	100	100
Percentage	2026	2027	2028												
	100	100	100												

CH_LLWW_III, 208 L Drum (1A2), D INORG

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100
	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

Total WHC_HLVP, CH_LLWW_III, 208 L Drum (1A2)

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				100		100		100		100		100		100	
Percentage	2026	2027	2028												
	100	100	100												

WHC-SD-WM-TL-777
Revision 0

SOLID WASTE FORECAST FY1997
Physical Waste Forms

Waste Generator**Waste Class, Container, Physical Waste Form**

CH_TRUM, 208 L Drum (1A2), D INORG

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100
Percentage	100	100	100	End of Lifecycle Reached											

Total WHC_HLVP, CH_TRUM, 208 L Drum (1A2)

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	100	100	100	100	100	100	100	2024	2025
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100
Percentage	100	100	100												

RH_TRUM, SWB, D INORG

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	100	100	100	100	100	100	100	2024	2025
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100
Percentage	100	100	100	End of Lifecycle Reached											

Total WHC_HLVP, RH_TRUM, SWB

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	100	100	100	100	100	100	100	2024	2025
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100
Percentage	100	100	100												

HAZ, 208 L Drum (1A2), D INORG

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	100	100	100	100	100	100	100	2024	2025
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100
Percentage	100	100	100	End of Lifecycle Reached											

A-32

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Physical Waste Forms

Waste Generator		Waste Class, Container, Physical Waste Form															
Total WHC_HLVP_HAZ_208 L Drum (TA2)		1997		1998		1999		2000		2001		2002		2003		2004	
Held		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2010
Percentage		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Percentage		2026	2027	2028													
Percentage		100	100	100													

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Physical Waste Forms

Page: 5

Waste Generator

Waste Class, Container, Physical Waste Form

WHC_LLVP		End Of Lifecycle: 2021														
CH_LLW_I, H-2-42701 (4x4x8), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage								100	100	100	100	100	100	100	100	100
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																
Total WHC_LLVP, CH_LLW_I, H-2-42701 (4x4x8)		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage								100	100	100	100	100	100	100	100	100
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage		100	100	100	100	100	100	100	100	100	100	100				
CH_LLW_III, H-2-42701 (4x4x8), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage								100	100	100	100	100	100	100	100	100
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																
Total WHC_LLVP, CH_LLW_III, H-2-42701 (4x4x8)		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage								100	100	100	100	100	100	100	100	100
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage		100	100	100	100	100	100	100	100	100	100	100				
RH_LLW_III, MB-V (4x4x8), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage								100	100	100	100	100	100	100	100	100
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																
Total WHC_LLVP, RH_LLW_III, MB-V (4x4x8)		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage								100	100	100	100	100	100	100	100	100
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage		100	100	100	100	100	100	100	100	100	100	100				

WHC-SD-WM-TL-777
Revision 0

A-34

Physical Waste Forms

Waste Generator

Waste Class, Container, Physical Waste Form

CH_LLMW_I, 208 L Drum (1A2), D INORG

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100			

Total WHC_LLVP, CH_LLMW_I, 208 L Drum (1A2)

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100			

CH_LLMW_III, 208 L Drum (1A2), D INORG

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100			

Total WHC_LLVP, CH_LLMW_III, 208 L Drum (1A2)

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100			

HAZ, 208 L Drum (1A2), D INORG

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100			

Total WHC_LLVP, HAZ, 208 L Drum (1A2)

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021			
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100			

WHC-SD-WM-TI-777
Revision 0

A-36

Physical Waste Forms

Waste Generator

Waste Class, Container, Physical Waste Form

RH_LLMW_III, LEC-13, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	100	
Percentage	100	100	100	100												
End of Lifecycle Reached																
Total WHC_SST_LLE, RH_LLMW_III, LEC-13																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	100	
Percentage	100	100	100	100												
End of Lifecycle Reached																
RH_LLMW_III, LEC-14, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	100	
Percentage	100	100	100	100												
End of Lifecycle Reached																
Total WHC_SST_LLE, RH_LLMW_III, LEC-14																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	100	
Percentage	100	100	100	100												
End of Lifecycle Reached																
RH_LLMW_III, LEC-15, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	100	
Percentage	100	100	100	100	100	100	100									
End of Lifecycle Reached																
Total WHC_SST_LLE, RH_LLMW_III, LEC-15																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	100	
Percentage	100	100	100	100	100	100	100									

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Physical Waste Forms

Page: 9

Waste Generator

Waste Class, Container, Physical Waste Form																
RH_LLMW_III, LEC-16, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100									
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
End of Lifecycle Reached																
Total WHC_SST_LLE, RH_LLMW_III, LEC-16																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100									
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
End of Lifecycle Reached																
RH_LLMW_III, LEC-18, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage														100		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
End of Lifecycle Reached																
Total WHC_SST_LLE, RH_LLMW_III, LEC-18																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage														100		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
End of Lifecycle Reached																
CH_TRUM, LEC-16, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100								
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
End of Lifecycle Reached																
Total WHC_SST_LLE, CH_TRUM, LEC-16																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100								
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		

WHC-SD-WM-TI-777
Revision 0

A-38

SOLID WASTE FORECAST FY1997
Physical Waste Forms

Waste Generator

Waste Class, Container, Physical Waste Form																
Total	RH_TRUM, LEC-16, D METAL-CONT															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
	Percentage					100	100	100								
	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
	End of Lifecycle Reached															
Total	WHC_SST_LLE, RH_TRUM, LEC-16															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
	Percentage					100	100	100								
	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
	Percentage															

WHC-SD-WM-TI-777
Revision 0

Waste Class, Container, Physical Waste Form

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Physical Waste Forms

Waste Generator

Waste Class, Container, Physical Waste Form

RH_LLMW_I, 208 L Drum (1A1), D INORG																
Held		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage									100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018								
End of Lifecycle Reached		100	100	100	100	100	100	100								
Total WHC_SST_RET, RH_LLMW_I, 208 L Drum (1A1)																
Held		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage									100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018								
End of Lifecycle Reached		100	100	100	100	100	100	100								
RH_LLMW_III, 208 L Drum (lead-lined), D INORG																
Held		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage									100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018								
End of Lifecycle Reached		100	100	100	100	100	100	100								
Total WHC_SST_RET, RH_LLMW_III, 208 L Drum (lead-lined)																
Held		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage									100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018								
End of Lifecycle Reached		100	100	100	100	100	100	100								

[illegible]

CH_TRUM, 208 L Drum (1A2), D INORG, WT-WP-WSC2																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage	2026	2027	2028													
Percentage	100	100	100													
A-4	End of Lifecycle Reached															

A-42

SOLID WASTE FORECAST FY1997
Hazardous Constituents

Waste Generator

Waste Class, Container, Physical Waste Form, Hazardous Constituent																
Total	WHC_HLVP, CH_TRUM, 208 L Drum (1A2), D INORG															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100	
Percentage	100	100	100													
RH_TRUM, SWB, D INORG, WT-WP-WSC2																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100	
Percentage	100	100	100													
End of Lifecycle Reached																
Total	WHC_HLVP, RH_TRUM, SWB, D INORG															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100	
Percentage	100	100	100													
HAZ, 208 L Drum (1A2), D INORG, WT-WP-WSC2																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100	
Percentage	100	100	100													
End of Lifecycle Reached																
Total	WHC_HLVP, HAZ, 208 L Drum (1A2), D INORG															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100	
Percentage	100	100	100													

A-43

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Hazardous Constituents

Waste Generator

Waste Class, Container, Physical Waste Form, Hazardous Constituent

Waste Class, Container, Physical Waste Form, Hazardous Constituent		End Of Lifecycle: 2021														
WHC_LLVP, CH_LLMW_I, 208 L Drum (1A2), D INORG, WT-WP-WSC2		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																
Total WHC_LLVP, CH_LLMW_I, 208 L Drum (1A2), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	100	100	100	100
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																
CH_LLMW_III, 208 L Drum (1A2), D INORG, WT-WP-WSC2		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	100	100	100	100
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																
Total WHC_LLVP, CH_LLMW_III, 208 L Drum (1A2), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	100	100	100	100
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																
HAZ, 208 L Drum (1A2), D INORG, WT-WP-WSC2		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	100	100	100	100
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																
Total WHC_LLVP, HAZ, 208 L Drum (1A2), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	100	100	100	100
Percentage		100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached																

A-44

WHC-SD-WM-TI-777
Revision 0

Waste Generator

Waste Class, Container, Physical Waste Form, Hazardous Constituent

Waste Class, Container, Physical Waste Form, Hazardous Constituent		End Of Lifecycle: 2024															
RH_LLMW_III, LEC-10, D METAL-CONT, WT-WP-WSC2		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
		Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
End of Lifecycle Reached		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Total WHC_SST_LLE, RH_LLMW_III, LEC-10, D METAL-CONT																	
		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
		Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
End of Lifecycle Reached		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
RH_LLMW_III, LEC-11, D METAL-CONT, WT-WP-WSC2																	
		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
		Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
End of Lifecycle Reached		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Total WHC_SST_LLE, RH_LLMW_III, LEC-11, D METAL-CONT																	
		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
		Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
End of Lifecycle Reached		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
RH_LLMW_III, LEC-12, D METAL-CONT, WT-WP-WSC2																	
		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
		Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
End of Lifecycle Reached		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Total WHC_SST_LLE, RH_LLMW_III, LEC-12, D METAL-CONT																	
		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
		Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
End of Lifecycle Reached		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	

WHC-SD-WM-TL-777
Revision 0

A45

SOLID WASTE FORECAST FY1997
Hazardous Constituents

Waste Generator

Waste Class, Container, Physical Waste Form, Hazardous Constituent

RH_LLMW_III, LEC-13, D METAL-CONT, WT-WP-WSC2																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100	100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Percentage	100	100	100	100												
End of Lifecycle Reached																
Total WHC_SST_LLE, RH_LLMW_III, LEC-13, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100	100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Percentage	100	100	100	100												
RH_LLMW_III, LEC-14, D METAL-CONT, WT-WP-WSC2																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100	100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Percentage	100	100	100	100												
End of Lifecycle Reached																
Total WHC_SST_LLE, RH_LLMW_III, LEC-14, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100	100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Percentage	100	100	100	100												
RH_LLMW_III, LEC-15, D METAL-CONT, WT-WP-WSC2																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100	100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Percentage	100	100	100	100	100	100	100									
End of Lifecycle Reached																
Total WHC_SST_LLE, RH_LLMW_III, LEC-15, D METAL-CONT																
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage						100	100	100	100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
Percentage	100	100	100	100	100	100	100									

WHC-SD-WM-TI-777
Revision 0

A-46

Waste Generator

Waste Class, Container, Physical Waste Form, Hazardous Constituent

RH_LLMW_III, LEC-16, D METAL-CONT, WT-WP-WSC2															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100								
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
Total WHC_SST_LLE, RH_LLMW_III, LEC-16, D METAL-CONT															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100								
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_LLMW_III, LEC-18, D METAL-CONT, WT-WP-WSC2															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage														100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
Total WHC_SST_LLE, RH_LLMW_III, LEC-18, D METAL-CONT															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage														100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
CH_TRUM, LEC-16, D METAL-CONT, WT-WP-WSC2															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100							
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
Total WHC_SST_LLE, CH_TRUM, LEC-16, D METAL-CONT															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100							
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	

WHC-SD-WM-TI-777
Revision 0

A-47

Waste Generator

Waste Class, Container, Physical Waste Form, Hazardous Constituent

RH_TRUM, LEC-16, D METAL-CONT, WT-WP-WSC2

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100							
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															

Total WHC_SST_LLE, RH_TRUM, LEC-16, D METAL-CONT

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100							
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	

WHC-SD-WM-IT-777
Revision 0

A-48

Waste Generator

Waste Class, Container, Physical Waste Form, Hazardous Constituent

Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent	Waste Class, Container, Physical Waste Form, Hazardous Constituent
WHC_SST_RET	End Of Lifecycle: 2018																
CH_LLMW_I, 208 L Drum (1A1), D INORG, WT-WP-WSC2	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100		
Percentage	100	100	100	100	100	100	100	100									
End of Lifecycle Reached																	
Total WHC_SST_RET, CH_LLMW_I, 208 L Drum (1A1), D INORG	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100		
Percentage	100	100	100	100	100	100	100	100									
CH_LLMW_III, 208 L Drum (1A1), D INORG, WT-WP-WSC2	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100		
Percentage	100	100	100	100	100	100	100	100									
End of Lifecycle Reached																	
Total WHC_SST_RET, CH_LLMW_III, 208 L Drum (1A1), D INORG	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100		
Percentage	100	100	100	100	100	100	100	100									
RH_LLMW_I, 208 L Drum (1A1), D INORG, WT-WP-WSC2	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100		
Percentage	100	100	100	100	100	100	100	100									
End of Lifecycle Reached																	
Total WHC_SST_RET, RH_LLMW_I, 208 L Drum (1A1), D INORG	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100		
Percentage	100	100	100	100	100	100	100	100									

WHC-SD-WM-TL-777
Revision 0

A-49

Radionuclide Concentrations
(in curies per cubic meter)

Waste Generator**Waste Class, Container, Physical Waste Form, Radionuclide**

WHC HLVP		End Of Lifecycle: 2028														
CH_LLW_I, H-2-42701 (4x4x8), D INORG, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration								.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration		2026	2027	2028												
		.001	.001	.001												
End of Lifecycle Reached																
CH_LLW_I, H-2-42701 (4x4x8), D INORG, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration								.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration		2026	2027	2028												
		.001	.001	.001												
End of Lifecycle Reached																
CH_LLW_III, H-2-42701 (4x4x8), D INORG, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration								10	10	10	10	10	10	10	10	10
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				10	10	10	10	10	10	10	10	10	10	10	10	10
Concentration		2026	2027	2028												
		10	10	10												
End of Lifecycle Reached																
CH_LLW_III, H-2-42701 (4x4x8), D INORG, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration								10	10	10	10	10	10	10	10	10
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				10	10	10	10	10	10	10	10	10	10	10	10	10
Concentration		2026	2027	2028												
		10	10	10												
End of Lifecycle Reached																
RH_LLW_III, MB-V (4x4x8), D INORG, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration								100	100	100	100	100	100	100	100	100
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
				100	100	100	100	100	100	100	100	100	100	100	100	100
Concentration		2026	2027	2028												
		100	100	100												
End of Lifecycle Reached																
A-50																

WHC-SD-WM-TL-777
Revision 0

Date: 6/19/96

**SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
(in curies per cubic meter)**

Page: 2

Waste Generator

Waste Class, Container, Physical Waste Form, Radionuclide

RH_LLW_III, MB-V (4x4x8), D INORG, STRONTIUM90

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	2026	2027	2028												
Concentration	100	100	100												
End of Lifecycle Reached															

CH_LLWV_I, 208 L Drum (1A2), D INORG, CESIUM137

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	2026	2027	2028												
Concentration	.001	.001	.001												
End of Lifecycle Reached															

CH_LLWV_I, 208 L Drum (1A2), D INORG, STRONTIUM90

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	2026	2027	2028												
Concentration	.001	.001	.001												
End of Lifecycle Reached															

CH_LLWV_III, 208 L Drum (1A2), D INORG, CESIUM137

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10	10	10
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	2026	2027	2028												
Concentration	10	10	10												
End of Lifecycle Reached															

CH_LLWV_III, 208 L Drum (1A2), D INORG, STRONTIUM90

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10	10	10
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	2026	2027	2028												
Concentration	10	10	10												
End of Lifecycle Reached															

A-51

WHC-SD-WM-TL-777
Revision 0

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (in curies per cubic meter)

Waste Generator

Waste Class, Container, Physical Waste Form, Radionuclide															
CH_TRUM, 208 L Drum (1A2), D INORG, PLUTONIUM															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							1	1	1	1	1	1	1		
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration			1	1	1	1	1	1	1	1	1	1	1	1	1
Concentration	2026	2027	2028												
Concentration		1	1	1											
End of Lifecycle Reached															
CH_TRUM, 208 L Drum (1A2), D INORG, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10		
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration			10	10	10	10	10	10	10	10	10	10	10	10	10
Concentration	2026	2027	2028												
Concentration		10	10	10											
End of Lifecycle Reached															
CH_TRUM, 208 L Drum (1A2), D INORG, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10		
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration			10	10	10	10	10	10	10	10	10	10	10	10	10
Concentration	2026	2027	2028												
Concentration		10	10	10											
End of Lifecycle Reached															
RH_TRUM, SWB, D INORG, PLUTONIUM															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							1	1	1	1	1	1	1		
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration			1	1	1	1	1	1	1	1	1	1	1	1	1
Concentration	2026	2027	2028												
Concentration		1	1	1											
End of Lifecycle Reached															
RH_TRUM, SWB, D INORG, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100		
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration			100	100	100	100	100	100	100	100	100	100	100	100	100
Concentration	2026	2027	2028												
Concentration		100	100	100											
End of Lifecycle Reached															

A-52

WHC-SD-WM-TI-777
 Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (in curies per cubic meter)

Page: 4

Waste Generator

Waste Class, Container, Physical Waste Form, Radionuclide

RH_TRUM, SWB, D INORG, STRONTIUM90

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028												
Concentration	100	100	100												
End of Lifecycle Reached															

WHC-SD-WM-TL-777
 Revision 0

A-53

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (in curies per cubic meter)

Page: 5

Waste Generator

Waste Class, Container, Physical Waste Form, Radionuclide															
WHC_LLVP	End Of Lifecycle:		2021												
CH_LLW_I, H-2-42701 (4x4x8), D INORG, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001				
End Of Lifecycle Reached															
CH_LLW_I, H-2-42701 (4x4x8), D INORG, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001				
End Of Lifecycle Reached															
CH_LLW_III, H-2-42701 (4x4x8), D INORG, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10	10	10
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	10	10	10	10	10	10	10	10	10	10	10				
End Of Lifecycle Reached															
CH_LLW_III, H-2-42701 (4x4x8), D INORG, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10	10	10
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	10	10	10	10	10	10	10	10	10	10	10				
End Of Lifecycle Reached															
RH_LLW_III, MB-V (4x4x8), D INORG, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	100	100	100	100	100	100	100	100	100	100	100				
End Of Lifecycle Reached															
RH_LLW_III, MB-V (4x4x8), D INORG, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	100	100	100	100	100	100	100	100	100	100	100				
End Of Lifecycle Reached															

A-54

WHC-SD-WM-TL-777
 Revision 0

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (in curies per cubic meter)

Waste Generator**Waste Class, Container, Physical Waste Form, Radionuclide**

CH_LLMW_I, 208 L Drum (1A2), D INORG, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001				
End of Lifecycle Reached															
CH_LLMW_I, 208 L Drum (1A2), D INORG, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001				
End of Lifecycle Reached															
CH_LLMW_III, 208 L Drum (1A2), D INORG, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10	10	10
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	10	10	10	10	10	10	10	10	10	10	10				
End of Lifecycle Reached															
CH_LLMW_III, 208 L Drum (1A2), D INORG, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10	10	10
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	10	10	10	10	10	10	10	10	10	10	10				
End of Lifecycle Reached															

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (in curies per cubic meter)

Page: 7

Waste Generator**Waste Class, Container, Physical Waste Form, Radionuclide**

WHC SST LLE		End Of Lifecycle: 2024														
RH_LLMW_III, LEC-10, D METAL-CONT, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100	100
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached		100	100	100	100											
RH_LLMW_III, LEC-10, D METAL-CONT, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100	100
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached		100	100	100	100											
RH_LLMW_III, LEC-11, D METAL-CONT, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100	100
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached		100	100	100	100											
RH_LLMW_III, LEC-11, D METAL-CONT, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100	100
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached		100	100	100	100											
RH_LLMW_III, LEC-12, D METAL-CONT, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100	100
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached		100	100	100	100	100	100	100								
RH_LLMW_III, LEC-12, D METAL-CONT, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100	100
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached		100	100	100	100	100	100	100								

A-56

WHC-SD-WM-TI-777
 Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
(In curies per cubic meter)

Page: 8

Waste Generator

Waste Class, Container, Physical Waste Form, Radionuclide															
RH_LLMW_III, LEC-13, D METAL-CONT, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											
RH_LLMW_III, LEC-13, D METAL-CONT, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											
RH_LLMW_III, LEC-14, D METAL-CONT, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											
RH_LLMW_III, LEC-14, D METAL-CONT, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											
RH_LLMW_III, LEC-15, D METAL-CONT, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100	100	100	100								
RH_LLMW_III, LEC-15, D METAL-CONT, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100	100	100	100								

WHC-SD-WM-TL-777
Revision 0

A-57

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (In curies per cubic meter)

Page: 9

Waste Generator

Waste Class, Container, Physical Waste Form, Radionuclide

RH_LLMW_III, LEC-16, D METAL-CONT, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100								
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_LLMW_III, LEC-16, D METAL-CONT, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100								
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_LLMW_III, LEC-18, D METAL-CONT, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration														100	
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_LLMW_III, LEC-18, D METAL-CONT, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration														100	
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
CH_TRUM, LEC-16, D METAL-CONT, PLUTONIUM															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						1	1	1							
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
CH_TRUM, LEC-16, D METAL-CONT, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						10	10	10							
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															

A-58

WHC-SD-WM-TL-777
 Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (in curies per cubic meter)

Page: 10

Waste Generator**Waste Class, Container, Physical Waste Form, Radionuclide**

CH_TRUM, LEC-16, D METAL-CONT, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						10	10	10							
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_TRUM, LEC-16, D METAL-CONT, PLUTONIUM															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						1	1	1							
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_TRUM, LEC-16, D METAL-CONT, CESIUM137															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100							
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_TRUM, LEC-16, D METAL-CONT, STRONTIUM90															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100							
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															

WHC-SD-WM-TI-777
 Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (in curies per cubic meter)

Page: 11

Waste Generator**Waste Class, Container, Physical Waste Form, Radionuclide**

Waste Class, Container, Physical Waste Form, Radionuclide		End Of Lifecycle: 2018														
CH_LLW_I, 208 L Drum (1A1), D INORG, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	.001	.001	.001	.001	.001	.001	.001
Concentration		.001	.001	.001	.001	.001	.001	.001								
End of Lifecycle Reached																
CH_LLW_I, 208 L Drum (1A1), D INORG, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	.001	.001	.001	.001	.001	.001	.001
Concentration		.001	.001	.001	.001	.001	.001	.001								
End of Lifecycle Reached																
CH_LLMW_I, 208 L Drum (1A1), D INORG, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	.001	.001	.001	.001	.001	.001	.001
Concentration		.001	.001	.001	.001	.001	.001	.001								
End of Lifecycle Reached																
CH_LLMW_I, 208 L Drum (1A1), D INORG, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	.001	.001	.001	.001	.001	.001	.001
Concentration		.001	.001	.001	.001	.001	.001	.001								
End of Lifecycle Reached																
CH_LLMW_III, 208 L Drum (1A1), D INORG, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	10	10	10	10	10	10	10
Concentration		10	10	10	10	10	10	10								
End of Lifecycle Reached																
CH_LLMW_III, 208 L Drum (1A1), D INORG, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	10	10	10	10	10	10	10
Concentration		10	10	10	10	10	10	10								
End of Lifecycle Reached																

09-A

WHC-SD-WM-TI-777
 Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Radionuclide Concentrations
 (In curies per cubic meter)

Page: 12

Waste Generator

Waste Class, Container, Physical Waste Form, Radionuclide

RH_LLMW_I, 208 L Drum (1A1), D INORG, CESIUM137

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100
Concentration	100	100	100	100	100	100	100							
End of Lifecycle Reached														

RH_LLMW_I, 208 L Drum (1A1), D INORG, STRONTIUM90

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100
Concentration	100	100	100	100	100	100	100							
End of Lifecycle Reached														

A-61

WHC-SD-WM-TL-777
 Revision 0

SOLID WASTE FORECAST FY1987
Questionnaire

Date: 6/20/86

Waste Generator	Question	Answer
WHC_HLVP	1: Please indicate which program is funding your activities (select only one):	EM-60 (Landlord) EM-40 (Environmental Restoration) EM-30 ... Analytical Services Liquid Waste PNNL RCRA Monitoring Solid Waste Spent Nuclear Fuels Transition Projects TWRS TWRS
WHC_HLVP	2: Please describe your current mission, and how the waste classes result from this mission. The TWRS mission is to retrieve and dispose of tank waste. The high level vitrification plant treats and vitrifies the high level waste for disposal. design exists for the planned facilities. As a result, the estimates in this forecast are preliminary.	
WHC_HLVP	3: Please describe generated waste classes and explain how they will be generated. The high level vitrification plant is a large processing facility. Wastes are generated by operations and maintenance activities. The plant operation will generate low level waste and low level mixed waste. The plant will also generate remote handled TRU mixed waste. All TRU waste is also expected to be mixed waste.	
WHC_HLVP	4: Please provide a description of your HELD waste i.e., waste forms. Are the volumes for HELD waste different from last year's forecast? (Yes/No). If Yes, Please explain. This facility does not exist. Earliest start date for high level vitrification is 2002.	
WHC_HLVP	5: Have your waste volumes changed from your previous forecast? (Yes/No). If 'Yes', please explain. Yes. The volumes have changed since the last forecast because the baseline is now "privatization" which consists of two phases. The first phase is a demonstration and the second phase is full scale. The waste volume during the demonstration is one fifth of the volume generated during the full scale operation. The full scale operation is expected to generate about the same amount of waste annually as the Purex plant generated annually during the 1980's.	
WHC_HLVP	6 a/b: (a) Have you excluded any waste generation from potential future projects that are not in the official baseline? (b) Do you foresee any facilities that are not currently your responsibility that will be in the future that are not forecasted? (c) Are these variations provided in your estimation of the Min and Max values? Please explain. a. No	

A-62
A-62
WHC_HLVP

Waste Generator	Question Answer
	<p>b. No</p> <p>c. N/A</p>
WHC_HLVP	<p>7: Will waste be separated into like waste forms prior to shipping?</p> <p>For example, 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.</p> <p>Waste will generally be packaged as generated. If the wastes are generated separately, the wastes will be packaged separately.</p>
WHC_HLVP	<p>8 a/b: (a) Will you generate hazardous or mixed waste? (Yes/No)</p> <p>If 'Yes', (b) Will you place several hazardous constituents in one container or will you segregate the constituents prior to shipping?</p> <p>That is, 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?</p> <p>a. Yes</p> <p>b. Wastes contaminated by tank waste may contain hazardous constituents. Segregation will be used to maximum extent possible.</p>
WHC_HLVP	<p>9: Please describe your quarterly expected shipping schedule for each applicable waste class during FY 1997.</p> <p>For example: 40% of waste shipped during the first quarter, 20% shipped in the second quarter, 40% shipped in the fourth quarter. N/A. This facility does not start until 2002 or later.</p>
WHC_HLVP	<p>10: Discuss the assumptions that were used to prepare this forecast.</p> <p>The demonstration plant begins in 2002 and operates through 2008. The full scale plant begins in 2013 and runs through 2028. All of the tank waste is retrieved and processed. The schedule is based on the TWRS Disposal Program OWVP for March 1, 1996, updated May 14, 1996.</p>
WHC_HLVP	<p>11: Please list any Tri-Party Agreement (TPA) milestones that affect your facility/program.</p> <p>For each TPA milestone please indicate your status in achieving the milestone and whether these milestones are reflected in your forecast. The related milestones are discussed in a memorandum from John Wagoner to the Department of Ecology, "Completion of Negotiations of Hanfor Federal Facility Agreement and Consent Order Milestones M-50-00, M-51-00, and M-60-00," dated December 21, 1995.</p>
WHC_HLVP	<p>12: What assumptions were used in estimating the minimum and maximum waste percentages identified in Table 1?</p> <p>For example, the minimum waste % is based upon the majority of the waste being sent to a commercial disposal site.</p> <p>The maximum waste % is based upon additional projects being initiated that will generate waste not accounted for in the best estimate volume. The waste numbers are very preliminary and were generally given a range of 50% to 200%, primarily due to the uncertainty of dealing with preliminary facility and processing concepts.</p>

**SOLID WASTE FORECAST FY1997
Questionnaire**

Waste Generator	Question Answer
VHC_HLVP	<p>13: Please provide a description of how the radionuclides were determined?</p> <p>For example, historical data or sample analysis data were used.</p> <p>The radionuclide estimates are preliminary based on expected feed materials and processes. Reference WHC-SD-WM-TI-694, "Tank Waste Remediation System Optimized Processing Strategy." Cesium-137 and Strontium-90 generally dominate all other radionuclides in the tank waste.</p>
VHC_HLVP	<p>14 a/b/c: Indicate confidence levels for the following waste characterization data:</p> <p>For example, the physical waste forms are based upon historical characterization information.</p> <p>(a) Physical Waste Forms</p> <p>High</p> <p>Low</p> <p>Medium</p> <p>Explain:</p> <p>(b) Hazardous Constituents</p> <p>High</p> <p>Low</p> <p>Medium</p> <p>Explain:</p> <p>(c) Radiation Type</p> <p>High</p> <p>Low</p> <p>Medium</p> <p>Explain:</p> <p>a. Medium. The physical waste forms are based on waste historically generated by Hanford processing facilities and the knowledge of the characteristics of tank waste.</p> <p>b. Medium</p> <p>c. Medium</p>

A-64

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Questionnaire

Waste Generator	Question	Answer
VHC_HLVP	15 a/b/c: (a) What percentage of the waste forecasted is existing waste and what percentage is future generated waste? (b) Of your existing waste, how confident are you in the current shipping schedule? (High, Low, Medium) Explain: (c) Of your future generated waste, how confident are you in the volumes and shipping schedule? (High, Low, Medium) Explain:	a. All waste is to be generated in the future. b. N/A c. Low. Schedules are subject to change due to contracting uncertainties at Hanford and with the privatized contracts.
WHC_HLVP	16 a/b/c: Indicate whether your forecast includes: operational, terminal clean-out & stabilization (TC&S) ,and/or D&D wastes. Does this forecast include:	(a) Operational waste? (b) Terminal clean-out & stabilization waste (TC&S)? (c) Decontamination & Decommissioning waste (D&D)? a. Yes b. No c. No
WHC_HLVP	17: If you have not included TC&S or D&D waste, will this waste potentially be managed at Hanford? (Yes/No) If 'Yes', please provide an estimate of the expected volumes. Terminal cleanout and D&D will be after 2008 for the demonstration facility and after 2028 for the full scale facility. How this waste is handled is unknown.	
WHC_HLVP	18: When will your facility transition into a terminal clean-out and stabilization mission? This is unknown.	
WHC_HLVP	19: When is your facility expected to be added to the Surplus Facility List? This is unknown.	

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Questionnaire

Vaste Generator	Question	Answer
WHC_HLVP	20: Will waste be generated between terminal clean-out/stabilization and D&D? (Yes/No)	If 'Yes', please provide a waste description and identify the organization and department that has responsibility for this close-out waste? This is unknown.
WHC_HLVP	21: What document titles and numbers can be provided that give insight into solid waste generation at your facility?	Please provide a list of document titles and document numbers that provide insight into solid waste generated during operations, terminal clean-out and stabilization activities and or D&D activities. Reference WHC-SD-WM-TI-694, "Tank Waste Remediation System Optimized Processing Strategy."
WHC_HLVP	22: Does your facility have an approved Site Treatment Plan (STP) or a Proposed Site Treatment Plan (PSTP) in progress?	NOTE - OFFSITE GENERATORS ONLY, re: Richland Operations Office Letter (RL) #95-SWT-174, Guidance for Acceptance of Offsite Mixed Waste. Not applicable
WHC_LLVP	1: Please indicate which program is funding your activities (select only one):	EM-60 (Landlord) EM-40 (Environmental Restoration) EM-30 ... Analytical Services Liquid Waste PNNL RCRA Monitoring Solid Waste Spent Nuclear Fuels Transition Projects TWRS
WHC_LLVP	2: Please describe your current mission, and how the waste classes result from this mission.	The TWRS mission is to retrieve and dispose of tank waste. The low level vitrification plant treats and vitrifies the low level waste for disposal. No design exists for the planned facilities. As a result, the estimates in this forecast are preliminary.
WHC_LLVP	3: Please describe generated waste classes and explain how they will be generated.	The low level vitrification plant is a large processing facility even larger than the high level vitrification plant. Wastes are generated by operations and maintenance activities. The plant operation will generate low level waste and and low level mixed waste. The plant will also generate remote handled low level waste. The plant is not expected to generate TRU waste.
WHC_LLVP	4: Please provide a description of your HELD waste i.e., waste forms.	Are the volumes for HELD waste different from last year's forecast? (Yes/No). If Yes, Please explain. This facility does not exist. Earliest start date for low level vitrification is 2002.

WHC-SD-WM-TI-777
Revision 0

Waste Generator	Question Answer
WHC_LLVP	<p>5: Have your waste volumes changed from your previous forecast? (Yes/No).</p> <p>If 'Yes', please explain.</p> <p>Yes. The volumes have changed since the last forecast because the baseline is now "privatization" which consists of two phases. The first phase is a demonstration and the second phase is full scale. The waste volume during the demonstration is one fifth of the volume generated during the full scale operation. The full scale operation is expected to generate about twice the amount of waste annually as the Purex plant generated annually during the 1980's. The previous forecast included a pretreatment facility. Pretreatment is no longer a separate facility. Required pretreatment is included in the vitrification facility.</p>
WHC_LLVP	<p>6 a/b: (a) Have you excluded any waste generation from potential future projects that are not in the official baseline?</p> <p>(b) Do you foresee any facilities that are not currently your responsibility that will be in the future that are not forecasted?</p> <p>(c) Are these variations provided in your estimation of the Min and Max values?</p> <p>Please explain.</p> <p>a. No</p> <p>b. No</p> <p>c. N/A</p>
WHC_LLVP	<p>7: Will waste be separated into like waste forms prior to shipping?</p> <p>For example, if you generate contaminated soils, inorganic particulates and metal debris, will you ship these waste in separate containers, or will the waste b combined and placed into one container?</p> <p>Please explain for each waste class.</p> <p>Waste will generally be packaged as generated. If the wastes are generated separately, the wastes will be packaged separately.</p>
WHC_LLVP	<p>8 a/b: (a) Will you generate hazardous or mixed waste? (Yes/No)</p> <p>If 'Yes', (b) Will you place several hazardous constituents in one container or will you segregate the constituents prior to shipping?</p> <p>That is, 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?</p> <p>a. Yes</p> <p>b. Wastes contaminated by tank waste may contain hazardous constituents. Segregation will be used to maximum extent possible.</p>
WHC_LLVP	<p>9: Please describe your quarterly expected shipping schedule for each applicable waste class during FY 1997.</p> <p>For example: 40% of waste shipped during the first quarter, 20% shipped in the second quarter, 40% shipped in the fourth quarter.</p> <p>N/A. No waste forecasted for FY 1997.</p>

Waste Generator	Question	Answer
WHC_LLVP	10: Discuss the assumptions that were used to prepare this forecast.	The demonstration plant begins in 2002 and operates through 2011. The full scale plant begins in 2011 and runs through 2021. All of the tank waste is retrieved and processed. The schedule is based on the TWRS Disposal Program OWVP for March 1, 1996, updated May 14, 1996.
WHC_LLVP	11: Please list any Tri-Party Agreement (TPA) milestones that affect your facility/program.	For each TPA milestone please indicate your status in achieving the milestone and whether these milestones are reflected in your forecast. <i>The related milestones are discussed in a memorandum from John Wagoner to the Department of Ecology, "Completion of Negotiations of Hanfor Federal Facility Agreement and Consent Order Milestones M-50-00, M-51-00, and M-60-00," dated December 21, 1995.</i>
WHC_LLVP	12: What assumptions were used in estimating the minimum and maximum waste percentages identified in Table 1?	For example, the minimum waste % is based upon the majority of the waste being sent to a commercial disposal site. The maximum waste % is based upon additional projects being initiated that will generate waste not accounted for in the best estimate volume. The waste numbers are very preliminary and were generally given a range of 50% to 200%, primarily due to the uncertainty of dealing with preliminary facility and processing concepts.
WHC_LLVP	13: Please provide a description of how the radionuclides were determined?	For example, historical data or sample analysis data were used. <i>The radionuclide estimates are preliminary based on expected feed materials and processes. Reference WHC-SD-WM-TI-694, "Tank Waste Remediation System Optimized Processing Strategy." The dominate radionuclides in the tanks are cesium-137 and strontium-90.</i>
WHC_LLVP	14 a/b/c: Indicate confidence levels for the following waste characterization data:	For example, the physical waste forms are based upon historical characterization information. (a) Physical Waste Forms High Low Medium Explain: (b) Hazardous Constituents High Low Medium

Date: 6/20/96

SOLID WASTE FORECAST FY1997
Questionnaire

Page: 8

Waste Generator

Question
Answer

Explain:

(c) Radiation Type

High

Low

Medium

Explain:

- a. Medium. The physical waste forms are based on waste historically generated by Hanford processing facilities and the knowledge of the characteristics of tank waste.
- b. Medium
- c. Medium

WHC_LLVP

15 a/b/c: (a) What percentage of the waste forecasted is existing waste and what percentage is future generated waste?

(b) Of your existing waste, how confident are you in the current shipping schedule? (High, Low, Medium)

Explain:

(c) Of your future generated waste, how confident are you in the volumes and shipping schedule? (High, Low, Medium)

Explain:

- a. All waste is to be generated in the future.
- b. N/A
- c. Low, schedules are subject to change due to contracting uncertainties at Hanford and with the privatized contracts.

WHC_LLVP

16 a/b/c: Indicate whether your forecast includes: operational, terminal clean-out & stabilization (TC&S) ,and/or D&D wastes.

Does this forecast include:

(a) Operational waste?

(b) Terminal clean-out & stabilization waste (TC&S)?

(c) Decontamination & Decommissioning waste (D&D)?

- a. Yes
- b. No

A-69

WHC-SD-WM-TL-777
Revision 0

Date: 6/20/96

**SOLID WASTE FORECAST FY1997
Questionnaire**

Page: 9

Waste Generator	Question
	Answer
	c. No
WHC_LLVP	17: If you have not included TC&S or D&D waste, will this waste potentially be managed at Hanford? (Yes/No) If 'Yes', please provide an estimate of the expected volumes. Terminal cleanout and D&D will be after 2011 for the demonstration facility and after 2021 for the full scale facility. How this waste is handled is unknown.
WHC_LLVP	18: When will your facility transition into a terminal clean-out and stabilization mission? This is unknown.
WHC_LLVP	19: When is your facility expected to be added to the Surplus Facility List? This is unknown.
WHC_LLVP	20: Will waste be generated between terminal clean-out/stabilization and D&D? (Yes/No) If 'Yes', please provide a waste description and identify the organization and department that has responsibility for this close-out waste? This is unknown.
WHC_LLVP	21: What document titles and numbers can be provided that give insight into solid waste generation at your facility? Please provide a list of document titles and document numbers that provide insight into solid waste generated during operations, terminal clean-out and stabilization activities and or D&D activities. Reference WHC-SD-WM-TI-694, "Tank Waste Remediation System Optimized Processing Strategy."
WHC_LLVP	22: Does your facility have an approved Site Treatment Plan (STP) or a Proposed Site Treatment Plan (PSTP) in progress? NOTE - OFFSITE GENERATORS ONLY, re: Richland Operations Office Letter (RL) #95-SWT-174, Guidance for Acceptance of Offsite Mixed Waste. Not applicable
WHC_SST_LLE	1: Please indicate which program is funding your activities (select only one): EM-60 (Landlord) EM-40 (Environmental Restoration) EM-30 ... Analytical Services Liquid Waste PNNL RCRA Monitoring Solid Waste Spent Nuclear Fuels Transition Projects TWRS TWRS

A-70

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Questionnaire

Waste Generator	Question	Answer
WHC_SST_LLE	2: Please describe your current mission, and how the waste classes result from this mission.	The single-shell tanks (SST) contain radioactive waste generated by Hanford operations starting in 1944. These waste will be retrieved for disposal from 2004 through 2018. Retrieval will require some long-length equipment (LLE) to be removed from the tanks. The equipment used for retrieval will also be LLE and some will require disposal.
WHC_SST_LLE	3: Please describe generated waste classes and explain how they will be generated.	The waste consists of low level mixed waste and TRU mixed waste. The waste is generated by the removal of long-length equipment from single-shell tanks.
WHC_SST_LLE	4: Please provide a description of your HELD waste i.e., waste forms.	Are the volumes for HELD waste different from last year's forecast? (Yes/No). If Yes, Please explain. Some of the existing equipment in tanks will require removal.
WHC_SST_LLE	5: Have your waste volumes changed from your previous forecast? (Yes/No).	If 'Yes', please explain. The waste volumes for LLE have changed based on a new estimate of the amount of existing equipment and the amount of equipment used for retrieval. A new analysis was done for the amount of waste which will be TRU. In addition, an agreement was reached with DOE for the eventual disposal of the LLE. All equipment removed from the tanks after 2003 will be handled according to the new agreement.
WHC_SST_LLE	6 a/b: (a) Have you excluded any waste generation from potential future projects that are not in the official baseline? (b) Do you foresee any facilities that are not currently your responsibility that will be in the future that are not forecasted? (c) Are these variations provided in your estimation of the Min and Max values? Please explain.	a. No b. No c. N/A
WHC_SST_LLE	7: Will waste be separated into like waste forms prior to shipping?	For example, 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. Each piece of equipment generally will be packaged individually. Each package will be handled according to its waste class.
WHC_SST_LLE	8 a/b: (a) Will you generate hazardous or mixed waste? (Yes/No)	If 'Yes', (b) Will you place several hazardous constituents in one container or will you segregate the constituents prior to shipping?

Waste Generator	Question	Answer
	That is, 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?	<p>a. All of the waste removed from the tanks is considered mixed waste. Each piece of equipment is expected to be packaged individually. The contamination will be attached to the equipment.</p> <p>b. Each piece of equipment is expected to be packaged individually.</p>
WHC_SST_LLE	9: Please describe your quarterly expected shipping schedule for each applicable waste class during FY 1997.	<p>For example: 40% of waste shipped during the first quarter, 20% shipped in the second quarter, 40% shipped in the fourth quarter. No waste is expected in 1997.</p>
WHC_SST_LLE	10: Discuss the assumptions that were used to prepare this forecast.	<p>The forecast is based on the worst case removal of equipment from SST. The removal of existing equipment occurs about three years before retrieval is scheduled to begin based on the latest retrieval sequence (Penwell, personal communication).</p> <p>Retrieval is expected to use an average of two pumps and two sluicers per tank. One half of this equipment is included in the forecast. Disposal of this equipment occurs during the retrieval years. The other equipment is disposed in the same manner as the tanks and is not included in the forecast.</p>
WHC_SST_LLE	11: Please list any Tri-Party Agreement (TPA) milestones that affect your facility/program.	<p>For each TPA milestone please indicate your status in achieving the milestone and whether these milestones are reflected in your forecast. The related milestones are discussed in a memorandum from John Wagoner to the Department of Ecology, "Completion of Negotiations of Hanford Federal Facility Agreement and Consent Order Milestones M-50-00, M-51-00, and M-60-00," dated December 21, 1995.</p>
WHC_SST_LLE	12: What assumptions were used in estimating the minimum and maximum waste percentages identified in Table 1?	<p>For example, the minimum waste % is based upon the majority of the waste being sent to a commercial disposal site.</p> <p>The maximum waste % is based upon additional projects being initiated that will generate waste not accounted for in the best estimate volume. The waste numbers are very preliminary and were generally given a range of 50% to 200%, primarily due to the uncertainty of dealing with preliminary facility and processing concepts.</p>
WHC_SST_LLE	13: Please provide a description of how the radionuclides were determined?	<p>For example, historical data or sample analysis data were used. The radionuclide estimates are preliminary based on expected feed materials and processes. Reference WHC-SD-WM-TI-694, "Tank Waste Remediation System Optimized Processing Strategy."</p>
WHC_SST_LLE	14 a/b/c: Indicate confidence levels for the following waste characterization data:	<p>For example, the physical waste forms are based upon historical characterization information.</p> <p>(a) Physical Waste Forms</p>

A-72
A-72
A-72

Waste Generator

Question
Answer

High

Low

Medium

Explain:

(b) Hazardous Constituents

High

Low

Medium

Explain:

(c) Radiation Type

High

Low

Medium

Explain:

- a. Medium. Equipment and tank waste characteristics are generally known within a factor of two and ten, respectively.
- b. Medium
- c. Medium

WHC_SST_LLE

15 a/b/c: (a) What percentage of the waste forecasted is existing waste and what percentage is future generated waste?

(b) Of your existing waste, how confident are you in the current shipping schedule? (High, Low, Medium)

Explain:

(c) Of your future generated waste, how confident are you in the volumes and shipping schedule? (High, Low, Medium)

Explain:

- a. Most of the long-length equipment is existing equipment in the tanks. However, a significant percentage will be future equipment used for tank waste retrieval.
- b. Medium. The shipping schedule depends on continuation of existing program plans and on budget allocations.

Waste Generator	Question	Answer
	c. Medium. The shipping volumes are accurate, somewhat conservatively high. The shipping schedule will depend on continuation of the existing program plans and budgets.	
WHC_SST_LLE	16 a/b/c: Indicate whether your forecast includes: operational, terminal clean-out & stabilization (TC&S) , and/or D&D wastes. Does this forecast include: (a) Operational waste? (b) Terminal clean-out & stabilization waste (TC&S)? (c) Decontamination & Decommissioning waste (D&D)? a. Yes. Only operational wastes are included. Tank closure and D&D are not included. b. No. c. No.	
WHC_SST_LLE	17: If you have not included TC&S or D&D waste, will this waste potentially be managed at Hanford? (Yes/No) If 'Yes', please provide an estimate of the expected volumes. Unknown.	
WHC_SST_LLE	18: When will your facility transition into a terminal clean-out and stabilization mission? Unknown.	
WHC_SST_LLE	19: When is your facility expected to be added to the Surplus Facility List? Unknown.	
WHC_SST_LLE	20: Will waste be generated between terminal clean-out/stabilization and D&D? (Yes/No) If 'Yes', please provide a waste description and identify the organization and department that has responsibility for this close-out waste? Unknown.	
WHC_SST_LLE	21: What document titles and numbers can be provided that give insight into solid waste generation at your facility? Please provide a list of document titles and document numbers that provide insight into solid waste generated during operations, terminal clean-out and stabilization activities and or D&D activities. Reference WHC-SD-WM-TI-694, "Tank Waste Remediation System Optimized Processing Strategy." Letter, Jackson Kinzer, DOE-Richland to Westinghouse Hanford Company, dated April 11, 1996, "Tank Waste Remediation System (TWRS) Remote Handled Transuranic Waste Volume Forecast."	

Questionnaire

Waste Generator	Question	Answer
WHC_SST_LE	22: Does your facility have an approved Site Treatment Plan (STP) or a Proposed Site Treatment Plan (PSTP) in progress?	
WHC_SST_RET	1: Please indicate which program is funding your activities (select only one):	<p>EM-60 (Landfill) EM-40 (Environmental Restoration) EM-30 ... Analytical Services Liquid Waste PNNL RCRA Monitoring Solid Waste Spent Nuclear Fuels Transition Projects TWRS TWRS</p> <p>NOTE - OFFSITE GENERATORS ONLY, re: Richland Operations Office Letter (RL) #95-SWT-174, Guidance for Acceptance of Offsite Mixed Waste. Not applicable</p>

2: Please describe your current mission, and how the waste classes result from this mission.
The single-shell tanks (SST) contain radioactive waste generated by Hanford operations starting in 1944. These waste will be retrieved for disposal from 2004 through 2018.

3: Please describe generated waste classes and explain how they will be generated.
The waste classes from previous forecasts were used.

4: Please provide a description of your HELD waste i.e., waste forms.
Are the volumes for HELD waste different from last year's forecast? (Yes/No).
If Yes, Please explain.
None.

5: Have your waste volumes changed from your previous forecast? (Yes/No).

If 'Yes', please explain.
Yes. The total volume have changed only slightly due to changes in the forecasted years. The volume of waste was proportionated to each year during retrieval based on the number of tanks being retrieved.

6 a/b: (a) Have you excluded any waste generation from potential future projects that are not in the official baseline?

(b) Do you foresee any facilities that are not currently your responsibility that will be in the future that are not forecasted?

(c) Are these variations provided in your estimation of the Min and Max values?

WHC_SST_RET
WHC_SST_RET
WHC_SST_RET
WHC_SST_RET
WHC_SST_RET

A-75

A-75

Waste Generator	Question
	Answer
	Please explain.
	a. No.
	b. No.
	c. N/A.
WHC_SST_RET	<p>7: Will waste be separated into like waste forms prior to shipping?</p> <p>For example, 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?</p> <p>Please explain for each waste class.</p> <p>Wastes will be packaged as generated. Generally, like wastes will be placed in containers with like waste.</p>
WHC_SST_RET	<p>8 a/b: (a) Will you generate hazardous or mixed waste? (Yes/No)</p> <p>If 'Yes', (b) Will you place several hazardous constituents in one container or will you segregate the constituents prior to shipping?</p> <p>That is, 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?</p> <p>a. Yes. The tanks contain mixed waste and a majority of the solid waste will be mixed waste.</p> <p>b. Hazardous materials will be segregated to the extent possible.</p>
WHC_SST_RET	<p>9: Please describe your quarterly expected shipping schedule for each applicable waste class during FY 1997.</p> <p>For example: 40% of waste shipped during the first quarter, 20% shipped in the second quarter, 40% shipped in the fourth quarter.</p> <p>None.</p>
WHC_SST_RET	<p>10: Discuss the assumptions that were used to prepare this forecast.</p> <p>The total volume from the previous forecast was used.</p>
WHC_SST_RET	<p>11: Please list any Tri-Party Agreement (TPA) milestones that affect your facility/program.</p> <p>For each TPA milestone please indicate your status in achieving the milestone and whether these milestones are reflected in your forecast.</p> <p>The related milestones are discussed in a memorandum from John Wagoner to the Department of Ecology, "Completion of Negotiations of Hanfor Federal Facility Agreement and Consent Order Milestones M-50-00, M-51-00, and M-60-00," dated December 21, 1995.</p>
WHC_SST_RET	<p>12: What assumptions were used in estimating the minimum and maximum waste percentages identified in Table 1?</p> <p>For example, the minimum waste % is based upon the majority of the waste being sent to a commercial disposal site.</p> <p>The maximum waste % is based upon additional projects being initiated that will generate waste not accounted for in the best estimate volume.</p> <p>The waste numbers are very preliminary and were generally given a range of 50% to 200%, primarily due to the uncertainty of dealing with preliminary facility and processing concepts.</p>

A-76

WHC-SD-WM-TI-777
Revision 0

Date: 6/20/96

SOLID WASTE FORECAST FY1997
Questionnaire

Page: 16

Waste Generator

Question
Answer

WHC_SST_RET

13: Please provide a description of how the radionuclides were determined?

For example, historical data or sample analysis data were used.

The radionuclide estimates are preliminary based on expected feed materials and processes. Reference WHC-SD-WM-TI-694, "Tank Waste Remediation System Optimized Processing Strategy." The radionuclides in the tank waste are dominated by cesium-137 and strontium-90.

WHC_SST_RET

14 a/b/c: Indicate confidence levels for the following waste characterization data:

For example, the physical waste forms are based upon historical characterization information.

(a) Physical Waste Forms

High

Low

Medium

Explain:

(b) Hazardous Constituents

High

Low

Medium

Explain:

(c) Radiation Type

High

Low

Medium

Explain:

a. Medium. Retrieval operations are ill-defined at this time.

b. Medium. Retrieval operations are ill-defined at this time.

c. Medium. Retrieval operations are ill-defined at this time.

WHC-SD-WM-TI-777
Revision 0

A-77

Waste Generator	Question	Answer
WHC_SST_RET	15 a/b/c: (a) What percentage of the waste forecasted is existing waste and what percentage is future generated waste? (b) Of your existing waste, how confident are you in the current shipping schedule? (High, Low, Medium) Explain: (c) Of your future generated waste, how confident are you in the volumes and shipping schedule? (High, Low, Medium) Explain:	a. The waste is future generated waste produced by retrieval operations. b. N/A c. Medium. Retrieval operations are ill-defined and the schedule is subject to change.
WHC_SST_RET	16 a/b/c: Indicate whether your forecast includes: operational, terminal clean-out & stabilization (TC&S) ,and/or D&D wastes. Does this forecast include:	(a) Operational waste? (b) Terminal clean-out & stabilization waste (TC&S)? (c) Decontamination & Decommissioning waste (D&D)? a. Yes b. No c. No
WHC_SST_RET	17: If you have not included TC&S or D&D waste, will this waste potentially be managed at Hanford? (Yes/No) If "Yes", please provide an estimate of the expected volumes.	Unknown.
WHC_SST_RET	18: When will your facility transition into a terminal clean-out and stabilization mission? Unknown.	
WHC_SST_RET	19: When is your facility expected to be added to the Surplus Facility List? Unknown.	
WHC_SST_RET	20: Will waste be generated between terminal clean-out/stabilization and D&D? (Yes/No) If "Yes", please provide a waste description and identify the organization and department that has responsibility for this close-out waste?	

Date: 6/20/96

SOLID WASTE FORECAST FY1997
Questionnaire

Page: 18

Waste Generator	Question
	Answer
	Unknown.
WHC_SST_RET	21: What document titles and numbers can be provided that give insight into solid waste generation at your facility? Please provide a list of document titles and document numbers that provide insight into solid waste generated during operations, terminal clean-out and stabilization activities and or D&D activities. Reference WHC-SD-WM-TI-694, "Tank Waste Remediation System Optimized Processing Strategy." WHC-EP-0900, "FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary," February, 1996.
WHC_SST_RET	22: Does your facility have an approved Site Treatment Plan (STP) or a Proposed Site Treatment Plan (PSTP) in progress? NOTE - OFFSITE GENERATORS ONLY, re: Richland Operations Office Letter (RL) #95-SWT-174, Guidance for Acceptance of Offsite Mixed Waste. Not applicable

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Notes

Page: 1

Waste Generator Note	Waste Class	Container	Physical Waste Form	HC or RAD	User Name	Date	Critical
WHC_HLVP					George Reddick	5/21/96	No
Potential demonstration start in 2002 (Phase 1). Full scale operation will begin about 2013 and end about 2028.							
WHC_LLVP					George Reddick	5/21/96	No
Phase 1 demonstration of low level vitrification begins in 2002. Phase 1 may continue through 2011. Phase 2 operations run from 2011 through 2021.							
WHC_SST_LLE					George Reddick	5/21/96	No
All SST retrieval completed by 2028.							
WHC_SST_RET					George Reddick	5/21/96	No
Complete demonstration on one tank by 2003. Complete all SST retrieval by 2018.							

SOLID WASTE FORECAST FY1997
Abbreviations

Abbreviation Type	Full Name	Abbreviation
Container	8 gal	30 L Drum (1A2)
	61 L Drum (1A2)	61 L Drum (1A2)
	30 gal	114 L Drum (1A1)
	30 gal	114 L Drum (1A2)
	55 gal	208 L Drum (1A1)
	55 gal	208 L Drum (1A2)
	85 gal	322 L Drum (1A2)
	110 gal	416 L Drum (1A2)
	55 gal (lead)	208 L Drum (lead-lined)
	55 gal (concrete)	208 L Drum (concrete-lined)
	2 x 2 x 6	MB-I (2x2x6)
	3 x 3 x 6	MB-II (3x3x6)
	2 x 4 x 8	MB-III (2x4x8)
	3.3 x 4.3 x 6.3	MB-IV (3.3x4.3x6.3)
	4 x 4 x 8	MB-V (4x4x8)
	5 x 5 x 9	MB-VI (5x5x9)
	4 x 4 x 8	H-2-42701 (4x4x8)
	4 x 4 x 6	CPC's B-25 (4x4x6)
	SWB	SWB
	4 x 8 x 20	Sea Land (4x8x20)
	"26" D X 52' LG"	LEC-1
	"26" D X 70' LG"	LEC-2
	"36" D X 52' LG"	LEC-3
	"36" D X 70' LG"	LEC-4
	"54" D X 70' LG"	LEC-5
	"63" D X 52' LG"	LEC-6
	"63" D X 70' LG"	LEC-7
	"67" D X 70' LG"	LEC-8
	"83" D X 48' LG"	LEC-9
	"26" SQ X 52"	LEC-10
	"26" SQ X 70"	LEC-11
	"36" SQ X 52"	LEC-12
	"36" SQ X 70"	LEC-13
	"54" SQ X 70"	LEC-14
	"63" SQ X 52"	LEC-15
	"63" SQ X 70"	LEC-16
	"67" SQ X 70"	LEC-17
	"83" SQ X 48"	LEC-18
	Ion exchange module	Ion exchange module
	Ion exchange column	Ion exchange column
	Cartridge	Cartridge
	Disposable solid waste cask	Disp SW cask
	Hittman liner	Hittman liner
	Enduropak	Enduropak
	Concrete plug	Concrete plug
	Concrete vault	Concrete vault

Abbreviations

Abbreviation Type	Full Name	Abbreviation
Container	Compactor TK	Compactor TK
	FL-10-1	FL-10-1
	FSV-1 liner	FSV-1 liner
	HIC dewatering	HIC dewatering
	HN-200 liner	HN-200 liner
	Shielding bloc	Shielding bloc
Hazardous Constituent	Ignitable	Ignitable
	Corrosive	Corrosive
	Reactive	Reactive
	Metals without mercury	Metals wo Hg
	Metals with mercury	Metals w Hg
	Organic	Organic
	WAC Codes WT, WP, WSC2	WT-WP-WSC2
	PCB Less Than 50ppm	PCB < 50ppm
Physical Waste Form	PCB 50ppm or Greater	PCB >= 50ppm
	Shielding Concrete	SH CONCRETE
	Shielding Lead	SH LEAD
	Shielding Steel	SH STEEL
	Void Space	SH_VOID
	Inorganic Particulates	IN PART
	Inorganic Absorbed Liq/Sludge	IN ABS LIQ/SLG
	Inorganic Paint Waste	IN PAINT WASTE
	Inorganic Salt Waste	IN SALT WASTE
	Organic Particulates	ORG PART
	Organic Absorbed Liq/Sludge	ORG ABS LIQ/SL
	Organic Absorbents	ORG ABSORB
	Soil Soil/Gravel	SOIL SOIL/GRAV
	Debris Inorganic	D INORG
	Debris Metal Activated Metal	D METAL-ACTIV
	Debris Metal Contaminated	D METAL-CONT
	Debris Inorganic NonMetal	D INORG NM
	Debris Organic	D ORG
	Debris Plastic/Rubber	D PLAS/RUB
	Debris Heterogeneous	D HETEROG
	Lab Packs-Organic	LAB PACKS-ORG
	Lab Packs-Aqueous	LAB PACKS-AQU
	Elemental Mercury	MERCURY
	Elemental Lead	LEAD
	Beryllium Waste	BERYLLIUM
	Batteries	BATTERIES
	Reactive Metals	REAC METAL
	Explosives/Propellants	EXPL PROP
	Aerosols/Compressed Gas	AERO/CG

Abbreviations

Abbreviation Type	Full Name	Abbreviation
Radionuclide	Carbon 14	CARBON14
	Radium 226	RADIUM226
	Technetium 99	TECHNETIUM99
	Selenium 79	SELENIUM79
	Plutonium 238, 239,240	PLUTONIUM
	Plutonium 241	PLUTONIUM241
	Neptunium 237	NEPTUNIUM237
	Uranium 233	URANIUM233
	Uranium 234	URANIUM234
	Uranium 235	URANIUM235
	Uranium 238	URANIUM238
	Iodine 129	IODINE129
	Iodine 131	IODINE131
	Tritium	TRITIUM
	Americium 241,243	AMERICIUM
	Chlorine 36	CHLORINE36
	Cesium 137	CESIUM137
	Strontium 90	STRONTIUM90
	Phosphorus 32	PHOSPHOROUS32
	Sulfur 35	SULFUR35
	Cobalt 60	COBALT60
	Lead 210	LEAD210

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 1

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

WHC HLVP End Of Lifecycle: 2028

CH_LLW_I

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol						50	50	50	50	50	50	50		
Min%						50	50	50	50	50	50	50		
Max%						200	200	200	200	200	200	200		
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Vol			250	250	250	250	250	250	250	250	250	250	250	250
Min%			50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200
2026	2027	2028												
Vol	250	250	250											
Min%	50	50	50											
Max%	200	200	200											
End Of Lifecycle Reached														

CH_LLW_I, H-2-42701 (4x4x8)

Container

H.2-42701 (4x4x8)										Percent Full: 100		Shielded: No			
r	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	Percentage						100	100	100	100	100	100	100		
	Cont. Count						12	12	12	12	12	12	12		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
	Percentage			100	100	100	100	100	100	100	100	100	100	100	100
	Cont. Count			62	62	62	62	62	62	62	62	62	62	62	62
	2026	2027	2028												
	Percentage	100	100	100											
	Cont. Count	62	62	62											
End Of Lifecycle Reached															

CH_LLW_I, H-2-42701 (4x4x8), D INORG

PWF

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100		
2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100
2026	2027	2028												
Percentage	100	100	100											
End Of Lifecycle Reached														

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLW_I, H-2-42701 (4x4x8), D INORG, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028												
Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001
End of Lifecycle Reached															

CH_LLW_I, H-2-42701 (4x4x8), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028												
Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001
End of Lifecycle Reached															

CH_LLW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol															
Min%															
Max%															
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Min%			750	750	750	750	750	750	750	750	750	750	750	750	750
Max%			50	50	50	50	50	50	50	50	50	50	50	50	50
Vol	2026	2027	2028												
Min%			750	750	750	750	750	750	750	750	750	750	750	750	750
Max%			50	50	50	50	50	50	50	50	50	50	50	50	50
End of Lifecycle Reached			200	200	200	200	200	200	200	200	200	200	200	200	200

CH_LLW_III, H-2-42701 (4x4x8)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full: 100	Shielded: No	2005	2006	2007	2008	2009	2010
Percentage																	
Cont. Count	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025		
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Cont. Count			185	185	185	185	185	185	185	185	185	185	185	185	185	185	185
Percentage	2026	2027	2028														
Cont. Count			100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
End of Lifecycle Reached			185	185	185	185	185	185	185	185	185	185	185	185	185	185	185

A-85

WHC-SD-WM-TL-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 3

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLW_III, H-2-42701 (4x4x8), D INORG

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

CH_LLW_III, H-2-42701 (4x4x8), D INORG, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028												
Concentration	10	10	10												
End of Lifecycle Reached															

CH_LLW_III, H-2-42701 (4x4x8), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028												
Concentration	10	10	10												
End of Lifecycle Reached															

RH_LLW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol															
Min%															
Max%															
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Vol															
Min%															
Max%															
	2026	2027	2028												
Vol	200	200	200												
Min%	50	50	50												
Max%	200	200	200												
End of Lifecycle Reached															

WHC-SD-WM-TL-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 4

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLW_III, MB-V (4x4x8)		Percent Full: 100										Shielded: No				
Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage							100	100	100	100	100	100	100	100	100	
Cont. Count							10	10	10	10	10	10	10	10	10	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Cont. Count			100	100	100	100	100	100	100	100	100	100	100	100	100	
			51	51	51	51	51	51	51	51	51	51	51	51	51	
Percentage	2026	2027	2028													
Cont. Count	100	100	100													
	51	51	51													
End of Lifecycle Reached																

RH_LLW_III, MB-V (4x4x8), D INORG		Percent Full: 100										Shielded: No				
PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage							100	100	100	100	100	100	100	100	100	
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
			100	100	100	100	100	100	100	100	100	100	100	100	100	
Percentage	2026	2027	2028													
	100	100	100													
End of Lifecycle Reached																

RH_LLW_III, MB-V (4x4x8), D INORG, CESIUM137		Percent Full: 100										Shielded: No				
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Concentration							100	100	100	100	100	100	100	100	100	
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
			100	100	100	100	100	100	100	100	100	100	100	100	100	
Concentration	2026	2027	2028													
	100	100	100													
End of Lifecycle Reached																

RH_LLW_III, MB-V (4x4x8), D INORG, STRONTIUM90		Percent Full: 100										Shielded: No				
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Concentration							100	100	100	100	100	100	100	100	100	
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
			100	100	100	100	100	100	100	100	100	100	100	100	100	
Concentration	2026	2027	2028													
	100	100	100													
End of Lifecycle Reached																

WHC-SD-WM-TL-777
Revision 0

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLMW_I	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							20	20	20	20	20	20	20		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Vol			100	100	100	100	100	100	100	100	100	100	100	100	100
Min%			50	50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200	200
	2026	2027	2028												
Vol	100	100	100												
Min%	50	50	50												
Max%	200	200	200												
End of Lifecycle Reached															

CH_LLMW_I, 208 L Drum (1A2)										Percent Full: 100		Shielded:		No			
Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
	Percentage						100	100	100	100	100	100	100				
	Cont. Count						78	78	78	78	78	78	78				
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
	Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100	
	Cont. Count			389	389	389	389	389	389	389	389	389	389	389	389	389	
		2026	2027	2028													
	Percentage		100	100													
	Cont. Count		389	389													
End of Lifecycle Reached																	

CH_LLMW_I, 208 L Drum (1A2), D INORG	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
PWF															
Percentage							100	100	100	100	100	100	100		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100
	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 6

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLMW_I, 208 L Drum (1A2), D INORG, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

CH_LLMW_I, 208 L Drum (1A2), D INORG, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028												
Concentration	.001	.001	.001												
End of Lifecycle Reached															

CH_LLMW_I, 208 L Drum (1A2), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028												
Concentration	.001	.001	.001												
End of Lifecycle Reached															

CH_LLMW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							40	40	40	40	40	40	40		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Vol			200	200	200	200	200	200	200	200	200	200	200	200	200
Min%			50	50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200	200
	2026	2027	2028												
Vol		200	200	200											
Min%		50	50	50											
Max%		200	200	200											
End of Lifecycle Reached															

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 7

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLMW_III, 208 L Drum (1A2)		Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No	2009	2010
Container											2005	2006	2007	2008		
Percentage								100	100	100	100	100	100	100		
Cont. Count								156	156	156	156	156	156	156		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage				100	100	100	100	100	100	100	100	100	100	100	100	
Cont. Count				778	778	778	778	778	778	778	778	778	778	778	778	
	2026	2027	2028													
Percentage	100	100	100													
Cont. Count	778	778	778													
End of Lifecycle Reached																

CH_LLMW_III, 208 L Drum (1A2), D INORG

PWF		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage				100	100	100	100	100	100	100	100	100	100	100	100	100
	2026	2027	2028													
Percentage	100	100	100													
End of Lifecycle Reached																

CH_LLMW_III, 208 L Drum (1A2), D INORG, WT-WP-WSC2

HC		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage				100	100	100	100	100	100	100	100	100	100	100	100	100
	2026	2027	2028													
Percentage	100	100	100													
End of Lifecycle Reached																

CH_LLMW_III, 208 L Drum (1A2), D INORG, CESIUM137

RAD		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration				10	10	10	10	10	10	10	10	10	10	10	10	10
	2026	2027	2028													
Concentration	10	10	10													
End of Lifecycle Reached																

WHC-SD-WM-TL-777
Revision 0

A-90

Date: 6/19/98

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 8

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LMW_III, 208 L Drum (1A2), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028	10	10	10	10	10	10	10	10	10	10	10	10
Concentration	10	10	10												
End of Lifecycle Reached															

CH_TRUM

Vol	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Min%							10	10	10	10	10	10	10		
Max%							50	50	50	50	50	50	50		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Vol			50	50	50	50	50	50	50	50	50	50	50	50	50
Min%			50	50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200	200
	2026	2027	2028												
Vol	50	50	50												
Min%	50	50	50												
Max%	200	200	200												
End of Lifecycle Reached															

CH_TRUM, 208 L Drum (1A2)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100		
Cont. Count							39	39	39	39	39	39	39	39		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100	100
Cont. Count			195	195	195	195	195	195	195	195	195	195	195	195	195	195
	2026	2027	2028													
Percentage	100	100	100													
Cont. Count	195	195	195													
End of Lifecycle Reached																

WHC-SD-WM-TI-777
Revision 0

A-91

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_TRUM, 208 L Drum (1A2), D INORG

PWF

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

CH_TRUM, 208 L Drum (1A2), D INORG, WT-WP-WSC2

HC

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

CH_TRUM, 208 L Drum (1A2), D INORG, PLUTONIUM

RAD

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028	1	1	1	1	1	1	1	1	1	1	1	1
Concentration	1	1	1												
End of Lifecycle Reached															

CH_TRUM, 208 L Drum (1A2), D INORG, CESIUM137

RAD

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028	10	10	10	10	10	10	10	10	10	10	10	10
Concentration	10	10	10												
End of Lifecycle Reached															

Waste Generator[illegible][illegible]

RH TRUM

[illegible]

RH_TRUM, SWB

SWB										Percent Full: 100		Shielded: No			
	Heid	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100		
Cont. Count							5	5	5	5	5	5	5		
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100
Cont. Count			24	24	24	24	24	24	24	24	24	24	24	24	24
	2026	2027	2028												
Percentage	100	100	100												
Cont. Count	24	24	24												
End of Lifecycle Reached															

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)															
RH_TRUM, SWB, D INORG															
PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100
Percentage	100	100	100												
End of Lifecycle Reached															
RH_TRUM, SWB, D INORG, WT-WP-WSC2															
HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100
Percentage	100	100	100												
End of Lifecycle Reached															
RH_TRUM, SWB, D INORG, PLUTONIUM															
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028	1	1	1	1	1	1	1	1	1	1	1	1
Concentration	1	1	1												
End of Lifecycle Reached															
RH_TRUM, SWB, D INORG, CESIUM137															
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028	100	100	100	100	100	100	100	100	100	100	100	100
Concentration	100	100	100												
End of Lifecycle Reached															

WHC-SD-WM-TL-777
Revision 0

A-94

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 12

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH, TRUM, SWB, D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Concentration	2026	2027	2028												
Concentration	100	100	100												
End of Lifecycle Reached															

HAZ

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							10	10	10	10	10	10	10		
Min%							50	50	50	50	50	50	50		
Max%							200	200	200	200	200	200	200		
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Min%			50	50	50	50	50	50	50	50	50	50	50	50	50
Max%			200	200	200	200	200	200	200	200	200	200	200	200	200
Vol	2026	2027	2028												
Min%	50	50	50												
Max%	200	200	200												
End of Lifecycle Reached															

HAZ, 206 L Drum (1A2)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No	2009	2010
Percentage							100	100	100	2005	2006	2007	2008		
Cont. Count	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage			100	100	100	100	100	100	100	100	100	100	100	100	100
Cont. Count	2026	2027	2028	195	195	195	195	195	195	195	195	195	195	195	195
Percentage	100	100	100												
Cont. Count	195	195	195												
End of Lifecycle Reached															

WHC-SD-WM-TI-777
Revision 0

A-95

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

HAZ, 208 L Drum (1A2), D INORG

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

HAZ, 208 L Drum (1A2), D INORG, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Percentage	2026	2027	2028												
Percentage	100	100	100												
End of Lifecycle Reached															

WHS-SD-WM-TL-777
Revision 0

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)	Quantity	Location	Remarks
Low level waste, 55 gallon drum, solid waste, (Radionuclide or Hazardous Constituent)	1	Room 101	

WHC_LLWP																	End of Lifecycle: 2021																
CH_LLW_I																																	
		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010																	
Vol								240	240	240	240	240	240	240	240	240																	
Min%								50	50	50	50	50	50	50	50	50																	
Max%								200	200	200	200	200	200	200	200	200																	
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021																					
Vol		1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200																					
Min%		50	50	50	50	50	50	50	50	50	50	50																					
Max%		200	200	200	200	200	200	200	200	200	200	200																					
End of Lifecycle Reached																																	
CH_LLW_I, H-2-42701 (4x4x8)																																	
Container		Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full: 100		Shielded: No		2007	2008	2009	2010															
Percentage								100	100	100	2005	2006	2007	2008	2009	2010																	
Cont. Count								59	59	59	59	59	59	59	59	59																	
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021																					
Percentage		100	100	100	100	100	100	100	100	100	100	100																					
Cont. Count		296	296	296	296	296	296	296	296	296	296	296																					
End of Lifecycle Reached																																	
CH_LLW_I, H-2-42701 (4x4x8), D INORG																																	
PWF		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010																	
Percentage								100	100	100	100	100	100	100	100	100																	
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021																					
Percentage		100	100	100	100	100	100	100	100	100	100	100																					
End of Lifecycle Reached																																	
CH_LLW_I, H-2-42701 (4x4x8), D INORG, CESIUM137																																	
RAD		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010																	
Concentration								.001	.001	.001	.001	.001	.001	.001	.001	.001																	
		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021																					
Concentration		.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001																					
End of Lifecycle Reached																																	

WHC-SD-WM-TI-777
Revision 0

A-97

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLW_I, H-2-42701 (4x4x8), D INORG, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD	Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
	Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001				
	End of Lifecycle Reached															

CH_LLW_III		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	Vol							240	240	240	240	240	240	240	240	240
	Min%							50	50	50	50	50	50	50	50	50
	Max%							200	200	200	200	200	200	200	200	200
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
	Vol	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200				
	Min%	50	50	50	50	50	50	50	50	50	50	50				
	Max%	200	200	200	200	200	200	200	200	200	200	200				
	End of Lifecycle Reached															

CH_LLW_III, H-2-42701 (4x4x8)		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Container	Percentage							100	100	100	100	100	100	100	100	100
	Cont. Count							59	59	59	59	59	59	59	59	59
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
	Percentage	100	100	100	100	100	100	100	100	100	100	100				
	Cont. Count	296	296	296	296	296	296	296	296	296	296	296				
	End of Lifecycle Reached															

CH_LLW_III, H-2-42701 (4x4x8), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
PWF	Percentage							100	100	100	100	100	100	100	100	100
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
	Percentage	100	100	100	100	100	100	100	100	100	100	100				
	End of Lifecycle Reached															

CH_LLW_III, H-2-42701 (4x4x8), D INORG, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD	Concentration							10	10	10	10	10	10	10	10	10
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
	Concentration	10	10	10	10	10	10	10	10	10	10	10				
	End of Lifecycle Reached															

A-96

WHC-SD-WM-TI-777
Revision 0

Date: 8/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 16

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLW_III, H-2-42701 (4x4x8), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
End of Lifecycle Reached															

RH_LLW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							50	50	50	50	50	50	50	50	50
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Min%	300	300	300	300	300	300	300	300	300	300	300				
Max%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															

RH_LLW_III, MB-V (4x4x8)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No	2007	2008	2009	2010
Percentage							100	100	100	2005	2006	100	100	100	100	100	100
Cont. Count							15	15	15	15	15	15	15	15	15	15	15
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021						
Cont. Count	100	100	100	100	100	100	100	100	100	100	100						
Cont. Count	76	76	76	76	76	76	76	76	76	76	76						
End of Lifecycle Reached																	

RH_LLW_III, MB-V (4x4x8), D INORG

PWVF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage	100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached															

RH_LLW_III, MB-V (4x4x8), D INORG, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached															

WHC-SD-WM-TL-777
Revision 0

A-99

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLW_III, MB-V (4x4x8), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100				

CH_LLWMV_I

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							40	40	40	40	40	40	40	40	40
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Min%	200	200	200	200	200	200	200	200	200	200	200				
Max%	50	50	50	50	50	50	50	50	50	50	50				
End of Lifecycle Reached	200	200	200	200	200	200	200	200	200	200	200				

CH_LLWMV_I, 208 L Drum (1A2)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100	100	100
Cont. Count							156	156	156	156	156	156	156	156	156	156	156
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021						
Cont. Count	100	100	100	100	100	100	100	100	100	100	100						
End of Lifecycle Reached	778	778	778	778	778	778	778	778	778	778	778						

CH_LLWMV_I, 208 L Drum (1A2), D INORG

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100				

CH_LLWMV_I, 208 L Drum (1A2), D INORG, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
End of Lifecycle Reached	100	100	100	100	100	100	100	100	100	100	100				

A-100

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLMW_I, 208 L Drum (1A2), D INORG, CESIUM137															
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001				
End of Lifecycle Reached															
CH_LLMW_I, 208 L Drum (1A2), D INORG, STRONTIUM90															
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							.001	.001	.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001	.001				
End of Lifecycle Reached															
CH_LLMW_III															
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							40	40	40	40	40	40	40	40	40
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Vol	200	200	200	200	200	200	200	200	200	200	200				
Min%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															
CH_LLMW_III, 208 L Drum (1A2)															
Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Cont. Count							156	156	156	156	156	156	156	156	156
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage	100	100	100	100	100	100	100	100	100	100	100				
Cont. Count	778	778	778	778	778	778	778	778	778	778	778				
End of Lifecycle Reached															
CH_LLMW_III, 208 L Drum (1A2), D INORG															
PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage	100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached															

A-101

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 19

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLMW_III, 208 L Drum (1A2), D INORG, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage							100	100	100	100	100	100	100	100	100
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Percentage	100	100	100	100	100	100	100	100	100	100	100				
End of Lifecycle Reached															

CH_LLMW_III, 208 L Drum (1A2), D INORG, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10	10	10
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	10	10	10	10	10	10	10	10	10	10	10				
End of Lifecycle Reached															

CH_LLMW_III, 208 L Drum (1A2), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration							10	10	10	10	10	10	10	10	10
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Concentration	10	10	10	10	10	10	10	10	10	10	10				
End of Lifecycle Reached															

HAZ

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol							20	20	20	20	20	20	20	20	20
Min%							50	50	50	50	50	50	50	50	50
Max%							200	200	200	200	200	200	200	200	200
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021				
Vol	100	100	100	100	100	100	100	100	100	100	100				
Min%	50	50	50	50	50	50	50	50	50	50	50				
Max%	200	200	200	200	200	200	200	200	200	200	200				
End of Lifecycle Reached															

HAZ, 208 L Drum (1A2)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Percent Full: 100	Shielded: No	2007	2008	2009	2010
Percentage							100	100	100	100	100			100	100	100	100
Cont. Count							78	78	78	78	78			78	78	78	78
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021						
Percentage	100	100	100	100	100	100	100	100	100	100	100						
Cont. Count	389	389	389	389	389	389	389	389	389	389	389						
End of Lifecycle Reached																	

A-102

WHC-SD-WM-TI-777
Revision 0

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

HAZ, 208 L Drum (1A2), D INORG																
PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021					
Percentage	100	100	100	100	100	100	100	100	100	100	100					
End of Lifecycle Reached																

HAZ, 208 L Drum (1A2), D INORG, WT-WP-WSC2

[illegible]

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 21

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

WHC SST LLE End Of Lifecycle: 2024

RH_LLMW_III

Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol					590	657	88	571	1,127	783	1,083	1,584	2,109	2,082
Min%					50	50	50	50	50	50	50	50	50	50
Max%					133	133	133	133	133	133	133	133	133	133
Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Min%	2,451	1,857	2,524	2,750	538	1,077	646							
Max%	50	50	50	50	50	50	50							
End of Lifecycle Reached	133	133	133	133	133	133	133							

RH_LLMW_III, LEC-10

Percent Full: 100

Shielded: No

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						12	14	24	10	13	16	15	13	13	13
Cont. Count						10	13	3	8	21	18	23	30	40	39
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Cont. Count	16	10	15	10											
End of Lifecycle Reached	57	26	54	41											

RH_LLMW_III, LEC-10, D METAL-CONT

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											

RH_LLMW_III, LEC-10, D METAL-CONT, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 22

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, LEC-10, D METAL-CONT, CESIUM137																	
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
	Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
	Concentration	100	100	100	100												
	End of Lifecycle Reached																
RH_LLMW_III, LEC-10, D METAL-CONT, STRONTIUM90																	
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
	Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
	Concentration	100	100	100	100												
	End of Lifecycle Reached																
RH_LLMW_III, LEC-11																	
Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full: 100	2005	Shielded: No	2006	2007	2008	2009	2010
	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
	Cont. Count					21	7	11	5	6	7	7	6	7	6	7	8
						13	5	1	3	7	6	8	10	15	15	14	14
	Percentage	8	5	7	5												
	Cont. Count	20	9	19	15												
	End of Lifecycle Reached																
RH_LLMW_III, LEC-11, D METAL-CONT																	
PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
	Percentage	100	100	100	100												
	End of Lifecycle Reached																
RH_LLMW_III, LEC-11, D METAL-CONT, WT-WP-WSC2																	
HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024		
	Percentage	100	100	100	100												
	End of Lifecycle Reached																

WHC-SD-WM-TI-777
Revision 0

A-105

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 23

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, LEC-11, D METAL-CONT, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											

RH_LLMW_III, LEC-11, D METAL-CONT, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											

RH_LLMW_III, LEC-12

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						2	2		12	7	3	5	8	8	7
Cont. Count						1	1		5	6	2	4	9	9	11
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Percentage	7	11	9	11	25	25	25								
Cont. Count	13	16	17	23	10	20	12								
End of Lifecycle Reached															

RH_LLMW_III, LEC-12, D METAL-CONT

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100		100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100	100	100	100								

RH_LLMW_III, LEC-12, D METAL-CONT, WT-WP-WSC2

/ HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100		100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100	100	100	100								

WHC-SD-WM-TL-777
Revision 0

A-106

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 24

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, LEC-12, D METAL-CONT, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Concentration	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
End of Lifecycle Reached															

RH_LLMW_III, LEC-12, D METAL-CONT, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Concentration	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
End of Lifecycle Reached															

RH_LLMW_III, LEC-13

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No	2009	2010
Percentage						6	5	20	3	2005	2006	2007	2008	2009	2010
Cont. Count						2	2	1	1	6	7	7	2	8	6
Percentage										4	3	4	2	10	7
Cont. Count										2020	2021	2022	2023	2024	
Percentage	5	5	7	5											
Cont. Count	7	5	10	7											
End of Lifecycle Reached															

RH_LLMW_III, LEC-13, D METAL-CONT

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
End of Lifecycle Reached															

RH_LLMW_III, LEC-13, D METAL-CONT, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Percentage	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
End of Lifecycle Reached															

WHC-SD-WM-TI-777
Revision 0

A-107

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, LEC-13, D METAL-CONT, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Concentration	100	100	100	100											
End of Lifecycle Reached															

RH_LLMW_III, LEC-13, D METAL-CONT, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Concentration	100	100	100	100											
End of Lifecycle Reached															

RH_LLMW_III, LEC-14

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No	2005	2006	2007	2008	2009	2010
Percentage						34	43	46	28					39	51	44	43	38	40
Cont. Count						5	7	1	4					11	10	12	17	20	21
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024					
Percentage	34	30	46	32															
Cont. Count	21	14	29	22															
End of Lifecycle Reached																			

RH_LLMW_III, LEC-14, D METAL-CONT

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Percentage	100	100	100	100											
End of Lifecycle Reached															

RH_LLMW_III, LEC-14, D METAL-CONT, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100	100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Percentage	100	100	100	100											
End of Lifecycle Reached															

A-108

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 26

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, LEC-14, D METAL-CONT, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											

RH_LLMW_III, LEC-14, D METAL-CONT, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100	100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100											

RH_LLMW_III, LEC-15

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						7	12		43	29	16	22	28	25	27
Cont. Count						1	2		6	8	3	6	11	13	14
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Percentage	30	39	16	37	75	75	75								
Cont. Count	18	18	10	25	10	20	12								
End of Lifecycle Reached															

RH_LLMW_III, LEC-15, D METAL-CONT

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100		100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100	100	100	100								

RH_LLMW_III, LEC-15, D METAL-CONT, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100		100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100	100	100	100								

WHC-SD-WM-TL-777
Revision 0

A-109

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 27

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, LEC-15, D METAL-CONT, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100		100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100	100	100	100								

RH_LLMW_III, LEC-15, D METAL-CONT, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100		100	100	100	100	100	100	100
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached	100	100	100	100	100	100	100								

RH_LLMW_III, LEC-16

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No		
Percentage						19	17			2005	2006	2007	2008	2009	2010
Cont. Count						2	2								
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Cont. Count															
End of Lifecycle Reached															

RH_LLMW_III, LEC-16, D METAL-CONT

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100								
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															

RH_LLMW_III, LEC-16, D METAL-CONT, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100								
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															

A-110

WHC-SD-WM-TL-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 28

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, LEC-16, D METAL-CONT, CESIUM137																	
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Concentration						100	100										
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024			
End of Lifecycle Reached																	
RH_LLMW_III, LEC-16, D METAL-CONT, STRONTIUM90																	
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Concentration						100	100										
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024			
End of Lifecycle Reached																	
RH_LLMW_III, LEC-18																	
Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full: 100		Shielded: No		2009	2010		
Percentage Cont. Count										2005	2006	2007	2008	3	1		
Percentage Cont. Count	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024			
End of Lifecycle Reached																	
RH_LLMW_III, LEC-18, D METAL-CONT																	
PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage														100			
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024			
End of Lifecycle Reached																	
RH_LLMW_III, LEC-18, D METAL-CONT, WT-WP-WSC2																	
HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage														100			
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024			
End of Lifecycle Reached																	

WHC-SD-WM-TL-777
Revision 0

A-111

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, LEC-18, D METAL-CONT, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD		Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Concentration														100
		End of Lifecycle Reached														
RH_LLMW_III, LEC-18, D METAL-CONT, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD		Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Concentration														100
		End of Lifecycle Reached														
CH_TRUM		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Vol					164	164	164							
		Min%					33	33	33							
		Max%					100	100	100							
		Vol	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Min%														
		Max%														
		End of Lifecycle Reached														
CH_TRUM, LEC-16		Percent Full:									100		Shielded:	No		
Container		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
		Percentage					100	100	100							
		Cont. Count					3	3	3							
		Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Cont. Count														
		End of Lifecycle Reached														
CH_TRUM, LEC-16, D METAL-CONT		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
PWF		Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
		Percentage					100	100	100							
		End of Lifecycle Reached														

WHC-SD-WM-TI-777
Revision 0

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 30

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_TRUM, LEC-16, D METAL-CONT, WT-WP-WSC2		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
HC	Percentage						100	100	100							
	End of Lifecycle Reached	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
	End of Lifecycle Reached															
CH_TRUM, LEC-16, D METAL-CONT, PLUTONIUM		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD	Concentration						1	1	1							
	End of Lifecycle Reached	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
	End of Lifecycle Reached															
CH_TRUM, LEC-16, D METAL-CONT, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD	Concentration						10	10	10							
	End of Lifecycle Reached	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
	End of Lifecycle Reached															
CH_TRUM, LEC-16, D METAL-CONT, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD	Concentration						10	10	10							
	End of Lifecycle Reached	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
	End of Lifecycle Reached															
RH_TRUM		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	Vol						164	164	164							
	Min%						33	33	33							
	Max%						100	100	100							
	Vol															
	Min%															
	Max%															
End of Lifecycle Reached		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	

WHC-SD-WM-TI-777
Revision 0

A-113

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 31

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_TRUM, LEC-16		Percent Full:	100	Shielded:	No										
Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100							
Cont. Count						3	3	3							
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Cont. Count															
End of Lifecycle Reached															
RH_TRUM, LEC-16, D METAL-CONT		Percent Full:	100	Shielded:	No										
PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100							
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_TRUM, LEC-16, D METAL-CONT, WT-WP-WSC2		Percent Full:	100	Shielded:	No										
HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage						100	100	100							
Percentage	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_TRUM, LEC-16, D METAL-CONT, PLUTONIUM		Percent Full:	100	Shielded:	No										
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						1	1	1							
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															
RH_TRUM, LEC-16, D METAL-CONT, CESIUM137		Percent Full:	100	Shielded:	No										
RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100							
Concentration	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
End of Lifecycle Reached															

WHC-SD-WM-TL-777
Revision 0

A-114

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 32

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_TRUM, LEC-16, D METAL-CONT, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration						100	100	100							
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	
Concentration															
End of Lifecycle Reached															

WHC-SD-WM-TL-777
Revision 0

A-115

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 33

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

WHC SST RET End of Lifecycle: 2018

CH_LLW_I

Vol	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Min%									16	21	4	12	33	28	36
Max%									50	50	50	50	50	50	50
									200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018							
Min%	50	60	61	90	41	86	65								
Max%	50	50	50	50	50	50	50								
	200	200	200	200	200	200	200								
End of Lifecycle Reached															

CH_LLW_I, 208 L Drum (1A1)

Container

208 L Drum (1A1)										Percent Full: 100		Shielded: No					
	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010		
Percentage									100	100	100	100	100	100	100		
Cont. Count									66	87	17	50	136	116	149		
	2011	2012	2013	2014	2015	2016	2017	2018									
Percentage	100	100	100	100	100	100	100										
Cont. Count	207	248	252	372	169	355	269										
End of Lifecycle Reached																	

CH_LLW_I, 208 L Drum (1A1), D INORG

PWF

Percentage	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100
Percentage	100	100	100	100	100	100	100								
End of Lifecycle Reached															

CH_LLW_I, 208 L Drum (1A1), D INORG, CESIUM137

RAD

Concentration	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	2011	2012	2013	2014	2015	2016	2017	2018	.001	.001	.001	.001	.001	.001	.001
Concentration	.001	.001	.001	.001	.001	.001	.001								
End of Lifecycle Reached															

WHC-SD-WM-TI-777
Revision 0

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLW_I, 208 L Drum (1A1), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration									.001	.001	.001	.001	.001	.001	.001
Concentration	2011	2012	2013	2014	2015	2016	2017	2018							
End of Lifecycle Reached	.001	.001	.001	.001	.001	.001	.001	.001							

CH_LLWV_I

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol									9	12	2	7	19	16	21
Min%									50	50	50	50	50	50	50
Max%									200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018							
Min%	30	34	35	52	24	56	38								
Max%	50	50	50	50	50	50	50								
End of Lifecycle Reached	200	200	200	200	200	200	200								

CH_LLWV_I, 208 L Drum (1A1)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	2005	2006	Shielded:	No	2007	2008	2009	2010
Percentage									100		100	100			100	100	100	100
Cont. Count									37		50	8			29	79	66	87
Percentage	2011	2012	2013	2014	2015	2016	2017	2018										
Cont. Count	100	100	100	100	100	100	100											
End of Lifecycle Reached	124	140	145	215	99	355	157											

CH_LLWV_I, 208 L Drum (1A1), D INORG

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage									100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018							
End of Lifecycle Reached	100	100	100	100	100	100	100								

CH_LLWV_I, 208 L Drum (1A1), D INORG, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage									100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018							
End of Lifecycle Reached	100	100	100	100	100	100	100								

WHC-SD-WM-TI-777
Revision 0

A-117

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLMW_I, 208 L Drum (1A1), D INORG, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	.001	.001	.001	.001	.001	.001
Concentration		.001	.001	.001	.001	.001	.001	.001							
End of Lifecycle Reached															

CH_LLMW_I, 208 L Drum (1A1), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration		2011	2012	2013	2014	2015	2016	2017	2018	.001	.001	.001	.001	.001	.001
Concentration		.001	.001	.001	.001	.001	.001	.001							
End of Lifecycle Reached															

CH_LLMW_III

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol									14	17	4	10	27	24	31
Min%									50	50	50	50	50	50	50
Max%									200	200	200	200	200	200	200
Vol		2011	2012	2013	2014	2015	2016	2017	2018						
Min%		40	52	51	78	34	72	55							
Max%		50	50	50	50	50	50	50							
End of Lifecycle Reached		200	200	200	200	200	200	200							

CH_LLMW_III, 208 L Drum (1A1)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full:	100	Shielded:	No	2008	2009	2010
Percentage									100	100	100	100	100	100	100	100
Cont. Count									58	70	17	41	112	99	128	
Percentage		2011	2012	2013	2014	2015	2016	2017	2018							
Cont. Count		100	100	100	100	100	100	100								
End of Lifecycle Reached		165	215	211	314	140	298	227								

CH_LLMW_III, 208 L Drum (1A1), D INORG

PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage		2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100
Percentage		100	100	100	100	100	100	100							
End of Lifecycle Reached															

WHC-SD-WM-TI-777
Revision 0

A-118

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 36

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

CH_LLMW_III, 208 L Drum (1A1), D INORG, WT-WP-WSC2

HC	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Percentage									100	100	100	100	100	100	100
Percentage	2011	2012	2013	2014	2015	2016	2017	2018							
End of Lifecycle Reached	100	100	100	100	100	100	100								

CH_LLMW_III, 208 L Drum (1A1), D INORG, CESIUM137

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration									10	10	10	10	10	10	10
Concentration	2011	2012	2013	2014	2015	2016	2017	2018							
End of Lifecycle Reached	10	10	10	10	10	10	10								

CH_LLMW_III, 208 L Drum (1A1), D INORG, STRONTIUM90

RAD	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Concentration									10	10	10	10	10	10	10
Concentration	2011	2012	2013	2014	2015	2016	2017	2018							
End of Lifecycle Reached	10	10	10	10	10	10	10								

RH_LLMW_I

	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Vol									4	5	1	3	8	7	10
Min%									50	50	50	50	50	50	50
Max%									200	200	200	200	200	200	200
Vol	2011	2012	2013	2014	2015	2016	2017	2018							
Min%	10	18	16	23	11	22	17								
Max%	50	50	50	50	50	50	50								
End of Lifecycle Reached	200	200	200	200	200	200	200								

RH_LLMW_I, 208 L Drum (1A1)

Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	Percent Full: 100	2005	2006	Shielded: No	2007	2008	2009	2010
Percentage									100	100	100	100	100	100	100	100	100
Cont. Count									17	21	4	12	33	29	41		
Percentage	2011	2012	2013	2014	2015	2016	2017	2018									
Cont. Count	100	100	100	100	100	100	100										
End of Lifecycle Reached	41	74	66	85	45	91	70										

WHC-SD-WM-TI-777
Revision 0

A-119

SOLID WASTE FORECAST FY1997
Complete Data Summary

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_I, 208 L Drum (1A1), D INORG		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
PWF	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100
	Percentage	100	100	100	100	100	100	100								
	End of Lifecycle Reached															
RH_LLMW_I, 208 L Drum (1A1), D INORG, WT-WP-WSC2		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
HC	Percentage	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100
	Percentage	100	100	100	100	100	100	100								
	End of Lifecycle Reached															
RH_LLMW_I, 208 L Drum (1A1), D INORG, CESIUM137		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD	Concentration	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100
	Concentration	100	100	100	100	100	100	100								
	End of Lifecycle Reached															
RH_LLMW_I, 208 L Drum (1A1), D INORG, STRONTIUM90		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
RAD	Concentration	2011	2012	2013	2014	2015	2016	2017	2018	100	100	100	100	100	100	100
	Concentration	100	100	100	100	100	100	100								
	End of Lifecycle Reached															
RH_LLMW_III		Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
	Vol									6	8	2	5	13	11	14
	Min%									50	50	50	50	50	50	50
	Max%									200	200	200	200	200	200	200
	2011	2012	2013	2014	2015	2016	2017	2018								
	Vol	20	22	23	35	16	33	25								
	Min%	50	50	50	50	50	50	50								
	Max%	200	200	200	200	200	200	200								
	End of Lifecycle Reached															

WHC-SD-WM-TL-777
Revision 0

A-120

Date: 6/19/96

SOLID WASTE FORECAST FY1997
Complete Data Summary

Page: 38

Waste Generator

Waste Class, Container, Physical Waste Form, (Radionuclide or Hazardous Constituent)

RH_LLMW_III, 208 L Drum (lead-lined)											Percent Full:		100	Shielded:		No	2009		2010
Container	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010				
	Percentage								100	100	100	100	100	100	100				
	Cont. Count								23	31	8	19	51	43	54				
		2011	2012	2013	2014	2015	2016	2017	2018										
	Percentage	100	100	100	100	100	100	100											
	Cont. Count	78	86	89	136	62	128	97											
End of Lifecycle Reached																			
RH_LLMW_III, 208 L Drum (lead-lined), D INORG																			
PWF	Held	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010				
	Percentage								100	100	100	100	100	100	100				
		2011	2012	2013	2014	2015	2016	2017	2018										
	Percentage	100	100	100	100	100	100	100											
End of Lifecycle Reached																			

WHC-SD-WM-TL-777
Revision 0

This page intentionally left blank.

APPENDIX B

SINGLE-SHELL TANK EQUIPMENT LIST

This page intentionally left blank.

Single-Shell Tank Equipment List. (3 sheets)

Equipment Description	A (6)	AX (4)	B (16)	BX (12)	BY (12)	C (16)	S (12)	SX (15)	T (16)	TX (18)	TY (6)	U (16)
Air circulator	5	88			13			10		13		
Condenser					1							
Condensate pump								1				
Corrosive probe							2	2				
Crust breaker	4							1				
Dip tube	1		1									1
Dip leg (recirculation nozzle?)			4	8	1	10						20
Distributor jet						2		3				3
Dry well (thermal and other)	5	28				1			3			4
Electric heater and air circulator					1							
FIC	4	4	7	8	1	7	12	6	14	7	4	9
Flow ind controller (C-108)						1						
Heating coil	2											
Heel pump			2	5	1					4		2
Liquid level well	2		1	2					1	6	1	2
Liquid level tape		2	6	1	1	6				11		
LLR (manual liquid level sensor)	1		3	4	9	6	2	10	2	1	2	8
LOW (liquid obs well)	2	1	2	1	8	3	10	5	3	14	1	8

Single-Shell Tank Equipment List. (3 sheets)

Equipment Description	A (6)	AX (4)	B (16)	BX (12)	BY (12)	C (16)	S (12)	SX (15)	T (16)	TX (18)	TY (6)	U (16)
Mini cooler					2							
Observation port	5	4	16	12	10	16	13	14	11	13	5	16
Profile thermocouple		16	1	4	1							
Prototype salt well (S-111)							2					
Pump (other)	8		3	4	3	3	1	9			2	
Recirculating nozzle (SX-104) (dipleg?)								2		4		
Salt well pump	2	3	9	6	7	4	12	5	7	12	2	7
Salt well						3			6	1		
Self concentrator (SX-101)								1				
Sluice pump (T-101)									1	1		
Sludge pump				1		4						8
Sludge jet						4						
Sludge level monitor	5	9	1	1	4						1	
Sludge measurement port (probe)	2						28			1	1	3
Sludge temperature indicator (sludge thermo?)	1							8				
Sluicer	1	2	4	8		7			1	4		18
Slurry pump					1					1		

Single-Shell Tank Equipment List. (3 sheets)

Equipment Description	A (6)	AX (4)	B (16)	BX (12)	BY (12)	C (16)	S (12)	SX (15)	T (16)	TX (18)	TY (6)	U (16)
Slurry distributor	1						10	1				
Special probe (C-103)						1						
Steam coil		3										
Supernate pump					1					1		
Tank pressure		2										
Temperature controller												
Temperature element		12				8						
Temperature probe (manual) (S-104)							1					
Thermoconductivity probe (SX-109)								2				
Thermocouple	14	4	15	10	5	8	12	72	11	16	5	14
Thermocouple (in place) (T-201)									2			
Thermocouple stringer (T-201)									4			
Transfer pump			1		1							

This page intentionally left blank.

DISTRIBUTION SHEET

To	From	Page 1 of 1
Distribution	G. W. Reddick	Date 8/27/96
Project Title/Work Order		EDT No. 617628
Bases for Solid Waste Volume Estimates for Tank Waste Remediation System, WHC-SD-WM-TI-777, Rev. 0		ECN No.

Name	MSIN	Text With All Attach.	Text Only	Attach./ Appendix Only	EDT/ECN Only
Central Files (2)	A3-88	X			
DOE Reading Room	A1-65	X			
S. K. Baker	H5-49	X			
P. A. Gagnon	S6-31	X			
J. S. Garfield	H5-49	X			
J. O. Honeyman	G3-21	X			
E. J. Kosiancic	H5-61	X			
R. P. Marshall	H5-61	X			
G. W. Reddick (3)	H5-49	X			
O. J. Valero	T3-01	X			