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VOLUME SUMMARY VOLUME I

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FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary Volume I

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Waste Management

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EXECUTIVE SUMMARY

Solid waste forecast volumes to be generated or received at Westinghouse Hanford Company's Solid Waste program over the life cycle of the site are described in this report. Previous forecast summary reports have covered only a 30-year period ; however, the life-cycle approach was adopted for this FY1996 report to ensure consistency with waste volumes reported in the 1996 Multi-Year Program Plans (MYPP). The volume data were collected on a life-cycle basis from onsite and offsite waste generators who currently ship or plan to ship solid waste to the Solid Waste program.

The volumes described in detail are low-level mixed waste (LLMW) and transuranic/transuranic-mixed (TRU(M)) waste. The volumes reported in this document represent the external volume of the containers selected to ship the waste. Summary level information pertaining to low-level waste (LLW) is described in Appendix B. Hazardous waste volumes are also provided in Appendices E and F but are not described in detail since they will be managed by a commercial facility. Emphasis is placed on LLMW and TRU(M) waste because it will require processing and storage at Hanford Solid Waste's Central Waste Complex (CWC) prior to final disposal. The LLW will generally be sent directly to disposal.

The total baseline volume of LLMW and TRU(M) waste forecast to be received by the Solid Waste program (until 2070) is approximately 100,900 cubic meters. This total waste volume is composed of the following waste categories:

- 77,080 cubic meters of LLMW
- 23,180 cubic meters of TRU(M)
- 640 cubic meters of greater-than-class III LLMW.

This total is about 40% of the total volume reported last year (FY1995) as displayed in the following table:

FY1995 and FY1996 Forecast Volumes by Waste Category

Waste Category	FY1995 Reported Forecast Volume (cubic meters)	FY1996 Reported Forecast Volume (cubic meters)
LLMW	182,790	77,080
TRU(M)	46,730	23,180
LLMW_GTCIII	6,040	640
Total	235,560	100,900

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

The two major contributors to this reduction in forecast volume are the Environmental Restoration program and the Tank Waste Remediation System (TWRS) as shown in the following:

FY1995 and FY1996 Forecast Volumes by Major Contributing Programs

Program	FY1995 Reported Forecast Volume (cubic meters)	FY1996 Reported Forecast Volume (cubic meters)
Environmental Restoration	106,310	1,980
TWRS	98,090	64,170
Total	204,400	66,150

The Environmental Restoration program has significantly reduced their forecast waste shipments to the CWC due to current plans to manage most of their future generated waste in their own facility. The solid waste will still be generated but managed outside of the Solid Waste program; thus, the volumes are not reported in this document. The TWRS waste volume reduction results primarily from the design of a more efficient long-length equipment container which dramatically reduces the external volume of the waste container.

The TWRS program is the largest single contributor to this year's forecast waste volumes. The following table displays the amount and percentage of LLMW and TRU(M) waste expected from each program:

FY1996 Reported Forecast Volumes and Percentages by Program

Program	Amount of Waste (cubic meters)	Percentage of Waste
TWRS	64,170	64%
Facility Transitions	11,370	11%
Non-Programmatic	8,590	8%
Liquid Effluent	5,620	5%
PNNL	3,740	4%
Environmental Restoration	1,980	2%
Offsite	340	<1%
Other Programs	5,090	5%
Total	100,900	100%

The total baseline volume of LLMW and TRU(M) waste expected to be received at the CWC over the remaining life cycle of the site (until 2070) is forecast to be about 100,900 cubic meters. Based on ranges provided by the waste generators, this baseline volume could fluctuate between a minimum of about 59,720 cubic meters and a maximum of about 152,170 cubic meters. The range is primarily due to uncertainties associated with the Tank Waste Remediation System (TWRS) program. Uncertainties include the retrieval of the long-length equipment, scheduling, and tank retrieval technologies.

The data reported in this document establish a starting point for solid waste management and planning, and will be used in revisions to the Solid Waste Program Technical Baseline Description, WHC-SD-WM-RPT-060. Forecast estimates will vary as facility planning and missions are more clearly defined. However, the information provided is useful in obtaining insights into Hanford's future solid waste management requirements. The Solid Waste Disposal Division is continuing in ongoing efforts—such as onsite program integration meetings—to develop consistency between the individual waste generators and program volume forecasts. In addition, the Division is supporting continued development of an electronic data collection tool and other program support to facilitate data reporting and analysis. These and other activities are being implemented in order to improve the overall accuracy and timeliness of the solid waste forecasts.

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LIST OF ABBREVIATIONS

BEMR	Baseline Environmental Management Report
BHI	Bechtel Hanford Incorporated
BQUIP	Buried Equipment
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CH	contact-handled
Cs	cesium
CWC	Central Waste Complex
D&D	decontamination and decommissioning
DOE	U.S. Department of Energy
DST	double-shell tank
EM	DOE Office of Environmental Management
ER	environmental restoration (also refers to the Environmental Restoration program)
ERDF	Environmental Restoration Disposal Facility
ETF	Effluent Treatment Facility
FFTF	Fast Flux Test Facility
FMEF	Fuels Material and Examination Facility
FY	fiscal year
GTCIII	greater than Category III
HELD	waste that is expected to be shipped to CWC, but that does not have a shipping schedule
HEPA	High Efficiency Particulate Air (filter)
HLVP	High-Level Vitrification Plant
HLW	high-level waste
LERF	Liquid Effluent Retention Facility
LLE	long-length contaminated equipment
LLMW	low-level mixed waste
LLVP	Low-Level Vitrification Plant
LLW	low-level waste
M&I	maintenance and integration
mrem	milli-rem

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MUSTs	miscellaneous underground storage tanks
MYPP	Multi-Year Program Plan
nCi	nanocurie
PFP	Plutonium Finishing Plant
PNNL	Pacific Northwest National Laboratory
R&D	research and development
RCRA	Resource Conservation and Recovery Act
RH	remote-handled
SNF	spent nuclear fuel (also refers to the Spent Nuclear Fuel program)
Sr	strontium
SST	single-shell tank
STP	Site Treatment Plan
SWIFT	Solid Waste Information Forecasting Tool
TEDF	Treated Effluent Disposal Facility
TFTR	Tokamak Fusion Test Reactor
TRU(M)	transuranic (both non-mixed and mixed)
TRUSAF	TRU Storage and Assay Facility
TSD	treatment, storage, and disposal
TWRS	Tank Waste Remediation System
WAC	Washington Administrative Code
WATS	Waste Acid Treatment System
WESF	Waste Encapsulation and Storage Facility
WHC	Westinghouse Hanford Company
WSCF	Waste Sampling and Characterization

1. INTRODUCTION

For the past six years, a waste volume forecast has been collected annually from onsite and offsite generators that are currently shipping or are planning to ship waste to the Hanford Solid Waste program's Central Waste Complex (CWC). The waste is generated from ongoing operations and maintenance activities, deactivation activities, decontamination and decommissioning (D&D) of facilities, and environmental restoration (ER) activities. The generators provide details about the amount of waste to be generated each year, the containers that will be used to ship the waste and the specific waste characteristics that help determine the proper treatment, storage, and disposal (TSD) requirements for the waste.

This document, prepared by Pacific Northwest National Laboratory (PNNL) under the direction of Westinghouse Hanford Company (WHC), provides the FY1996 update of the annual external low-level mixed waste (LLMW) and transuranic (both non-mixed and mixed) solid waste (TRU(M)) volumes expected to be managed by Hanford's Solid Waste Central Waste Complex (CWC) throughout the remaining life cycle of the site (assumed to extend from 1996 through 2070).¹ Previous documents have reported forecast waste volumes for a 30-year period; however, the life-cycle approach was adopted this year to maintain consistency with the FY1996 Multi-Year Program Plans (MYPP). The waste generation sources and waste categories are also described in this document.

This document is intended to be used as a reference for short- and long-term planning of WHC Solid Waste Disposal Division's TSD activities over the next several decades. Facility planners can use this document to:

- determine the timing of key waste management activities,
- evaluate alternative treatment strategies, and
- plan storage and disposal capacities.

The data from this report will also provide a planning baseline for future revisions of the Solid Waste Program Technical Baseline Description, WHC-SD-RPT-060. Lastly, this document can be used by other waste sites and the general public to gain a better understanding of the types and volumes of waste that will be managed by WHC Solid Waste at the CWC throughout its remaining life cycle.

This FY1996 update, which is primarily based upon data collected at the end of 1995, provides information on the annual LLMW and TRU(M) waste volumes through the life cycle of all generating facilities.² In particular, the report focuses on contact-handled, remote-handled, and greater than Class III LLMW, as well as contact-handled and remote-handled TRU(M) waste. A summary of the expected low-level waste (LLW) volumes has also been provided as Appendix B. Forecast data on hazardous waste are not described in detail but data are reported in

¹ Throughout this document, all years reported refer to fiscal years, unless otherwise noted.

² Some generators that did not participate in the forecast data call are included in this report, based on their inclusion in the MYPP.

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Appendices E and F. Additional documents will follow that describe the waste characteristics and container types associated with each waste category.

Some important changes to the forecast process were made that are reflected in this year's report. As was the case in previous years, activities were undertaken to improve data quality and provide the data to the users in a more timely manner. These improvements included data collection improvements, onsite program integration meetings to improve data quality, and a shift to life-cycle estimates instead of 30-year forecasts, consistent with other Hanford Site planning cycles. The key activities are as follows:

Data Collection Improvements

This year's data collection effort included the first-time use of an electronic data collection tool, the Solid Waste Information Forecasting Tool (SWIFT). Generators reported that SWIFT facilitated data reporting by providing a guided input path, alerted the user of data errors, and led to a significant time savings in reporting forecast data. The Solid Waste staff anticipates that this added ease and speed of data reporting will support improved data quality.

Onsite Program Integration

This year saw a continuation of the extensive programmatic document review started in FY1995, that was conducted to identify programmatic primary activities that are not forecast completely or accurately. The document review focused on identifying the complete life cycle of each primary activity within a program. The document review findings were incorporated into the appropriate waste generator's forecast and result in a more accurate forecast data set. For example, Spent Nuclear Fuel (SNF) disposition activities were not previously forecast; however, as a result of the onsite program integration efforts, forecast estimates are currently included.

Shift to Life-Cycle Estimates Consistent with MYPP Planning

For the first five years of the forecast process, generators were asked each year to provide a forecast covering a 30 year timeframe, which was chosen to provide sufficient lead time for adequate planning purposes (Valero, et al., 1995). For this year's planning baseline, the forecast process was modified to collect a full life-cycle forecast, based on each generator's life-cycle assumptions provided in their respective Multi-Year Program Plan (MYPP) and other program documents. This change allows for the forecast process to support and dovetail with other important life-cycle data collection efforts at the site, including the Baseline Environmental Management Report and other U.S. Department of Energy (DOE) data reporting requirements. Because the life cycle of the Hanford site has been assumed to end in 2070, this date represents an overall end date for waste generation and management at the site. As a part of this shift to life-cycle estimates, the forecast data were validated against MYPP assumptions to insure consistency across the various data calls. **Necessary modifications were directed by the responsible program; thus no modifications were made without prior approval or guidance.**

1.1. MAJOR HANFORD PROGRAM AREAS

The waste volumes described in this document are subdivided into five major program areas that were derived from the Hanford Site Multi-Year Program Plans. In addition, three general

program groups were defined. For the purposes of this document, waste generators that could not be assigned to specific program areas were included under Non-Programmatic. Offsite waste generators were grouped under the program area Offsite Waste Generators. In addition, several programs that generate minimal amounts of LLMW and TRU(M) solid waste have been grouped into Other Programs.

Chapters 3 through 10 provide specific information for each of the five major programs and the three general program groups. The five major program areas are:

Tank Waste Remediation System (TWRS)

Solid waste from this program is generated by current tank farm operations, retrieval of existing tank farm long-length contaminated equipment, retrieval pumps, miscellaneous equipment that will be used for retrieval of tank waste, and future tank waste treatment projects. The life cycle of TWRS program extends to 2028.

Transition Facilities

The Transition Facilities' mission is to manage the deactivation activities of those facilities that are no longer in the operational phase. This program currently consists of six waste-generating facilities: the Plutonium Finishing Plant (PFP), B-Plant, PUREX, the Fast Flux Test Facility (FFTF), the Large Sodium Fire Facility, and the 300 Area Fuel Supply. The types of waste generated within this program can be operational waste, deactivation waste, and surveillance & maintenance waste. The life cycle of the Facility Transitions program currently extends to 2034 and may extend further as additional facilities are transitioned.

Liquid Effluent

Liquid effluent waste results from current treatment, interim storage, and disposal of liquid effluents in the 300 Area, as well as effluent treatment and disposal activities in the 200 Area. The life cycle of liquid effluent program extends to 2033.

Pacific Northwest National Laboratory (PNNL)

PNNL's wastes are varied in nature and are associated with research and development activities conducted at the Hanford Site. Solid waste is generated during research and decontamination activities. The life cycle of PNNL's programs extends to 2070.

Environmental Restoration (ER)

This program includes both D&D of Hanford facilities and remediation of past practice sites. Only TRU(M) waste generated by ER will be managed by Solid Waste; however, small amounts of LLMW and LLW will be managed by Solid Waste until the Environmental Restoration Disposal Facility (ERDF) is operational. The waste that is managed by Solid Waste will result from D&D of B Plant, REDOX, PFP, N-Reactor basins, and the 618 burial grounds. The life cycle of the ER program currently extends to 2046. (This could be extended as more facilities are added.)

The three general program groups are:

Non-Programmatic

Several waste generators that forecast future solid waste are not within a Hanford program (i.e., they are not discussed specifically within any of the Hanford Multi-Year Program Plans). Included in this grouping are those facilities that will require deactivation in the future, but that have not been claimed by any program for this phase of the life cycle. In

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addition, Buried Equipment is grouped under Non-Programmatic since a specific program does not have responsibility for managing this existing waste. The life cycle of non-programmatic waste generators extends to 2037.

Offsite Facilities

Several offsite facilities have been certified to ship waste to the Hanford Site. Most offsite waste generators are national laboratories, universities, or gaseous diffusion plants conducting activities such as research, ER, D&D, and operations/maintenance. LLMW and TRU(M) waste will continue to be received through 2030. (Meanwhile, LLW will be received through 2070.)

Other Programs

Several Hanford programs have forecast minimal solid waste volumes; therefore, these programs have been grouped into Other Programs. Analytical Services, RCRA Monitoring, Spent Nuclear Fuel (only that stored at K-Basins), and Solid Waste (secondary solid waste generated during operations of the TSD facilities) have been included in Other Programs. The life cycle of other programs waste generators extends to 2070.

Table 1.1 lists the current number of solid waste generators and the DOE program office sponsor for each program.

Table 1.1: Current Number of Waste Generators and the DOE Program Office Sponsor for Each Program

Program	Number of Generators	DOE Program Office Sponsor
TWRS	13	EM-30
Facility Transitions	5	EM-60
Liquid Effluent	3	EM-30
PNNL	1	EM-30
Environmental Restoration	1	EM-40
Non-Programmatic	16	Undetermined
Offsite	23	EM-30, EM-40
Other	13	EM-30

1.2. WASTE CATEGORIES

Solid waste can be characterized into five categories. These categories, which will be used to define the waste volumes throughout the document, are briefly described in Table 1.2. These definitions are applicable specifically to forecast waste, and are based on WHC-EP-0063.4.

Table 1.2: Waste Category Definitions

	CH_LLMW	RH_LLMW	CH_TRU(M)	RH_TRU(M)	LLMW_GTCIII
Dose rate ^(a)	<= 200 mrem/h	> 200 mrem/h	<= 200 mrem/h	> 200 mrem/h	Varies
Dangerous per WAC 173-303	Yes	Yes	Yes (TRU(M)) No (TRU)	Yes (TRU(M)) No (TRU)	Yes
Transuranic or spent nuclear fuel	No	No	Yes	Yes	No
> 100 nCi/g ^(b) alpha-emitting isotopes (atomic numbers > 92 & half-lives > 20 years)	No	No	Yes	Yes	No

(a) <= less than or equal to

> greater than

(b) nanocuries per gram

Contact-handled low-level mixed waste (CH_LLMW)

This waste has a dose rate equal to or less than 200 mrem/h and contains radioactivity not classified as transuranic waste or spent nuclear fuel (concentrations of transuranic radionuclides less than or equal to 100 nCi/g of the waste matrix). The waste is also defined as dangerous (hazardous) waste in the Washington Administrative Code (WAC) 173-303.

Remote-handled low-level mixed waste (RH_LLMW)

This waste has a dose rate greater than 200 mrem/h and meets the definition for LLW. This waste is also defined as dangerous (hazardous) waste in WAC 173-303.

Contact-handled transuranic or transuranic mixed waste (CH_TRU(M))

This radioactive waste has a dose rate equal to or less than 200 mrem/h at contact with the waste container. At the time of assay, this waste contains more than 100 nCi/g of alpha-emitting isotopes with atomic numbers greater than 92 and half-lives greater than 20 years. TRUM waste is TRU waste that is also dangerous (hazardous) waste as defined in WAC 173-303.

Remote-handled transuranic or transuranic mixed waste (RH_TRU(M))

This waste has a dose rate greater than 200 mrem/h at contact with the waste container. At the time of assay, this waste contains more than 100 nCi/g of alpha-emitting isotopes with atomic numbers greater than 92 and half-lives greater than 20 years. TRUM waste is TRU waste that is also dangerous (hazardous) waste as defined in WAC 173-303.

Low-level mixed waste greater than Class III (LLMW_GTCIII)

This waste meets the definition for LLW and is also defined as dangerous (hazardous) waste in WAC 173-303. Greater-than-Class III (GTCIII) designation is determined when the sum of the fractions of the radionuclides' Class III concentration limits are greater than one, as defined in the *Hanford Site Solid Waste Acceptance Criteria*, WHC-EP-0063 Rev. 4, November 1993.

Contact-handled (CH) and remote-handled (RH) waste are considered distinct categories, based on the inherent characteristics of the waste. However, in a few instances, generators have reported RH waste that is shielded to CH levels as CH waste.

In addition to the above waste categories, another key definition concerns **Held waste**. Held waste is existing generated waste with no current shipping schedule.

1.3. WASTE GENERATOR LIFE-CYCLE PHASES

Most waste generators within the major Hanford programs undergo four life-cycle phases. The phases are described below:

Operational

This phase is defined as that period of time in which a waste generator's activities are targeted toward a certain plan, project, end-product, or service. Often the type of operational activity can allow a waste generator to be categorized into a specific program area.

Transition (deactivation)

This phase is distinguished by specific deactivation activities to eventually turn over the facility to the D&D program. Facilities in the deactivation phase are generally the responsibility of the Facility Transitions program.

Surveillance & Maintenance

This phase is defined as that period of time between the completion of transition (deactivation) and the commencement of D&D. Programmatic responsibility for waste generated in this phase is currently the responsibility of the Environmental Restoration program.

Decontamination and decommissioning (D&D)

This phase is defined as that period in which the facility and affected environment is completely remediated after deactivation has occurred. Facilities in this phase are the responsibility of the Environmental Restoration (ER) program (managed by Bechtel).

As illustrated in Figure 1.1, the four life-cycle phases are important in that each phase may determine the program that is responsible for the waste generator. For example, if a facility within Liquid Effluents transitions into a deactivation mode, then responsibility for the facility would generally be transferred from Liquid Effluents to the Facility Transitions program.

Figure 1.1: Waste Generator Life-Cycle Phases

1.4. ORGANIZATION OF THE REPORT

The remainder of this report is organized as follows:

Chapter 2 provides an overview of the life-cycle waste volumes. This chapter discusses some of the issues in data quality affecting the overall forecasting process, as well as the issue of data completeness across all programs.

Chapters 3 through 10 provide more detailed descriptions of each of the eight major Hanford program areas. Each section provides a description of the program area, profiles of the primary waste generators, and total and annual waste category volumes for both the program area and specific generators.

The appendices provide additional supporting information. Appendix A provides a comprehensive listing of the total life-cycle waste volumes projected by each generator. Low-level waste (LLW) volumes are reported in Appendix B. Appendix C includes a list of standard reports available from the Solid Waste Forecast Database. Appendix D provides the waste generator list by Hanford program area. Finally, Appendices E, F, and G have been prepared as a separate volume. Appendices E and F include detailed information on annual waste volumes by generator for each waste category, and annual waste volumes by waste category for each generator, respectively. Appendix G lists the individual facilities included in each generator's forecast.

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2. OVERVIEW OF LIFE-CYCLE WASTE VOLUMES

This section provides an overview of the solid waste volumes expected to be shipped to the Hanford Site by onsite and offsite waste generators over each generator's lifetime. These waste volumes are being sent or are planned to be shipped to WHC Solid Waste for treatment, storage, and disposal. The waste ranges from LLMW that can be treated and sent to the Hanford burial grounds to TRU(M) waste that will require repackaging and certification prior to being shipped offsite to the Waste Isolation Pilot Plant.

2.1. FORECAST WASTE VOLUMES

The total volume of LLMW and TRU(M) waste expected at the Hanford Site over the life cycle is approximately 100,900 cubic meters. The volume information by major Hanford program and by the four waste categories are provided in the following sections.

2.1.1. Waste Volumes by Major Hanford Programs

Figure 2.1 shows the cumulative baseline, minimum, and maximum LLMW and TRU(M) waste volumes that are expected to be generated by the eight major programs areas. The baseline total of 100,900 cubic meters is divided among the programs as follows:

- TWRS—64%
- Facility Transitions—11%
- Non-Programmatic Generators—8%
- Liquid Effluent—5%
- Other Programs—5%
- PNNL—4%
- Environmental Restoration—2%
- Offsite Programs—less than 1%

Figure 2.1 also shows the minimum and maximum forecast variations from the baseline. The minimum total of 59,720 cubic meters shown is due to a decrease in the baseline for TWRS and Facility Transitions. The TWRS minimum estimate is driven by possible variations of the volume of long-length contaminated equipment being sent to the CWC. Facility Transitions' minimum estimate is driven by the uncertainty of PFP being closed down permanently without completing deactivation. The maximum total of 152,170 cubic meters displays an increase in TWRS solid waste generation due to uncertainties associated with future waste generation. Also showing significant increases in maximum forecasts are Liquid Effluent, Facility Transitions, and PNNL. All other programs essentially maintain their baseline with slight fluctuations in the minimum and maximum estimates to account for any uncertainties commonly associated with future forecasts such as schedule delays or slight mission modifications.

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Figure 2.1: Life-Cycle Solid LLMW and TRU(M) Waste Volumes by Programs (Minimum, Baseline, Maximum)

It is important to note that the minimum and maximum volumes reported here reflect only ranges provided by generators that completed this year's Solid Waste Forecast Data Request. For all other generators, the minimum and maximum volumes were assumed to be the same as the baseline. This is especially true for the Environmental Restoration program area and the Non-Programmatic grouping. The majority of the waste generators in these program areas did not provide ranges, thus baseline, minimum, and maximum volumes are assumed to be the same.

2.1.2. Waste Volumes by Waste Category

Figure 2.2 is provided to illustrate the overall waste category volumes expected to be managed at the CWC. According to the baseline volume, the majority of the waste will be contact-handled LLMW, which is expected to exceed 73,040 cubic meters over the life cycle. The minimum estimates display contact-handled LLMW generation to be approximately 43,550 cubic meters, while the maximum estimate displays 104,750 cubic meters to be generated. In all scenarios, contact-handled LLMW is the primary waste category that is expected to be received at the CWC. The second largest waste category under all scenarios is RH_TRU(M) waste, with an estimated 13,350 cubic meters to be generated.

Figure 2.2: Life-Cycle Solid LLMW and TRU(M) Waste Volumes by Waste Categories (Minimum, Baseline, Maximum)

The following is a summary of the annual waste generation for each waste category and the primary contributors to that waste generation.

Contact-Handled LLMW:

Figure 2.3 shows contact-handled LLMW baseline volumes gradually increasing from 1996 through 2016, peaking at approximately 4,000 cubic meters in 2016. The waste volumes increase significantly during this time period due to TWRS activities. The minimum volume shows contact-handled LLMW peaking at 2,490 cubic meters in 2016. The minimum volume is driven by a TWRS scenario that anticipates a decrease in retrieval of TWRS long-length contaminated equipment. The maximum volume peaks at approximately 5,620 cubic meters.

Figure 2.3: Contact-Handled LLMW Annual Waste Volumes (Baseline, Maximum, Minimum)

Remote-Handled LLMW:

Figure 2.4 displays the baseline, minimum, and maximum volumes for remote-handled LLMW. This figure shows two significant peaks. The first peak occurs in 2001, with a baseline volume of about 220 cubic meters, and the second in 2012, with a baseline volume of about 560 cubic meters. In between these peaks is a fairly constant level of waste generation at about 110 cubic meters. These peaks are driven by Single and Double Shell Tank Retrieval within the TWRS program.

Figure 2.4: Remote-Handled LLMW Annual Waste Volumes (Baseline, Maximum, Minimum)

Contact-Handled TRU(M):

Figure 2.5 shows contact-handled TRU(M) baseline waste volumes fluctuate below 500 cubic meters until 2021, when the volumes increase to approximately 690 cubic meters. This volume will result primarily from the deactivation of the Plutonium Finishing Plant (PFP). The High-Level Vitrification Plant (HLVP) contributes to the peaks starting in 2009. The minimum volume varies between 30-75% of the baseline. The maximum volume varies between 120-200% of the baseline.

Figure 2.5: Contact-Handled TRU(M) Annual Waste Volumes (Baseline, Maximum, Minimum)

Remote-Handled TRU(M):

Figure 2.6 displays the remote-handled TRU(M) baseline, minimum, and maximum waste volumes. The figure shows that the baseline volume gradually increases between 1996 and 2016 to 1,020 cubic meters. Similarly, the minimum volume approaches 600 cubic meters and the maximum volume peaks at 1,510 cubic meters. The peak in 2016 is driven by the expected retrieval of the long-length equipment from the Single-Shell Tanks.

Figure 2.6: Remote-Handled TRU(M) Annual Waste Volumes (Baseline, Maximum, Minimum)

LLMW_GTCIII:

Figure 2.7 displays the LLMW_GTCIII baseline, minimum and maximum waste volumes. The figure shows a constant baseline volume generation at 15 cubic meters from 1996 to 2007 and 2011 to 2030. These wastes are generated from operations at PNNL. Between 2008 to 2010 the baseline volume increases to 60 cubic meters from the double shell tank retrieval within the TWRS program. From 2011 to the end of the life cycle in 2030 the waste volume reverts back to 15 cubic meters from the constant waste generation at PNNL. The maximum and minimum volumes are constant at 200% and 50% of the baseline, respectively.

Figure 2.7: LLMW_GTCIII Annual Waste Volumes (Baseline, Maximum, Minimum)

2.2. COMPARISON TO 1995 FORECAST VOLUMES

Last year's solid waste volume forecast, the *1995 Solid Waste 30-Year Volume Summary* (Valero, et al., 1995), reported that the total LLMW and TRU(M) solid waste for the time period of 1995 through 2024 was expected to be approximately 235,560 cubic meters. However, this year's solid waste forecast data report 100,900 cubic meters of LLMW, TRU(M), and LLMW_GTCIII from 1996 to the end of each program's life cycle. This is a difference of approximately 134,660 cubic meters from last year's Solid Waste Forecast despite the extension from a 30-year forecast to a life-cycle forecast. The major reasons for the decrease in forecast volumes are:

- The Environmental Restoration program will be managing most of the LLMW that was previously forecast and has reduced the amount of TRU(M) that was forecast last year. This accounts for approximately 104,300 cubic meters of waste that Solid Waste will not be managing.
- Single-Shell Tank Long-Length Equipment has designed a more efficient long-length equipment container which resulted in a total forecast reduction of 37,600 cubic meters.
- Elimination of the majority of offsite LLMW caused a reduction of approximately 14,000 cubic meters. Only offsite generators with approved STPs will be allowed to ship to Hanford.
- Although changed to life-cycle, the majority of generators will complete missions by 2025.

2.3. DATA OBSERVATIONS

Data presented in this report establish a starting point from which solid waste management plans can be developed, alternative planning scenarios can be evaluated, and full-scale design for specific TSD facilities can be initiated. The volumes in this report are believed to provide a reasonable estimate of the waste that will be managed at the CWC. Although missions and programs will continue to change, analysis of the primary waste sources indicates that some potential waste streams have not been forecast. This indicates that volumes have a potential to increase over time. However, several scenarios are being considered within TWRS and Facility Transitions that could cause a decrease in waste volumes. The factors that could cause significant volume increases or decreases are summarized below.

TWRS

The potential scenario that assumes that some of the long-length contaminated equipment may not require retrieval could significantly decrease current forecast waste volumes. Meanwhile, two other scenarios could somewhat increase waste volumes. No solid waste estimation has been made for secondary solid waste streams resulting from the D&D of the tank farms and the private treatment facilities (i.e., HLVP, LLVP, Pretreatment Facility). In addition, solid waste generated during the retrieval and packaging of the Cesium/Strontium capsules has not been forecast.

Facility Transitions

The only significant impact is the potential for PFP to close without further deactivation causing a reduction in forecast estimates. This scenario is unlikely, however. More generally,

waste currently reported as Non-Programmatic may change to Facility Transitions but overall volumes are not likely to change.

Environmental Restoration

Only TRU(M) waste is expected to be sent from the Environmental Restoration program to the Solid Waste program, although slight amounts of LLMW and LLW are expected prior to the operations of the Environmental Restoration Disposal Facility (ERDF). Only five projects have been forecast to generate potential TRU(M) waste streams, however, this volume could increase if the deactivation activities do not remove all TRU(M) waste prior to D&D. In addition, if the opening of ERDF is postponed, LLW and LLMW may be sent to Solid Waste. Currently, all LLMW generation by EM-40 after FY1996 is expected to be considered CERCLA waste and sent to ERDF. If some of this waste is considered RCRA, it will have to be sent to SW for disposition.

Offsite Waste Generators

Additional LLMW volumes may be sent by offsite waste generators once Site Treatment Plans are accepted, causing a slight increase in forecast waste volumes.

Other Programs

Waste for these programs seems to be completely forecast; however, the deactivation and eventually D&D has not been forecast for the Spent Nuclear Fuel program and Solid Waste program. In addition, the K-Basin sludge is currently planned for shipment to the tank farms; however, a potential scenario could be grouting the sludge for shipment to the CWC. If this scenario is selected, about 2,000 cubic meters of remote-handled TRU(M) could be transferred to Solid Waste in FY1999 - 2000.

Non-Programmatic, Liquid Effluent, and PNNL

The potential for these programs to significantly impact the solid waste system is minimal.

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3. TANK WASTE REMEDIATION SYSTEM (TWRS)

This section provides known life-cycle volumes and waste generator descriptions for LLMW and TRU(M) solid waste expected from the tank farms. The waste results from:

- current tank farm operations,
- retrieval of existing tank farm long-length equipment,
- retrieval pumps and miscellaneous equipment that will be used for retrieval of tank waste, and
- secondary waste from future tank waste treatment projects.

Decontamination and decommissioning (D&D) waste is not included in the life-cycle volumes, however, these volumes are expected to be managed by EM-30 since the waste will be considered RCRA waste.

3.1. OVERVIEW

Analysis of the forecast TWRS LLMW and TRU(M) life-cycle solid waste volumes indicates:

- Total life-cycle waste volumes decreased from 98,090 cubic meters reported in FY1995 to 64,170 cubic meters reported in FY1996, primarily due to redesigned containers used for single-shell tank (SST) long-length equipment retrieval activities.
- Contact-handled LLMW accounts for 72% of forecast TWRS waste. Some of this waste may be remote-handled waste shielded to contact-handled levels.
- The activities associated with retrieval of SST long-length equipment are forecast to generate 67% of all TWRS LLMW and TRU(M) waste.
- TWRS operational phase will end in 2028.
- D&D of the tanks and treatment facilities are not included in the forecast life-cycle volumes. It is expected that this waste will be managed by the Solid Waste Program since the waste will be regulated under the Resource Conservation and Recovery Act (RCRA).
- Solid waste generated during the disposition of the Cesium/Strontium (Cs/Sr) capsules has not been forecast in these life-cycle volumes.
- There is less confidence in forecast volumes generated by SST long-length equipment retrieval than in FY1995, as indicated by the spread between minimum and maximum forecast volumes.
- It may be important to closely monitor TWRS SST activities, since SST-related activities are expected to generate a majority of the waste expected to be sent to the CWC.

3.2. BACKGROUND

The TWRS program mission is to store, treat, and immobilize highly radioactive Hanford waste in an environmentally sound, safe, and cost-effective manner. Tank waste includes current tank waste, future tank waste, and the Cs/Sr capsules currently stored at the Waste Encapsulation and

Storage Facility (WESF) (Valero, et al., 1995). Completion of this mission will be performed by the maintenance and integration (M&I) contractor, which is currently WHC, and a private contractor that has not been determined. Privatization will be performed in two phases. The scope in Phase 1 includes privatization of pretreatment, low-level waste (LLW) immobilization, and an optional high-level waste (HLW) immobilization to the extent that proof of concept is established. Phase 2 will include privatization of tank waste retrieval, interim storage of wastes, pretreatment, LLW/HLW immobilization, disposition of Cs/Sr capsules, and interim storage of immobilized wastes. Decontaminating and decommissioning equipment and treatment facilities is also the responsibility of the private contractor. All secondary waste disposition is the responsibility of M&I contractor; however, the secondary waste generated during D&D has not been estimated.

The TWRS program has four primary activities identified in the *Tank Waste Remediation System Baseline System Description* (1995) that could generate solid waste: managing tank waste, retrieving tank waste, processing tank waste, and disposing of secondary generated waste. The tasks included under each of these primary activities are listed below. Each of these primary activities is expected to generate solid waste that could potentially be managed at the CWC.

- **Manage Tank Waste**

This activity includes tank farm operations and upgrades, waste tank safety and characterization, waste transfer, and waste concentration. This activity will be performed by the M&I contractor. All potential solid waste that could be generated from this activity has been forecast.

- **Retrieve Tank Waste:**

This activity will hydraulically retrieve waste from the single-shell tanks and double-shell tanks. The retrieval method for the miscellaneous underground storage tanks (MUSTs) will be determined by the private contractor. This activity will be performed by the M&I contractor during the proof-of concept phase (Phase 1) and the private contractor during Phase 2. The solid waste generated during this activity includes primarily the long-length contaminated equipment (LLE). The volume of LLE shipped to the CWC is dependent on the retrieval technology and may vary once the final technologies are selected.

- **Process Waste**

This activity includes preparing the Cs/Sr capsules for disposal, tank waste pretreatment, LLW immobilization, HLW immobilization, and storage of in-process waste. The private contractor is responsible for designing the pretreatment and immobilization technologies. Solid waste resulting from operations and interim storage has been adequately forecast; however, the volumes may fluctuate once the final technology has been determined. Potential solid waste generated during the disposition of the Cs/Sr capsules has not been forecast.

- **Dispose of Waste:**

The main tasks associated with this primary activity are interim storage of solidified waste, disposal of immobilized LLW, and closure of the MUSTs. The M&I contractor is responsible for completing these tasks. Large volumes of solid waste are not expected from these activities; therefore, forecasts have not been provided.

The data reported in this section were obtained from the annual Solid Waste Forecast data call, however, several changes were incorporated based on guidance provided by the TWRS program. The changes were necessary to fulfill the Multi-Year Program Plan (MYPP) and Baseline Environmental Management Report (BEMR) requirements which included life-cycle analysis. The major changes that were incorporated include:

- Extension of the High-Level Vitrification Project, Low-Level Vitrification Project, and Tank Waste Pretreatment Facility from 2025 through 2028 with volumes decreasing linearly in these additional years.
- For SST Long-Length Equipment the contact-handled LLMW volume for 2008 was corrected from 35.6 cubic meters to 835.6 cubic meters.

3.3. TWRS WASTE VOLUMES

The total life-cycle volume of TWRS' LLMW and TRU(M) solid waste is expected to be 64,170 cubic meters, or 63% of the total waste in those categories at the Hanford Site. The total forecast volume is significantly lower than the 98,090 cubic meters reported in FY1995. Much of this decrease is due to lowered volumes anticipated by a single generator, the SST Long Length Contaminated Equipment. Total waste for other generators are comparable to last year's forecasts.

3.3.1. Forecast Volumes by Waste Category

Figure 3.1 displays the overall LLMW and TRU(M) volumes by waste category. As shown in the figure, the majority of the waste (72%) is assumed to be contact-handled. This is primarily because over three-fourths of waste generated by long-length equipment retrieval from the SSTs has been categorized as contact-handled (although it should be noted that this may include some remote-handled waste shielded to contact-handled levels). This activity is also responsible for most of the total TWRS forecast remote-handled TRU(M) waste.

Figure 3.1: TWRS Life-Cycle Waste Volumes by Waste Category

Figure 3.2 shows the forecast of annual TWRS solid waste volumes for the entire life cycle of anticipated LLMW, TRU(M), and LLMW_GTCIII waste streams. There will be a steady increase in the volume of waste generated from 2009 to 2017. This increase corresponds to the time period when the majority of the long-length contaminated equipment in the underground storage tanks are expected to be retrieved. The large decrease in 2018 indicates that all the long-

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length contaminated equipment from the tanks will have been retrieved; however, some residual wastes generated during retrieval will continue to be sent to the CWC for TSD purposes. The remote-handled waste volumes result from retrieval of single-shell tank (SST) and double-shell tank (DST) contaminated equipment and from the High-Level Vitrification Project (HLVP).

Figure 3.2: TWRS Annual Waste Volumes by Waste Category (Life Cycle Ends 2028)

3.3.2. Forecast Volumes by Waste Generator

Figure 3.3 shows that four generators account for 95% of the waste from the TWRS program. SST Long-Length Contaminated Equipment is by far the largest generator of LLMW and TRU(M) waste, generating 67% of the total volume. Other generators contributing significant volumes of waste include SST/DST Tank Farm Operations, the High-Level Vitrification Project, and Tank Farm Restoration.

Figure 3.3: TWRS Life-Cycle Waste Volumes by Generators (LLMW and TRU(M))

Descriptions of the primary waste generators, their respective waste volume forecasts, their assumptions, and their potential waste volume fluctuations are provided below.

SST Long-Length Contaminated Equipment (WHC_SST_LLE)

Current plans for tank farm cleanup call for removing the long-length pieces of contaminated equipment from the tanks and sending this equipment to the CWC for treatment, storage, and disposal. The long-length equipment has been installed in the tanks and is greater than 12 feet in length, with some pieces in excess of 60 feet. Because of the unusual configuration of these wastes, special storage and handling requirements will be necessary. In addition to the equipment currently in the tanks, estimates have been included for pumps and other miscellaneous equipment that will be used for retrieval of tank waste. The retrieval pumps and equipment are also expected to be sent to the CWC for processing and will have many of the same storage and handling requirements as the long-length equipment currently in the tanks.

This generator contributes 67% of the forecast TWRS solid waste, about three quarters of which is anticipated to be CH_LLMW and the remaining quarter is forecast as RH_TRU(M). There is a possibility that only a minimal amount of the long-length contaminated equipment may be sent to the CWC for processing if TWRS is able to treat the tank waste without removing all long-length equipment. This scenario would dramatically reduce the expected volume of waste at the CWC.

The significant drop in total TWRS LLMW and TRU(M) forecast volumes from 98,090 (FY1995) to 64,170 cubic meters (FY1996) is accounted for by a 50% decrease in total forecast volumes for this waste generator; the primary reason for the decrease is a change in the size of the designed containers for the long-length equipment. Although the number of equipment units has not changed significantly, the average volume of the containers for those units is about 50% of the average volume used for prior forecasts.

The minimum range reported for this waste generator is 60% of the baseline volume, and the maximum range is 140% of the baseline. This wide range is due to the consequences of any potential change in equipment removal schedules. A small number of pieces of equipment are scheduled to be removed each year and each piece of equipment generates large volumes of waste. Therefore, if only one piece of equipment were shipped or not shipped outside of the schedule in any given year, the generated waste volumes would be significantly different from what is forecast. However, this waste generator assumed that in all cases the long-length equipment would be retrieved and sent to the CWC. The ranges do not reflect the possible scenario of the equipment not being shipped to the CWC.

SST/DST Tank Farm Operations (WHC_TF_OPER)

The waste generated from this project includes day-to-day operational and maintenance waste from the 200E and 200W tank farm facilities and old tank farm excess equipment. If the generator continues with daily operations and maintenance, the actual waste volumes should be close to the forecast volumes. The minimum range reported for this waste generator is 80%, and the maximum range is 120%. These ranges indicate that the reported baseline volume is considered fairly stable ($\pm 20\%$).

Tank Farm Restoration (WHC_TWP_W314)

This project will involve several upgrades to tank farm infrastructure. Waste generated by this project will typically be contaminated soil, debris from construction activities, and removal of outdated or unused tank farm equipment. This waste generator indicated that maximum waste volumes should not be greater than the reported baseline, however, the

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minimum could be as little as 10%. This range is based on an assumption that little dirt excavation would be needed or that contaminated soil excavated during construction would be put back in as fill.

High Level Vitrification Project (WHC_HLVP)

HLVP is a planned treatment/ processing facility for high activity tank waste, and waste volumes associated with the HLVP are based on preconceptual design criteria and best engineering judgment. Secondary waste will be generated from activities such as spill cleanup and decontamination, general maintenance and housekeeping, and laboratory activities. The waste will generally consist of contaminated failed equipment (not including melters), metals, paper, plastic, rubber, and other miscellaneous debris. The interim storage of in-process waste is also included for this waste generator. The minimum range for this waste generator is 0% in the first year of expected operations (2009) and 50% for the remaining years of operation. The maximum range is 200% for all years of operation. This indicates uncertainty regarding potential project delays, levels of operations and maintenance activities, and their associated effects on waste generation volumes.

Of 13 TWRS generators, 12 forecast LLMW or TRU(M). Table 3.1 shows the waste volumes by waste category forecast by these generators. Major generators of LLMW are SST Long-Length Equipment, Tank Farm Operations, and Tank Farm Restoration. Retrieval of long-length contaminated equipment will generate the largest amount of TRU(M). Only DST retrieval will generate GTCIII waste.

Table 3.1: TWRS Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total^(b)
SST Long Length Equipment	32,980	0	0	10,280	0	43,260
SST/DST Tank Farm Operations	6,830	1,690	0	0	0	8,520
High Level Vitrification Project	800	0	2,170	1,960	0	4,920
Tank Farm Restoration	4,490	0	0	0	0	4,490
SST Retrieval (149 tanks)	860	390	0	0	0	1,250
W343 DST Retrieval (17 tanks)	0	640	0	250	110	1,010
SST Tank 106C Sluicing	270	0	0	0	0	270
DST Retrieval Systems (10 tanks)	0	260	0	0	0	260
DST 101AZ Retrieval (1 tank)	0	110	0	0	0	110
Low Level Vitrification Project	60	0	0	0	0	60
Tank Waste Pretreatment Facility	30	0	0	0	0	30
Aging Waste Transfer Lines	0	0	7	0	0	7
Total^(b)	46,310	3,080	2,180	12,490	110	64,170

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

4. FACILITY TRANSITIONS

This section provides waste volumes and waste generator profiles for the Facility Transitions program. This program currently consists of six waste-generating facilities, five of which generate LLMW and TRU(M): the Plutonium Finishing Plant (PFP), B-Plant, PUREX, FFTF, and the 300 Area Fuel Supply.

4.1. OVERVIEW

Analysis of the Facility Transitions LLMW and TRU(M) life-cycle waste volumes indicates:

- Overall life cycle for Facility Transitions extends to 2034.
- Total life-cycle volume of waste is forecast to be 11,370 cubic meters, or 11% of all LLMW and TRU(M) waste expected at Hanford; the bulk of this is expected to be generated before 2008.
- PFP is forecast to generate 64% of the Facility Transitions waste and has a medium level of confidence in generation schedules and volumes.
- Forecast waste for Facility Transitions is 59% contact-handled LLMW, 35% contact-handled TRU(M), and the remaining 6% is remote-handled LLMW.

4.2. BACKGROUND

The Facility Transitions mission is to manage the deactivation activities of those facilities that are no longer in the operational phase. As stored material and wastes are removed, the facilities will be deactivated and transferred to the D&D program. The overall life cycle for waste generated by Facility Transitions extends to 2034. The types of waste generated within this program can be operational/maintenance waste, deactivation waste, and surveillance & maintenance waste. The generation of the surveillance & maintenance waste is expected to be minimal since the planning baseline for each facility assumes that upon completion of deactivation, the facility will be immediately transferred to the EM-40 contractor for D&D.

The data reported in this section were obtained from the annual Solid Waste Forecast data call. However, several changes were incorporated based on guidance provided by the Facility Transitions program. The changes were necessary to fulfill MYPP and BEMR requirements. The major changes that were incorporated include:

- Modification of the Solid Waste Forecast data for the following facilities based on more accurate volume estimates from the program: 300 Area Fuel Supply, FFTF, B-Plant, and PFP.
- Legacy, 309 Facility, 308 Facility, and 335 Sodium Test Facility have all been included in the FFTF waste generator forecast.

4.3. FACILITY TRANSITIONS WASTE VOLUMES

LLMW and TRU(M) waste generation for the life of the Facility Transitions program is estimated to be 11,370 cubic meters. This waste volume is approximately 11% of the waste in

these categories expected at Hanford for activities forecast through 2034. However, as more facilities transition to deactivation, the expected waste volumes for this program are expected to increase.

4.3.1. Forecast Volumes by Waste Category

The overall solid waste volumes for this program are displayed in Figure 4.1. Fifty-nine percent of the waste is contact-handled LLMW, 35% is contact-handled TRU(M), and 6% remote-handled LLMW. No remote-handled TRU(M) or LLMW_GTCIII wastes are forecast for this program.

Figure 4.1: Facility Transitions Life-Cycle Waste Volumes by Waste Category

Figure 4.2 shows the annual volumes through the life cycle (2034) by waste category. As seen in the figure, most of the waste is generated through 2007, which reflects the majority of PFP's deactivation waste. A peak of approximately 900 cubic meters occurs in 1999 and is driven by PFP deactivation activities. The decrease in waste volume starting in 2008 is a result of the expected completion of most LLMW and TRU(M) waste deactivation activities for PFP. However a forecast increase in PFP activities results in the increase in waste volume to a rate of 400 cubic meters per year between 2025 to 2029.

Figure 4.2: Facility Transitions Annual Waste Volumes by Waste Category (Life Cycle Ends 2034)

4.3.2. Forecast Volumes by Waste Generator

Figure 4.3 displays the LLMW and TRU(M) waste volumes by waste generator for the Facility Transitions program. As seen in the figure, 64% of the waste is forecast by the PFP. Thirty-five percent is generated by B-Plant, and the remaining 1% being contributed by various other facilities.

Figure 4.3: Facility Transitions Life-Cycle Waste Volumes by Generators (LLMW and TRU(M))

Descriptions of the primary waste generators, their respective waste volume forecasts, their assumptions, and their potential waste volume fluctuations are provided below.

Plutonium Finishing Plant (WHC_PFP)

The PFP consists of 14 facilities that generate solid waste. The waste is generated through surveillance & maintenance, decontamination, and stabilization activities. Stabilization and deactivation will be completed by 2034. PFP expresses a medium level of confidence in the forecast volume and schedule of waste generation, even though planning was not firm.

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Surveillance & maintenance waste is only included in the forecast for two facilities, 2736-Z and 2736-ZB. It is assumed these facilities will store the stabilized plutonium during the surveillance & maintenance life-cycle phase; therefore, waste volumes are forecast through 2034. In addition, it is assumed that stabilization of the plutonium will occur in 2345-Z and 236-Z. The plutonium stabilization activities are not forecast and could result in additional solid waste generation.

The minimum volume forecasts range for PFP is 20% and is based on clean-out activities not taking place. The maximum forecasts range for PFP varies from 200% to 380% due to programmatic uncertainties.

B Plant (WHC_B_PLANT)

Three facilities are included within this forecast: 221-B, 271-B, and 225-B (Waste Encapsulation and Storage Facility—WESF). The forecast accounts for transitional waste through 2019 for WESF; however, the 221-B and 271-B facilities are planned to be completely deactivated by 1999. Completion of operations is expected to gradually phase out as transition is completed in 1999.

Near-term (1996-1999) baseline forecast volumes for B-Plant indicate fairly stable volumes: the minimum range is 80%, and the maximum range is 110%. For the years after 1999, the minimum range is 0% and the maximum range is 200%, based on historical data and best engineering judgment.

Others:

PUREX (WHC_PUREX)—Only the PUREX facility is included within this forecast since UO_3 was transferred to the EM-40 contractor in early 1995. Transition (deactivation) will be complete for PUREX in October 1997. Solid waste generated from the PUREX tunnels and post-January 1995 UO_3 waste is not included in this forecast since the waste is managed by the EM-40 contractor.

The minimum range for PUREX is 50%, based on uncertainty of waste volumes generated from the PUREX deactivation efforts and the exact schedule in which waste will actually be generated. The maximum range is 200% due to waste volume uncertainties associated with deactivation and zone reduction activities.

Fast Flux Test Facility (WHC_FFTF)—Five facilities comprise this waste generator: FFTF, 309 Facility, Legacy, 308 Facility, and 335 Sodium Test Facility.

The maximum forecast range for this generator is 100% to 150% of the baseline. The minimum range is 55%. These ranges indicate that the baseline volumes should not fluctuate significantly.

300 Area Fuel Supply Transition (WHC_FUEL_TRANS)—Three facilities are included in this forecast: the 304 Building, the 303-K Building, and the 313 Building (Waste Acid Treatment System—WATS). The 300 Area Fuel Supply is no longer in its operational life-cycle phase but is now in a transitional life-cycle phase. The schedule for completion of deactivation is estimated to be 1998. While in this life-cycle phase, 313 Building will be demolished (due to an unstable roof), all radioactive and hazardous wastes will be removed, and the spent nuclear fuel stored there will be dispositioned.

The minimum and maximum ranges for this generator are both 100%, which indicates that the baseline volumes should not fluctuate significantly.

Table 4.1 shows the total amount of waste forecast in each waste category by each generator. Almost all of the waste is generated by PFP. The amount of contact-handled TRU(M) waste forecast by PFP has increased approximately 1,960 cubic meters from the FY1995 forecast. This may be due in part to revised forecasting techniques that incorporated previously unavailable, underestimated, and overlooked waste sources.

Table 4.1: Facility Transitions Waste Generator Mixed and TRU Volumes by Waste Category
(m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
Plutonium Finishing Plant	3,280	0	3,990	0	0	7,270
B-Plant	3,360	660	0	0	0	4,020
PUREX (202A) Operations	20	0	10	0	0	40
FFTF	20	0	4	0	0	30
300 Area Fuel Supply	20	0	0	0	0	20
Total ^(b)	6,710	660	4,000	0	0	11,370

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

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5. NON-PROGRAMMATIC

This section describes waste generated by two primary types of waste generators: those that are currently not within a Hanford program, and those with uncertainties in determining the program that is responsible for their future waste-generating activities (“orphan” facilities). The number of non-programmatic waste generators is less than reported last year since many have been newly assigned to a program.

5.1. OVERVIEW

Analysis of the Non-Programmatic LLMW and TRU(M) life-cycle solid waste volumes indicates:

- Total life-cycle volume of waste is 8,590 cubic meters.
- Overall life cycle for the generators included in this category extends to 2037.
- About 85% of Non-Programmatic waste is contact-handled LLMW.
- Buried Equipment accounts for 82% of Non-Programmatic waste; all Buried Equipment waste is contact-handled LLMW.
- Solid waste volumes for Buried Equipment are not likely to vary significantly in the future since the waste currently exists; however, the forecast waste volumes for “orphan” facilities are likely to change due to potential waste management decisions that a future-assigned program may implement.

5.2. BACKGROUND

The volumes reported for most Non-Programmatic waste generators are from past Solid Waste Forecasts and BEMR estimates. The Buried Equipment generator has not completed a forecast since 1992 as no program currently has responsibility for this buried waste; therefore, waste volumes from the 1992 forecasts were used for this generator. “Orphan” facility waste volumes were estimated by BEMR through use of a modeling tool that projected future transitional waste volumes for those facilities currently not within the Facility Transitions program. The life cycle for Non-Programmatic waste extends to 2037.

5.3. NON-PROGRAMMATIC WASTE VOLUMES

The total life-cycle volume of LLMW and TRU(M) solid waste for the Non-Programmatic waste generators is estimated to be 8,590 cubic meters through 2037. This volume is similar to that forecast in FY1995 and makes up approximately 8% of the total waste expected at Hanford.

5.3.1. Forecast Volumes by Waste Category

Figure 5.1 displays the overall volumes by waste category for Non-Programmatic waste generators. Eighty-five percent of the waste to be generated through the 2037 life cycle is contact-handled LLMW, 15% is contact-handled TRU(M), and less than 1% is forecast to be remote-handled LLMW. These proportions are similar to those forecast in FY1995, however the percentage of TRU(M) waste increased from less than 1% of the total in FY1995 to 15% in

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FY1996, due in part to using life-cycle rather than 30-year forecasts. In addition, the TRU(M) waste forecasts are larger this year due to the addition of the “orphan” facilities obtained from the BEMR model.

Figure 5.1: Non-Programmatic Life-Cycle Waste Volumes by Waste Category

Figure 5.2 shows the annual waste volumes through the 2037 life cycle by waste category. As seen in the figure, there are five peaks at or above 340 cubic meters that are driven by Buried Equipment waste generation. Contact-handled TRU(M) waste is forecast for two broad time periods: 2011 through 2015 from 300 Area Facilities (Non-Transition), and 2019 through 2037 from other non-transition waste generators.

Figure 5.2: Non-Programmatic Annual Waste Volumes by Waste Category (Life Cycle Ends 2037)

5.3.2. Forecast Volumes by Waste Generator

Figure 5.3 displays the waste volumes for the Non-Programmatic generators. Two waste generators account for over 90% of the volumes: Buried Equipment forecasts approximately 83% of the total and 300 Area Facilities (Non-Transition) forecasts approximately 9% of the total. Eight other generators forecast the remaining 8% of Non-Programmatic waste.

Figure 5.3: Non-Programmatic Life-Cycle Waste Volumes by Waste Generators (LLMW and TRU(M))

Descriptions of the primary waste generators, their respective waste volume forecasts, their assumptions, and their potential waste volume fluctuations are provided below.

Buried Equipment (WHC_BQUIP)

This generator disposed of general purpose coded equipment prior to 1992. The buried waste includes vehicles and mobile construction units used in tank farms that are classified as contact-handled LLMW. As was the case in the last few years, a Solid Waste Forecast was not submitted for this generator this year because of programmatic funding issues; therefore, the most recent forecast from 1992 was used. The forecast volumes are based on existing waste that has not been retrieved and shipped to the CWC due to lack of funding. Consequently, while the schedule for this generator is uncertain, the volumes are certain because the waste currently exists. Maximum and minimum ranges were not collected in 1992, therefore 100% minimum and maximum ranges were assumed.

300 Area Facilities—Non-Transition (NP_300_TR)

This waste generator is a grouping of 32 facilities that is expected to require deactivation in 2011 through 2015. The deactivation of these facilities has not been included in any programs planning baseline to date; therefore, the solid waste resulting from deactivation of these facilities has been deemed “non-programmatic”. The solid waste from the 32 facilities will consist primarily of contact-handled TRU(M) waste. Maximum and minimum ranges were not collected for this facility since forecast volumes were obtained from BEMR model results that did not account for variations in waste generation.

Table 5.1 shows the total amount of waste forecast in each waste category by each generator. The majority of the waste is contact-handled LLMW and is forecast primarily by Buried Equipment. The 300 Area Facilities (Non-Transition) and other generators are contributors to the forecast contact-handled TRU(M) waste streams due to the deactivation activities that will be performed for these facilities.

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Table 5.1: Non-Programmatic Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
Buried Equipment (PSS/TFS) 1992	7,080	0	0	0	0	7,080
300 Area Facilities—Non-Transition	60	0.2	730	0	0	790
REDOX—Non-Transition	2	0	210	0	0	210
PUREX—Non-Transition	40	0	110	0	0	150
PFP—Non-Transition	80	0	60	0	0	130
400 Area Facilities—Non-Transition	0	0	70	0	0	70
B Plant—Non-Transition	0	0	60	0	0	60
T Plant—Non-Transition	0	0	40	0	0	40
Site Support—Non-Transition	0	0	30	0	0	30
U Plant—Non-Transition	3	0.007	10	0	0	10
Total ^(b)	7,270	0.2	1,320	0	0	8,590

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

6. LIQUID EFFLUENT

This section provides life-cycle volumes and waste generator descriptions for the Liquid Effluent program. No TRU(M) waste has been forecast by the generators that comprise this program, therefore, only LLMW volumes will be provided. The forecast waste volumes will result from current treatment, interim storage, and disposal of liquid effluents in the 300 Area, and existing or planned effluent treatment and disposal activities in the 200 Area.

6.1. OVERVIEW

Analysis of the Liquid Effluent LLMW life-cycle waste volumes indicates:

- Overall life cycle for the generators included in this program extends to 2033.
- The 200 Area Effluent Treatment Facility (ETF) will generate almost all of the program's forecast 5,620 cubic meters of waste.
- All Liquid Effluent program waste is contact-handled LLMW.
- The bulk of 200 Area ETF waste generation is forecast to occur at a steady level of 200 cubic meters annually between 2006 and 2028.

6.2. BACKGROUND

The Liquid Effluent program mission is to eliminate the use of the soil column for liquid effluent treatment and to manage current and future liquid effluent streams in a safe, responsible, cost-effective, and legally compliant manner. The program generates solid waste during the treatment of liquid effluents from TWRS' 242-A Evaporator and from the 300 Area. The overall life cycle for generators in this program extends to 2033.

The data reported in this section were obtained from the annual Solid Waste Forecast data call, however, several changes were incorporated based on guidance provided by the Liquid Effluent program. The changes were necessary to fulfill MYPP and BEMR requirements which included life-cycle analysis. The major changes that were incorporated include:

- Annual waste volumes were updated to more accurately reflect programmatic plans; MYPP volumes were analyzed and reported instead of the original 1995 Solid Waste Forecast data.
- The 300 Area Treated Effluent Disposal Facility (TEDF) is based on 30-year design life with operations starting in December 1994.
- The 340 Facility is expected to be operational from FY1996 through the end of FY2000.

6.3. LIQUID EFFLUENT WASTE VOLUMES

The total life-cycle volume of Liquid Effluent LLMW is expected to be 5,620 cubic meters or 5% of the total LLMW waste at the Hanford Site. (Again, no TRU(M) waste is generated in this program.)

6.3.1. Forecast Volumes by Waste Category

The 5,620 cubic meters of waste forecast for generation through 2033 is expected to be contact-handled LLMW. Figure 6.1 shows the forecast of annual Liquid Effluent waste volumes for the entire life cycle of anticipated LLMW waste streams. It is evident from Figure 6.1 that there will be a jump in the volume to approximately 200 cubic meters in 2006; then volumes will hold steady through 2028 before decreasing. This increase corresponds to the expected treatment of liquid waste from the TWRS program (i.e., LLVP, Pretreatment Facility, etc.).

Figure 6.1: Liquid Effluent Annual Waste Volumes by Waste Category (Life Cycle Ends 2033)

6.3.2. Forecast Volumes by Waste Generator

There are three potential waste generators in the Liquid Effluent program, of which two forecast LLMW. Figure 6.2 shows that the 200 Area ETF accounts for over 99% of this waste. The other contributor is the Waste Neutralization Facility (340/307 Buildings). The Liquid Effluent waste volume from this generator more than doubled from 2,540 cubic meters reported in 1995; some of this increase is due to using life-cycle data rather than 30-year forecasts as in previous years, but most can be attributed to the inclusion of all waste generating activities in the forecast (i.e., the Liquid Effluent Retention Facility, liquid waste from N-Reactor, etc.). In addition, programmatic involvement in the forecasting process aligned the forecast waste volumes more closely with programmatic planning.

Figure 6.2: Liquid Effluent Life-Cycle Waste Volumes by Generators (LLMW)

Descriptions of the primary waste generators, their respective waste volume forecasts, their assumptions, and their potential waste volume fluctuations are provided below.

200 Area Effluent Treatment Facility (WHC_200 ETF)

The 200 Area ETF is designed to provide effluent treatment and disposal capabilities required to support the continued operation of the 242-A Evaporator and to process the stored evaporator effluents in the Liquid Effluent Retention Facility (LERF). Operations began in late 1995 and will continue through 2033. The minimum range reported for this waste generator is 50% of the baseline volume, and the maximum range is 150% of the baseline.

Waste Neutralization Facility (WHC_WASTE_NEUT)

The Waste Neutralization Facility accumulates and provides interim storage for tank waste analysis effluents generated by 300 Area Laboratories. This facility also provides on-line monitoring of the 300 Area Retention Process Sewer to ensure protection of the environment prior to the effluents being sent to the 300 Area TEDF.

Table 6.1 shows the total amount of waste forecast in each waste category by each generator.

Table 6.1: Liquid Effluent Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total^(b)
200 Area Effluent Treatment Facility (Project C018H)	5,620	0	0	0	0	5,620
Waste Neutralization Facility (340/307 Buildings)	3	0	0	0	0	3
Total^(b)	5,620	0	0	0	0	5,620

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

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7. PACIFIC NORTHWEST NATIONAL LABORATORY

This section summarizes waste volumes from the Pacific Northwest National Laboratory (PNNL). PNNL's wastes are varied in nature and are associated with research and development and decontamination activities conducted at the Hanford Site.

7.1. OVERVIEW

Analysis of the forecast PNNL LLMW and TRU(M) life-cycle solid waste volumes indicates:

- Total waste volume from PNNL is expected to be 3,740 cubic meters over the life cycle, currently through 2070.
- The waste volume consists primarily of contact-handled LLMW (60%) and LLMW_GTCIII (14%).
- In the next 35 years (until 2030), waste volumes are expected to remain at a constant level for each of the 5 waste categories. The annual forecast waste volume is approximately 79 cubic meters.
- From 2031 to the end of the life cycle, only LLMW is forecast, with approximately 33 cubic meters generated annually.
- The actual waste volumes could potentially be higher than the baseline forecast (200%), because of the uncertainty associated with forecast research and development (R&D) activities.

7.2. BACKGROUND

PNNL is a national research laboratory that conducts research for DOE, other government agencies, and private industry to solve problems of national importance. Solid waste is generated during research and decontamination activities.

7.3. PNNL WASTE VOLUMES

Approximately 3,740 cubic meters of solid waste are expected to be sent to the CWC by the PNNL program area. The PNNL waste comprises approximately 4% of the total TRU(M) and LLMW life-cycle volumes expected at the Hanford Site. Waste volumes for TRU(M) and LLMW are considered likely to increase over the next several years beyond the amount forecast in this report because of the uncertainty associated with forecasting R&D activities. The TRU(M) waste volume forecast is based on current research projects and future D&D.

7.3.1. Forecast Volumes by Waste Category

Figure 7.1 displays the overall LLMW and TRU(M) volumes by waste category. The majority of this waste, 2,250 cubic meters or approximately 60%, is expected to be contact-handled LLMW. The composition of the remaining waste categories are: 530 cubic meters (14%) of LLMW_GTCIII; 390 cubic meters (11%) of contact-handled TRU(M); 350 cubic meters (9%) of remote-handled TRU(M); and 230 cubic meters (6%) of remote-handled LLMW.

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Figure 7.1: PNNL Life-Cycle Waste Volumes by Waste Category

For all waste categories through the life cycle of PNNL waste generation, the maximum range is 200% and the minimum range is 50%. This indicates that the actual waste volumes have a greater potential to increase from the baseline forecast. The uncertainties with this forecast are due to the variations in R&D projects.

Waste stream distribution for the life cycle is shown in Figures 7.2 and 7.3. Figure 7.2 displays the annual waste volumes by waste category from 1996 to 2030. This figure shows that wastes are expected to remain at a constant level for each of the 5 waste categories through this period. The annual waste volume expected is approximately 69 cubic meters.

Figure 7.2: PNNL Annual Waste Volumes by Waste Category (HELD, 1996 to 2030)

Figure 7.3 displays average annual waste volumes by waste category for five-year periods from 2031 to the end of the life cycle, 2070. For these years, only LLMW is expected. The total annual waste volume expected is approximately 33 cubic meters. The reason for the change in waste generation in 2031 from previous higher levels is due to the expected completion of the

300 Area facilities mission by 2030; therefore, generation of GTCIII and TRU(M) waste will end at this time.

Figure 7.3: PNNL Average Annual Waste Volumes by Waste Category (2031 to End of Life Cycle—2070)

7.3.2. Forecast Volumes by Waste Generator

Table 7.1 lists the total waste volumes by waste category forecast by PNNL.

Table 7.1: PNNL Waste Generator Mixed and TRU Volumes by Waste Category (m^3)^(a)

Waste Generator	CH_LLMW	RH_LLMW	CH_TRU(M)	RH_TRU(M)	LLMW_GTCIII	Total
Pacific Northwest National Laboratory	2,250	220	390	350	530	3,740

^(a) Numbers over $10 m^3$ are rounded to the nearest $10 m^3$.

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8. ENVIRONMENTAL RESTORATION

This section summarizes waste volumes that will be sent to the Solid Waste program from environmental restoration activities on the Hanford Site. The waste volume forecast discussed in this chapter was submitted from the Surplus Facilities Program (BHI_SURPLUS_FAC).

8.1. OVERVIEW

Analysis of the forecast Environmental Restoration (ER) LLMW and TRU(M) life-cycle solid waste volumes indicates:

- Only a few activities from Surplus Facilities were included in the ER program forecast. The remainder of waste being generated by ER activities on the Hanford site will be managed by EM-40. Thus the Surplus Facilities waste generator accounts for 100% of the ER waste volume forecast.
- Approximately 1,980 cubic meters of LLMW and TRU(M) solid waste is forecast over the life cycle, currently through 2046. This is only 2% of the waste forecast last year since the majority of the waste is expected to be managed outside of the Solid Waste program.
- Of this waste, 77% or 1,520 cubic meters, is contact-handled TRU(M), 18% or 360 cubic meters is remote-handled TRU(M), and 5% or 100 cubic meters is contact-handled LLMW.
- LLMW is expected in 1996 only; TRU(M) waste will be shipped periodically through 2046.

8.2. BACKGROUND

The mission of the ER program is to decontaminate and remediate facilities and the environment to a designated end-use state. End-use states range from unrestricted use to controlled access and are generally determined on a case-by-case basis. These wastes include those generated during remediation of the Plutonium Finishing Plant (PFP), Redox Facility, B Plant, N-Reactor basin, and the 618 burial grounds. The wastes range from workers' slightly contaminated clothing to highly contaminated process equipment and sludges.

This year's Solid Waste Forecasts received from BHI Surplus Facilities and Past Practice Remediation were modified to reflect MYPP/BEMR assumptions. The primary modification includes the assumption that LLMW generated during remediation of Surplus Facilities and past practice sites would not be managed by the Solid Waste program. In addition, the TRU(M) waste forecasts were modified to reflect minimal transfer of waste from EM-40 to the Solid Waste program. As a result, only 2% of last year's forecast LLMW and TRU(M) waste is expected to be shipped to the CWC.

All special study forecast data that reported non-Surplus Facilities volumes has also been eliminated from this year's forecast data since it is assumed that the waste will be managed by EM-40.

8.3. ENVIRONMENTAL RESTORATION WASTE VOLUMES

Approximately 1,980 cubic meters of LLMW and TRU(M) solid waste is expected to be sent to the CWC by the ER program area. This volume makes up only 2% of the total TRU(M) and

LLMW wastes expected at Hanford. The Surplus Facilities waste generator accounts for 100% of the ER wastes. Surplus Facilities includes surplus listed facilities and projects. The total life cycle for this waste extends through 2046. The generator indicated that waste minimization, recycling, or reduction technologies could reduce forecast volumes by 30%.

8.3.1. Forecast Volumes by Waste Category

Figure 8.1 displays the overall LLMW and TRU(M) volumes by waste category. The majority of this waste, 1,520 cubic meters (77%), is expected to be contact-handled TRU(M). Another 360 cubic meters (18%) is expected to be remote-handled TRU(M) waste. The remaining 100 cubic meters (5%) is expected to be contact-handled LLMW.

The minimum and maximum ranges provided by the generator for this waste are identical to the baseline volume forecast. The actual waste generated depends on the changing schedules and programmatic responsibilities. There is a high probability that more waste will be generated than predicted due mainly to the potential for special types of waste to be generated that can not be managed by EM-40. Additional TRU(M) waste volumes are also likely if EM-60 does not eliminate all TRU(M) waste during deactivation activities.

Figure 8.1: ER Life-Cycle Waste Volumes by Waste Category

Figure 8.2 shows forecast annual volumes by waste category for the ER program's solid waste for the life cycle. The graph shows that all of the contact-handled LLMW (100 cubic meters) will be generated in 1996 along with some contact-handled TRU(M) wastes as a result of the N-Reactor basin clean-out. More contact-handled TRU(M) wastes will continue to be generated from 1997 to 1999. The majority of the contact-handled TRU(M), however, will be generated from 2021 to 2027 due to the planned D&D of Redox, PFP, and B Plant. The remote-handled TRU(M) generation is not expected until the end of the ER life cycle in 2045 to 2046 which corresponds to the planned D&D of the 618 burial grounds.

Figure 8.2: ER Annual Waste Volumes by Waste Category (Life Cycle Ends 2046)

8.3.2. Forecast Volumes by Waste Generator

Table 8.1 lists the ER waste volumes by waste category. This table shows that the ER program does not expect to generate any remote-handled LLMW or LLMW_GTCIII.

Table 8.1: ER Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_LLMW	RH_LLMW	CH_TRU(M)	RH_TRU(M)	LLMW_GTCIII	Total
BHI Surplus Facilities	100	0	1,520	360	0	1,980

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

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9. OFFSITE WASTE GENERATORS

This section provides waste volumes and profiles for Offsite waste generators that are certified to ship waste to the Hanford Site. Most Offsite waste generators are national laboratories, universities, or DOE-owned contractor-operated facilities.

9.1. OVERVIEW

Analysis of the forecast Offsite LLMW and TRU(M) life-cycle solid waste volumes indicates:

- Only 340 cubic meters of LLMW and TRU(M) waste are forecast over the life cycle (through 2030).
- The majority of waste is TRU(M): 57% is contact-handled TRU(M) and 25% is remote-handled TRU(M).
- Eighty-six percent of the Offsite waste is generated by Argonne National Laboratory—East (57%) and Battelle Columbus Laboratories (29%).
- The amount of forecast Offsite waste dropped significantly from the 1995 30-year forecast level of 14,170 cubic meters due to the implementation of Site Treatment Plans which promote waste minimization and certification by the receiving site.
- Of 23 total Offsite waste generators reported in FY1995, only 8 are currently expected to ship LLMW or TRU(M) waste to Hanford since the majority of Offsite waste generators do not have approved Site Treatment Plans (STPs).

9.2. BACKGROUND

Offsite missions include general maintenance and operations, environmental restoration, D&D, and research and development. The data reported in this section were obtained from the annual Solid Waste Forecast data call. However, due to the MYPP life-cycle requirements, these forecast volumes were modified to more accurately reflect the MYPP/BEMR baseline. The following assumptions were implemented:

- LLW receipts were maintained through 2070.
- TRU(M) waste receipts were maintained through 2030.
- LLMW receipts were excluded for all offsite waste generators except for six sites with approved STPs.

9.3. OFFSITE WASTE VOLUMES

Offsite waste generators forecast approximately 340 cubic meters of waste for the life cycle through 2030; this is less than 1% of the total LLMW and TRU(M) waste expected at the Hanford Site during this period. The majority of waste is contact-handled TRU(M) (57%) and remote-handled TRU(M) (25%). Argonne National Laboratory—East (ANL-E) and Battelle Columbus Laboratories expect to generate most of the Offsite waste.

9.3.1. Forecast Volumes by Waste Category

Figure 9.1 shows the overall LLMW and TRU(M) volumes by waste category for Offsite waste generators. The majority of waste (57%) is contact-handled TRU(M); remote-handled TRU(M) (25%) and contact-handled LLMW (18%) make up the rest of the waste. This contrasts with the 1995 30-year forecast which estimated 98% contact-handled LLMW, primarily from ANL-E, Portsmouth Gaseous Diffusion Plant, and Paducah Energy Systems. LLMW is no longer expected from these sites unless their Site Treatment Plans include Hanford for final disposal and are approved by the appropriate authorities. LLMW from these waste generators has been eliminated from the forecast volumes until STPs are approved.

Figure 9.1: Offsite Life-Cycle Waste Volumes by Waste Category

Figure 9.2 displays the annual volumes by waste category. As seen in the figure, Offsite generators anticipate a steady flow of 6 cubic meters of contact-handled TRU(M) waste from 1996 through 2030. Almost all contact-handled LLMW is forecast to be generated in 2001 from Battelle Columbus, KAPL, Puget Sound, and other generators, and all remote-handled TRU(M) waste volumes are expected from 1998 through 2000.

Figure 9.2: Offsite Annual Waste Volumes by Waste Category (Life Cycle Ends 2030)

9.3.2. Forecast Volumes by Waste Generator

Figure 9.3 displays the forecast life-cycle waste volumes by Offsite waste generators. Major generators include Argonne National Laboratory—East, generating 200 cubic meters (59%), and Battelle Columbus Laboratories, generating 90 cubic meters (26%). The amount of LLMW and TRU(M) waste forecast (340 cubic meters) dropped significantly in 1996 when compared to the 1995 30-year forecast volume of 14,170 cubic meters. Several generators that forecast substantial amounts of contact-handled LLMW for the 1995 report did not forecast any LLMW or TRU(M) waste for the 1996 report. This includes Portsmouth Energy Systems and Paducah Energy Systems. Descriptions of the two primary waste generators, their respective waste volume forecasts, generators' assumptions and potential waste volume fluctuations are provided below.

Figure 9.3: Offsite Life-Cycle Waste Volumes by Generators (LLMW and TRU(M))

Argonne National Laboratory—East (ANL_E)

Most waste volumes associated with ANL-E will result from over 100 waste generators that are working on laboratory bench-scale projects, thus the solid waste generated will be operational waste. ANL-E forecasts a steady flow of 200 cubic meters of contact-handled TRU(M) waste through 2030, averaging less than 6 cubic meters per year. ANL-E indicates that the minimum range is 0%, because forecast baseline volume may not be sent to Hanford due to possible programmatic changes. The maximum range is 100%, indicating that the volume is unlikely to increase over the baseline estimate.

Battelle Columbus Laboratories (BAT_CLBS_LAB)

This generator performs primarily research and development activities. Battelle expects to generate a total of 90 cubic meters during 1997-2002. Approximately 90% of the waste is forecast to be remote-handled TRU(M) waste, and 10% is contact-handled LLMW. Battelle anticipates that the minimum volume may only include waste generated in 2001, but that the maximum volume will not exceed the baseline in any year.

Other Offsite waste generators include Puget Sound Naval Shipyards (PUGET_SOUND, 30 cubic meters or 9% of the Offsite waste), Knolls Atomic Power—Laboratory (KAPL, 10 cubic meters or 3% of the Offsite waste), and four other generators that, combined, forecast only 10 cubic meters (3%) of Offsite LLMW and TRU(M) waste. Table 9.1 displays the amount of waste to be generated in each waste category by each Offsite waste generator. Of 23 potential

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waste generators categorized as Offsite, only eight forecast waste volumes for LLMW and TRU(M), compared to 18 in FY1995.

Table 9.1: Offsite Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total^(b)
Argonne National Laboratory—East	0	0	200	0	0	200
Battelle Columbus Laboratories	10	0	0	80	0	90
Puget Sound Naval Shipyards	30	0	0	0	0	30
Knolls Atomic Power—Laboratory	10	0	0	0	0	10
Pearl Harbor Naval Shipyards	5	0	0	0	0	5
General Atomics	3	0	0	0	0	3
Portsmouth Naval Shipyards	1	0	0	0	0	1
Ames Laboratory—Ames, Iowa	0	0	0.1	0	0	0.1
Total^(b)	60	0	200	80	0	340

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

10. OTHER PROGRAMS

This section provides waste volumes and profiles for those programs that generate minimal solid waste volumes. The programs that will be discussed in this section include Analytical Services, RCRA Monitoring, Solid Waste, and Spent Nuclear Fuel (SNF).

10.1. OVERVIEW

Analysis of the forecast LLMW and TRU(M) life-cycle solid waste volumes generated by Analytical Services, RCRA Monitoring, Solid Waste, and Spent Nuclear Fuel indicate that:

- A total of 5,090 cubic meters of LLMW and TRU(M) waste is forecast over a life cycle extending through 2070. This is 5% of the total waste forecast.
- Ninety-three percent, or 4,730 cubic meters, of the waste is forecast as contact-handled LLMW.
- Analytical Services and RCRA Monitoring are forecast to generate almost 90% of the waste.
- SNF's K-Basin sludge may be sent to Solid Waste in FY1999 - 2000 which would result in an additional 2,000 cubic meters of remote-handled TRU(M).

10.2. BACKGROUND

Four programs are included in this analysis. In the course of pursuing their respective missions, they often generate solid waste that will eventually be sent to the CWC. The four programs include:

- Analytical Services
- RCRA Monitoring Well Drilling
- Solid Waste
- Spent Nuclear Fuel (SNF)

Discussions of these programs and their missions are included in Section 10.3.2. The volumes reported for each of these programs are taken from the annual Solid Waste Forecast data call; however, several modifications were required to ensure consistency with the MYPP/BEMR data submittals. These assumptions include the following:

- The life cycles for Solid Waste, RCRA Monitoring, and Analytical Services were extended until 2070.
- SNF forecast volumes after FY2001 were ceased and only one quarter of the FY2001 volume was maintained since the SNF program will terminate in the first quarter of FY2001.

10.3. OTHER PROGRAMS WASTE VOLUMES

LLMW and TRU(M) waste generation is estimated to be approximately 5,090 cubic meters for these programs over the life cycle extending through 2070. This waste volume is very similar to

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that predicted for a 30-year period in FY1995, and is approximately 5% of the total LLMW and TRU(M) waste expected at the Site. Contact-handled LLMW comprises 93% of the forecast waste. Almost all of the waste will be generated by two programs: Analytical Services (47%), and RCRA Monitoring (40%).

10.3.1. Forecast Volumes by Waste Category

Figure 10.1 displays the overall volumes by waste category for Other Programs. 93% of the waste (4,730 cubic meters) is contact-handled LLMW, 5% (230 cubic meters) is contact-handled TRU(M), and remote-handled LLMW and remote-handled TRU(M) each represent approximately 1% (70 and 60 cubic meters, respectively).

Figure 10.1: Other Programs Life-Cycle Waste Volumes by Waste Category

Waste category distributions for the life cycle are shown in Figures 10.2 and 10.3. Figure 10.2 shows the annual LLMW and TRU(M) by waste category through 2025. A mix of wastes is forecast for the initial period from 1996 through 2001, including contact- and remote-handled LLMW, and contact- and remote-handled TRU(M). Annual waste volumes during this period range from over 200 cubic meters in 1997 to about 90 cubic meters in 2001. After 2001, only contact-handled LLMW and very small amounts of contact-handled TRU(M) are forecast due to the end of the SNF life cycle. From 2001 to 2010 the annual volume is fairly constant at approximately 80 cubic meters per year until dropping in 2011 to fairly steady levels through 2025.

Figure 10.2: Other Programs Annual Waste Volumes by Waste Category (HELD, 1996 to 2025)

Figure 10.3 shows the 5-year annual average of LLMW and TRU(M) by waste category from 2026 through 2070 (end of the life cycle). The annual amount of waste forecast is quite steady, at around 55 cubic meters per year. The vast majority of waste generated during this period is contact-handled LLMW; the balance is contact-handled TRU(M).

Figure 10.3: Other Programs Annual Waste Volumes by Waste Category (2026 to End of Life Cycle—2070)

10.3.2. Forecast Volumes by Waste Generator

Figure 10.4 displays the forecast life-cycle waste volumes by Other waste generators. The majority of the waste will be generated by two programs: Analytical Services (2,390 cubic meters or 47%) and RCRA Monitoring (2,030 cubic meters or 40%). Other programs include Solid Waste and Spent Nuclear Fuel.

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Figure 10.4: Other Programs Life-Cycle Waste Volumes by Waste Generator

Descriptions of each program, the primary waste generators within each program, their respective waste volume forecasts, their assumptions, and their potential waste volume fluctuations are provided below.

Analytical Services

Analytical Services provides analytical field support and process development services to other Site programs using onsite and offsite analytical laboratories. Analytical Services also provides field sampling, field screening, mobile laboratories, and data deliverables. Table 10.1 displays the amount of waste generated for each waste category and waste generator within the Analytical Services program. The primary waste generator, the 222-S Laboratory (WHC_ANALYT_LAB), generates LLMW and TRU(M). The 222-S Laboratory provides analytical services to the Hanford Site. The general types of LLMW and TRU(M) solid waste are generated from laboratory analyses, Hanford Site sample returns and laboratory standards. Most LLMW and TRU(M) waste is generated from laboratory analysis of Double-Shell and Single-Shell Tank waste samples. The 222-S Laboratory forecast 2,320 cubic meters of waste for the life cycle through 2070, almost all of which (2,290 cubic meters) is contact-handled LLMW. This generator forecast only 960 cubic meters of LLMW and TRU(M) waste in FY1995 for a 30-year cycle, and while some of the increase in the FY1996 report can be attributed to using life-cycle volumes, more waste is also expected due to an increase in tank farm analysis.

The other onsite facility for this program is the 6266 Waste Sampling and Characterization Facility (WHC_WSCF or WSCF). WSCF began operations in 1994 and provided its first forecast in 1995. WSCF will provide analytical support to liquid waste treatment plants and analyze LLW for environmental monitoring purposes. WSCF will generate primarily lab waste and organic chemicals or supplies used in support of analytical testing. WSCF expects to generate 80 cubic meters of contact-handled LLMW through 2070.

The minimum waste volume for Analytical Services is estimated at 80% of baseline, and the maximum at 120% of baseline, indicating their fairly high confidence level in forecast waste volumes.

RCRA Monitoring

The mission of RCRA Monitoring Well Drilling is to monitor groundwater for potential contamination and to ensure that radioactive and hazardous materials are not leaving the site.

Other than the non-regulated waste category and hazardous waste, Well Drilling operations generate drilling spoils that are radioactive or mixed in nature, debris generated during facility renovation, and laboratory wastes.

Table 10.1 displays the amount of waste generated for each waste category within the RCRA Monitoring program. RCRA Monitoring Well Drilling operations are expected to generate a total of 2,030 cubic meters of contact-handled LLMW. No other types of LLMW or TRU(M) waste are expected. Generation of TRU(M) waste is unlikely since RCRA monitoring wells are not expected to be located in highly contaminated areas. RCRA Monitoring accounts for 40% of all LLMW and TRU(M) waste generated by programs included in this section.

Due to programmatic uncertainties, minimum waste volumes were estimated at 50% of baseline and maximum volumes were estimated at 280% of baseline.

Solid Waste

Solid Waste's mission is to receive, store, treat, decontaminate, and dispose of solid radioactive and nonradioactive hazardous waste in a safe, cost-effective and environmentally compliant manner. Secondary solid waste will be generated to achieve this mission. The Solid Waste program has three LLMW and TRU(M) waste generators within its program: T-Plant, the Low-Level Burial Grounds, and the TRU Storage and Assay Facility (TRUSAF). T-Plant (WHC_T_PLANT) is a canyon building used to decontaminate equipment and sort and package waste from other onsite facilities. T-Plant forecasts operations and transitional wastes, which include maintenance, decontamination, upgrades, and routine cleanup. The Low-Level Burial Grounds (WHC_LLBG) forecasts only operational waste that results from disposing LLW sent to the CWC by burying the waste in trenches. TRUSAF (WHC_TRUSAF) forecasts operational waste that results only from the storage of TRU(M) waste sent to the CWC. Additional waste volumes are expected from future treatment facilities, however, forecasts are not available.

Table 10.1 also displays the amount of waste generated for each waste category and waste generator within the Solid Waste program. The Solid Waste program expects to generate a total of 420 cubic meters of LLMW and TRU(M) waste through 2070; this is very similar to the levels forecast in the 1995 30-year forecast (400 cubic meters). The primary generator of waste is T-Plant with 310 cubic meters of waste, most of which is forecast to be contact-handled LLMW.

The minimum waste volumes forecast for the Solid Waste program are as low as 0% of baseline and assume no waste generation at all. The maximum waste volumes forecast are as high as 170% of baseline. The wide range in minimum to maximum volumes is primarily due to uncertainty in T-Plant operations; the actual volume fluctuations are not large.

Spent Nuclear Fuel

Spent Nuclear Fuel's mission is to provide safe storage of spent nuclear fuel (SNF); remedy unsafe conditions; design, construct, operate, and maintain interim storage facilities until final disposition of SNF is determined; and stage the SNF for final disposition once further direction is received. The current program mission, as defined in the Multi-Year Program Plan, addresses the SNF stored at the K-Basins only. Solid waste will be generated during the disposition of the spent fuel at K-Basins.

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Table 10.1 also displays the amount of waste generated for each waste category and waste generator within the Spent Nuclear Fuel program. K-Basins (including K-Basin Operations and K-Basin Fuel Sampling Project) is the only waste generator included in the Spent Nuclear Fuel program. Currently, K-Basins provide wet storage for spent fuel. The forecast provides waste volumes only for maintenance activities scheduled to be completed in 2001. The total LLMW and TRU(M) forecast volume is 250 cubic meters, most of which is expected to be contact-handled TRU(M) waste (210 cubic meters).

The K-Basins do not anticipate a large degree of fluctuation between minimum and maximum waste volumes, ranging between 80-120% of baseline. However, one scenario for K-Basin sludge includes grouting it for shipment to the CWC. If this scenario is selected it would result in an additional 2,000 cubic meters of remote-handled TRU(M) in FY1999 to FY2000.

Table 10.1: Other Programs Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
Analytical Services						
222-S Analytical Laboratory	2,290	0	20	0	0	2,320
6266 Waste Sampling & Characterization Facility	80	0	0	0	0	80
Subtotal ^(b)	2,370	0	20	0	0	2,390
RCRA Monitoring						
Well Drilling—Environmental Projects (RCRA)	2,030	0	0	0	0	2,030
Solid Waste						
221T/2706T T-Plant Operations	210	70	0	30	0	310
218E/W Low Level Burial Grounds	80	0	0	0	0	80
224 T TRU Storage and Assay Facility (TRUSAF)	30	0	0	0	0	30
Subtotal	320	70	0	30	0	420
Spent Nuclear Fuel						
100K K-Basin Operations	7	0	210	40	0	250
K-Basin Fuel Sampling Project	0	0	0.3	0	0	0.3
Subtotal ^(b)	7	0	210	40	0	250
Total^(b)	4,730	70	230	60	0	5,090

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

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APPENDICES

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A. SOLID WASTE GENERATORS BY VOLUME AND BY PROGRAM

A.1. SOLID WASTE GENERATORS BY VOLUME

Table A.1: LLMW and TRU(M) Solid Waste Generators by Largest to Smallest Volume (m³)^(a)

Program	Waste Generator	End of Life Cycle	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
TWRS	SST Long Length Equipment	2024	32,980	0	0	10,280	0	43,260
TWRS	SST/DST Tank Farm Operations	2025	6,830	1,690	0	0	0	8,520
Facility Transitions	Plutonium Finishing Plant	2034	3,280	0	3,990	0	0	7,270
Non-Programmatic	Buried Equipment (PSS/TFS) 1992	2022	7,080	0	0	0	0	7,080
Liquid Effluent	200 Area Effluent Treatment Facility (Project C018H)	2033	5,620	0	0	0	0	5,620
TWRS	High Level Vitrification Project	2028	800	0	2,170	1,960	0	4,920
TWRS	Tank Farm Restoration	2005	4,490	0	0	0	0	4,490
Facility Transitions	B-Plant	2019	3,360	660	0	0	0	4,020
Pacific Northwest Laboratories	Pacific Northwest Laboratories	2070	2,250	220	390	350	530	3,740
Analytical Services	222-S Analytical Laboratory	2070	2,290	0	20	0	0	2,320
RCRA Monitoring	Well Drilling—Environmental Projects (RCRA)	2070	2,030	0	0	0	0	2,030
Environmental Restoration	BHI Surplus Facilities	2046	100	0	1,520	360	0	1,980
TWRS	SST Retrieval (149 tanks)	2017	860	390	0	0	0	1,250
TWRS	W343 DST Retrieval (17 tanks)	2016	0	640	0	250	110	1,010
Non-Programmatic	300 Area Facilities—Non-Transition	2015	60	0.2	730	0	0	790
Solid Waste	221T/2706T T-Plant Operations	2025	210	70	0	30	0	310

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Table A.1: LLMW and TRU(M) Solid Waste Generators by Largest to Smallest Volume (Continued)

Program	Waste Generator	End of Life Cycle	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
TWRS	SST Tank 106C Sluicing	1998	270	0	0	0	0	270
TWRS	DST Retrieval Systems (10 tanks)	2009	0	260	0	0	0	260
Spent Nuclear Fuel	100K K-Basin Operations	2001	7	0	210	40	0	250
Non-Programmatic	REDOX—Non-Transition	2029	2	0	210	0	0	210
Offsite	Argonne National Laboratory—East	2070	0	0	200	0	0	200
Non-Programmatic	PUREX—Non-Transition	2027	40	0	110	0	0	150
Non-Programmatic	PFP—Non-Transition	2037	80	0	60	0	0	130
TWRS	DST 101AZ Retrieval (1 tank)	2001	0	110	0	0	0	110
Offsite	Battelle Columbus Laboratories	2001	10	0	0	80	0	100
Solid Waste	218E/W Low Level Burial Grounds	2070	80	0	0	0	0	80
Analytical Services	6266 Waste Sampling & Characterization Facility	2070	80	0	0	0	0	80
Non-Programmatic	400 Area Facilities—Non-Transition	2023	0	0	70	0	0	70
TWRS	Low Level Vitrification Project	2028	60	0	0	0	0	60
Non-Programmatic	B Plant—Non-Transition	2025	0	0	60	0	0	60
Non-Programmatic	T Plant—Non-Transition	2033	0	0	40	0	0	40
Facility Transitions	Purex (202A) Operations	1997	20	0	10	0	0	40
Non-Programmatic	Site Support—Non-Transition	2031	0	0	30	0	0	30
TWRS	Tank Waste Pretreatment Facility	2028	30	0	0	0	0	30

Appendix A: Solid Waste Generators by Volume and by Program

Table A.1: LLMW and TRU(M) Solid Waste Generators by Largest to Smallest Volume (Continued)

Program	Waste Generator	End of Life Cycle	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
Solid Waste	224 T TRU Storage and Assay Facility (TRUSAF)	1997	30	0	0	0	0	30
Facility Transitions	FFTF	2001	20	0	4	0	0	30
Offsite	Puget Sound Naval Shipyards	2001	30	0	0	0	0	30
Facility Transitions	300 Area Fuel Supply	1998	20	0	0	0	0	20
Non-Programmatic	U Plant—Non-Transition	2035	3	0.007	10	0	0	10
Offsite	Knolls Atomic Power—Laboratory	2001	10	0	0	0	0	10
TWRS	Aging Waste Transfer Lines	1997	0	0	7	0	0	7
Offsite	Pearl Harbor Naval Shipyards	2001	5	0	0	0	0	5
Offsite	General Atomics	1999	3	0	0	0	0	3
Liquid Effluent	Waste Neutralization Facility (340/307 Buildings)	2000	3	0	0	0	0	3
Offsite	Portsmouth Naval Shipyards	2001	1	0	0	0	0	1
Spent Nuclear Fuel	K-Basin Fuel Sampling Project	2000	0	0	0.3	0	0	0.3
Offsite	Ames Laboratory—Ames, Iowa	2014	0	0	0.1	0	0	0.1
Total^(b)			73,040	4,040	9,830	13,350	640	100,900

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

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A.2. SOLID WASTE GENERATORS BY PROGRAM

Table A.2: TWRS Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
SST Long Length Equipment	32,980	0	0	10,280	0	43,260
SST/DST Tank Farm Operations	6,830	1,690	0	0	0	8,520
High Level Vitrification Project	800	0	2,170	1,960	0	4,920
Tank Farm Restoration	4,490	0	0	0	0	4,490
SST Retrieval (149 tanks)	860	390	0	0	0	1,250
W343 DST Retrieval (17 tanks)	0	640	0	250	110	1,010
SST Tank 106C Sluicing	270	0	0	0	0	270
DST Retrieval Systems (10 tanks)	0	260	0	0	0	260
DST 101AZ Retrieval (1 tank)	0	110	0	0	0	110
Low Level Vitrification Project	60	0	0	0	0	60
Tank Waste Pretreatment Facility	30	0	0	0	0	30
Aging Waste Transfer Lines	0	0	7	0	0	7
Total ^(b)	46,310	3,080	2,180	12,490	110	64,170

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

Table A.3: Facility Transitions Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
Plutonium Finishing Plant	3,280	0	3,990	0	0	7,270
B-Plant	3,360	660	0	0	0	4,020
PUREX (202A) Operations	20	0	10	0	0	40
FFTF	20	0	4	0	0	30
300 Area Fuel Supply	20	0	0	0	0	20
Total ^(b)	6,710	660	4,000	0	0	11,370

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

Table A.4: Non-Programmatic Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
Buried Equipment (PSS/TFS) 1992	7,080	0	0	0	0	7,080
300 Area Facilities—Non-Transition	60	0.2	730	0	0	790
REDOX—Non-Transition	2	0	210	0	0	210
PUREX—Non-Transition	40	0	110	0	0	150
PFP—Non-Transition	80	0	60	0	0	130
400 Area Facilities—Non-Transition	0	0	70	0	0	70
B Plant—Non-Transition	0	0	60	0	0	60
T Plant—Non-Transition	0	0	40	0	0	40
Site Support—Non-Transition	0	0	30	0	0	30
U Plant—Non-Transition	3	0.007	10	0	0	10
Total ^(b)	7,270	0.2	1,320	0	0	8,590

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

Table A.5: Liquid Effluent Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
200 Area Effluent Treatment Facility (Project C018H)	5,620	0	0	0	0	5,620
Waste Neutralization Facility (340/307 Buildings)	3	0	0	0	0	3
Total ^(b)	5,620	0	0	0	0	5,620

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

Table A.6: PNNL Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total
Pacific Northwest Laboratories	2,250	220	390	350	530	3,740

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³.

Table A.7: ER Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total
BHI Surplus Facilities	100	0	1,520	360	0	1,980

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

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Table A.8: Offsite Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
Argonne National Laboratory—East	0	0	200	0	0	200
Battelle Columbus Laboratories	10	0	0	80	0	90
Puget Sound Naval Shipyards	30	0	0	0	0	30
Knolls Atomic Power—Laboratory	10	0	0	0	0	10
Pearl Harbor Naval Shipyards	5	0	0	0	0	5
General Atomics	3	0	0	0	0	3
Portsmouth Naval Shipyards	1	0	0	0	0	1
Ames Laboratory—Ames, Iowa	0	0	0.1	0	0	0.1
Total ^(b)	60	0	200	80	0	340

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

Table A.9: Other Programs Waste Generator Mixed and TRU Volumes by Waste Category (m³)^(a)

Waste Generator	CH_ LLMW	RH_ LLMW	CH_ TRU(M)	RH_ TRU(M)	LLMW_ GTCIII	Total ^(b)
Analytical Services						
222-S Analytical Laboratory	2,290	0	20	0	0	2,320
6266 Waste Sampling & Characterization Facility	80	0	0	0	0	80
Subtotal ^(b)	2,370	0	20	0	0	2,390
RCRA Monitoring						
Well Drilling—Environmental Projects (RCRA)	2,030	0	0	0	0	2,030
Solid Waste						
221T/2706T T-Plant Operations	210	70	0	30	0	310
218E/W Low Level Burial Grounds	80	0	0	0	0	80
224 T TRU Storage and Assay Facility (TRUSAF)	30	0	0	0	0	30
Subtotal	320	70	0	30	0	420
Spent Nuclear Fuel						
100K K-Basin Operations	7	0	210	40	0	250
K-Basin Fuel Sampling Project	0	0	0.3	0	0	0.3
Subtotal ^(b)	7	0	210	40	0	250
Total ^(b)	4,730	70	230	60	0	5,090

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

B. LOW-LEVEL WASTE VOLUMES

In addition to the low-level mixed waste (LLMW) and transuranic and transuranic mixed (TRU(M)) waste described in this document, a large amount of low-level waste (LLW) will also be sent to WHC Solid Waste. Because this waste will require little or no treatment before disposal, it has not been included in previous chapters. The LLW volumes are provided here, however, as a reference. This information, combined with the information in Chapters 2 through 10 of this document, represents the total radioactive and mixed solid waste currently forecast for treatment, storage, and disposal (TSD) at the CWC.¹

B.1. OVERVIEW

Analysis of the LLW life-cycle solid waste volumes indicates:

- Total LLW volume is 353,510 cubic meters.
- Only 29% of the 1995 forecast (last year's) LLW volumes are expected to be managed by Solid Waste. The primary reason for this decrease is that the formerly forecast 1,201,750 cubic meters of LLW from Environmental Restoration is expected to be managed by EM-40 and disposed in the Environmental Restoration Disposal Facility (ERDF).
- Offsite programs is the primary generator of LLW, contributing approximately 48%.
- About 98% percent of the LLW is expected to be contact-handled.
- Environmental Restoration is expected to ship 710 cubic meters of LLW in 1996 since ERDF will not be operational.

B.2. BACKGROUND

All of the major program areas identified in this document are expected to generate LLW. Although the volumes of LLW are considerably greater than the LLMW and TRU(M) waste volumes, they do not represent as great a concern because the vast majority of this waste can be sent directly to disposal. Therefore, it is unlikely that the volumes presented in this section will have a significant impact on the solid waste system.

The primary source for LLW volumes is the annual Solid Waste Forecast data call. As with LLMW and TRU(M) waste, several modifications of the Solid Waste Forecast data were required to ensure consistency with the MYPP/BEMR data calls. The modifications are outlined for each program within its respective section. These modifications were provided by the individual programs and final approval of the data was attained.

B.3. LLW VOLUMES BY PROGRAM AREA

As shown in Figure B.1, a baseline total of 353,510 cubic meters of LLW is expected to be managed by Solid Waste over the life cycle of the site (to 2070). This represents only 29% of the LLW forecast in FY1995 since the Environmental Restoration program will be managing all but

¹ As in other sections of this report, all years refer to fiscal years unless otherwise noted.

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710 cubic meters of their LLW. About half of the LLW forecast for this reporting period is from the Offsite program, which expects to generate 170,830 cubic meters. Other major contributors of LLW include TWRS with 59,110 cubic meters forecast, PNNL at 53,630 cubic meters, Other Programs (Analytical Services, Solid Waste, RCRA Monitoring, and Spent Nuclear Fuel) at 16,760 cubic meters, and Facility Transitions at 9,600 cubic meters.

Figure B.1 also shows minimum and maximum estimates for LLW generation of 195,530 cubic meters and 577,720 cubic meters respectively. These estimates reflect ranges of variation from the baseline volumes provided by the waste generators. Offsite Facilities, TWRS, Other Programs, Liquid Effluent, and Facility Transitions each contribute to the variations from the baseline volume. As with LLMW and TRU(M) waste, minimum and maximum estimates were only supplied by generators completing a this year's forecast. For all other generators, the minimum and maximum volumes were assumed to be the same as the baseline, which accounts for the consistency between the baseline, minimum, and maximum volumes for Non-Programmatic and ER programs.

Figure B.1: Life-Cycle Low-Level Solid Waste Volumes by Program Area (Minimum, Baseline, Maximum)

Figure B.2 shows the baseline, minimum, and maximum annual volumes of LLW from all generators. This figure shows small yearly fluctuations in waste volumes between 1996 and 2029. Within this period the baseline waste volume varies between 4,000 and 8,500 cubic meters. The vast majority of the waste in this time period has been forecast by Offsite, TWRS, PNNL, and Other programs. From 2029 to the end of the life cycle, the waste volume is constant at 3500 cubic meters per year. This reflects the constant waste generation from Offsite, PNNL, and Other programs. During this time period, the maximum and minimum volumes are constant at about 150% and 60% (respectively) of the baseline volumes.

Figure B.2: Annual Low-Level Solid Waste Volumes (Baseline, Maximum, Minimum)

Figure B.3 displays annual LLW baseline, minimum, and maximum volumes for Offsite waste generators. This figure shows high levels of waste generated between 1996 and 2005 with the peak baseline volume of 5,500 cubic meters in 2000. The major waste contributor within this time span is Argonne National Laboratory-East which accounts for up to 30% of the total annual baseline volume. During the period from 1996 to 2005, the minimum and maximum variations from the baseline volume can be as much as $\pm 3,500$ cubic meters. After that time, minimum and maximum variations are less than $\pm 1,000$ cubic meters. The waste volumes are a result of various wastes, including ongoing laboratory operations, anticipated cleanup activities, and future research and operational activities. The minimum and maximum variations are due to uncertainties in cleanup schedules and future research operations.

Figure B.3: Annual Offsite Low-Level Solid Waste Volumes (Baseline, Maximum, Minimum)

Figure B.4 displays the annual baseline, minimum, and maximum volumes for the TWRS program. This program forecasts a baseline volume of approximately 500 cubic meters of waste from 1996 through 2004. In 2005, the volume increases to just under 1,300 cubic meters,

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coinciding with the expected startup of the Low-Level Vitrification Project. In 2009, the volumes increase again due to the startup of the High-Level Vitrification Project and remain between 2,500 and 3,000 cubic meters through 2025. This figure also shows that the minimum and maximum volumes for the TWRS program generally correspond to 50% and 200% of the baseline volume respectively. The minimum volume for LLW is based on a possible decrease in Tank Farm work or increased waste compaction ratios. The maximum volume is based on an increase in Tank Farm work or the compaction program ending and all LLW being sent directly to the Burial Grounds without compaction.

Figure B.4: Annual TWRS Low-Level Solid Waste Volumes (Baseline, Maximum, Minimum) (Life Cycle Ends 2028)

Figure B.5 shows the annual baseline, minimum, and maximum volumes for the PNNL program. This program forecasts a constant baseline volume of approximately 700 cubic meters of waste from 1996 to the end of the life cycle in 2070. The maximum and minimum forecasts are also constant at 200% and 50% above and below the baseline volumes respectively. The maximum and minimum ranges indicate uncertainty due to the unpredictable nature of forecasting R&D waste volumes.

Figure B.5: Annual PNNL Low-Level Solid Waste Volumes (Baseline, Maximum, Minimum)

Figure B.6 displays the LLW volumes from the Other Programs area. The baseline volume is largest in 1996 at about 1,200 cubic meters. The largest contributor during this time span is Analytical Services, followed by Spent Nuclear Fuel. The volume steadily decreases from 1997 to 2002 where it remains fairly constant at 800 cubic meters each year for the remainder of the life cycle (to 2070). This decrease reflects the general decrease in volume shipments from all generators, especially Spent Nuclear Fuel which is not expected to ship any waste volume after 2001. The minimum and maximum volumes are roughly ± 300 cubic meters from the baseline volumes throughout the life cycle.

Figure B.6: Annual Other Programs Low-Level Solid Waste Volumes (Baseline, Maximum, Minimum)

Figure B.7 contains the annual waste volumes for the Facility Transitions program. The figure shows that the baseline volumes are highest in 1996 and 1997 at about 1,000 cubic meters. The major contributor is the Plutonium Finishing Plant which accounts for 38% and 42% of the waste in 1996 and 1997 respectively. The volume then gradually decreases from 1998 to 2008 to approximately 110 cubic meters by 2010. The baseline forecast shows mini peaks in 2011 and

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2016 of about 250 cubic meters. from 2021 to the end of life-cycle, the baseline volume varies from 250 to 500 cubic meters per year. The variation in forecast volume between 2011 to 2029 is due to variation of the Plutonium Finishing Plant waste generator. This year's forecast volume decreases reflects the reduction in waste volume from PUREX (202A) Operations and B-Plant generators.

For the majority of the forecast period, the minimum volume is 50% of the baseline volume. The maximum volume expected is 290% of the baseline volume. The minimum and maximum percentages are based on best engineering judgment for the various waste generators. Uncertainties affecting these estimates include future clean-out activities involving materials and components in uncertain quantities, and uncertain schedules. Higher uncertainty is expected for these generators since most activities will take place in the future.

Figure B.7: Annual Facility Transitions Low-Level Solid Waste Volumes (Baseline, Maximum, Minimum) (Life Cycle Ends 2029)

Figure B.8 shows the baseline, minimum, and maximum volumes for the Liquid Effluent program. Except for 1996 when the waste volume is 200 cubic meters, this program generates LLW at a constant rate of 150 cubic meters per year over the life cycle. The major contributor to the waste volume is the 300 Area Treated Effluent Disposal Facility. The reduction in waste volume is due to the Waste Neutralization Facility which begins with 41 cubic meters in 1996, then decreases to a constant 20 cubic meters from 1997 to 2000, then further decreases to zero for the remainder of the life cycle. The maximum forecast is a steady 20% higher than the baseline. The minimum is 90% lower than the baseline throughout the life cycle ending in 2024 due to the assumption that LLW sludge from TEDF may not meet radioactive release criteria.

Figure B.8: Annual Liquid Effluent Low-Level Solid Waste Volumes (Baseline, Maximum, Minimum) (Life Cycle Ends 2024)

The Non-Programmatic LLW volumes displayed in Figure B.9 show an extended peak of 280 cubic meters per year from 2011 to 2015. This peak is entirely due to the 300 Area Facilities (Non-Transition) generator. Starting in 2019 the volume increases to a level of 110 cubic meters in 2025, then decreases to the end of the life cycle in 2037. The main contributor to this volume during this later phase is the B Plant (Non-Transition) generator. The minimum and maximum volumes were not provided.

Figure B.9: Annual Non-Programmatic Low-Level Solid Waste Volumes (Baseline, Maximum, Minimum) (Life Cycle Ends 2037)

The baseline LLW volume from the Environmental Restoration program is forecast at 710 cubic meters in 1996 only. Because all waste volume shipments are expected in just one year no figure is included. The minimum and maximum volumes were not provided.

B.4. LLW VOLUMES BY WASTE CATEGORY

Figure B.10 contains the overall baseline, minimum, and maximum waste volumes by category. The figure shows that the vast majority, 345,690 cubic meters, or 98% of the LLW is expected to be contact-handled. Although the remote-handled LLW is a small percentage of the total LLW volume, it still represents a significant volume, approximately 7,470 cubic meters. This volume may be especially significant because it will be more difficult to transport and dispose of this waste due to the remote handling requirements. The remote-handled LLW_GTCIII is also reported in the forecast with a baseline volume of 350 cubic meters. This relatively small amount of LLW_GTCIII is not visible on the graph.

Figure B.10: Life-Cycle Low-Level Solid Waste Volumes by Waste Category (Minimum, Baseline, Maximum)

Figure B.11 shows the annual baseline, minimum, and maximum volumes for contact-handled LLW. This figure shows a relatively high level of waste generation in the early years, peaking at approximately 8,400 cubic meters in the year 2000. The major contributors in the early years are Argonne National Laboratory—East, Portsmouth Energy System, Pacific Northwest National Laboratory, University of California—Davis, and 222-S Analytical Laboratory. The volume of contact-handled LLW then decreases to about 6,000 cubic meters in 2004. This decrease is due to the reduction in waste volume from Portsmouth Energy System and Argonne National Laboratory-East. The forecast volume remains relatively steady at around 6,000 cubic meters from 2004 to 2025. TWRS is a major contributor during this period. The linear drop from 2025 to 2028 is a ramp down of TWRS volumes during D&D of the treatment facilities. From 2030 to the end of the life cycle the volume is constant at 3,200 cubic meters. The minimum and maximum volumes of contact-handled LLW vary in general at $\pm 60\%$ from the baseline volumes.

Figure B.11: Annual Contact-Handled LLW Volumes (Baseline, Maximum, Minimum)

The remote-handled LLW volumes shown in Figure B.12 have an initial peak in 1996 at 400 cubic meters. Of the waste volume in 1996, Argonne National Laboratory—East accounts for 50% and the Facility Transitions' B-Plant accounts for 25%. The volume then decreases between 1997 to 2008 to about 100 cubic meters. Between 2009 and 2025 the volume is expected to be constant at 210 cubic meters, due to the High- and Low-Level Vitrification Projects and PNNL. From 2025 to 2029 the volume decreases to 45 cubic meters where it remains constant to the end of the life cycle, due entirely to waste from PNNL. As with the contact-handled LLW, the minimum and maximum volumes for remote-handled LLW vary between 50% to 100% below and above the baseline (respectively).

Figure B.12: Annual Remote-Handled LLW Volumes (Baseline, Maximum, Minimum)

Figure B.13 shows the annual baseline, minimum, and maximum volumes for remote-handled LLW_GTCIII. The expected baseline waste volume is 10 cubic meters from 1996 to 2030, due entirely to shipments from PNNL. From then to the end of the life cycle in 2070, no LLW_GTCIII is expected. The figure also shows that the maximum forecast is 200% of the

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baseline while the minimum forecast is 50%. The minimum and maximum waste % assumptions were based on the variability in R&D projects.

Figure B.13: Annual Remote-Handled LLW_GTCIII Volumes (Baseline, Maximum, Minimum)

B.5. LLW VOLUMES BY WASTE GENERATOR

LLW is expected to be generated by 60 waste generators that will send waste to the CWC. Table B.1 lists the volumes of contact-handled LLW and remote-handled LLW by generator and program area. Those generators expected to ship at least 10,000 cubic meters of LLW are listed below by program area:

Offsite Facilities

Brookhaven National Laboratory, Portsmouth Energy Systems, Argonne National Laboratory East, Princeton Plasma Physics Laboratory, and Lawrence Berkeley Laboratory

TWRS

High-Level Vitrification Project (HLVP) and Low-Level Vitrification Project (LLVP)

PNNL

Pacific Northwest National Laboratory

Other Programs

Analytical Services (222-S Analytical Laboratory) and RCRA Monitoring (Well Drilling-Environmental Projects)

Facility Transitions, Liquid Effluent, Non-Programmatic, and Environmental Restoration do not have any generators that are expected to generate more than 10,000 cubic meters of LLW.

Most of the primary waste generators of LLW are also primary generators of LLMW and TRU(M) and have been described in the main document. Those that have not been described are discussed here in order of largest to smallest generators.

- **Brookhaven National Laboratory (BRKHVN)**

Brookhaven is a research laboratory that will generate miscellaneous solid laboratory, reactor, and accelerator wastes. Some waste will also be generated from D&D activities. The

generator has indicated minimum and maximum ranges of 80% to 120% respectively for LLW generation. This indicates that the generator is fairly confident that the waste will be generated and that the volume estimate is fairly accurate.

- **Portsmouth Energy Systems (PORTSMOUTH_ES)**

Portsmouth Energy Systems will generate various LLW stream from various site-wide clean-up activities. These LLW include: concrete debris, glass debris, soil and sludges, heterogeneous debris (wood, metal, filters, small appliances, bricks, and construction debris), and classified metal debris (metal equipment/material from the enrichment process.) The maximum and minimum forecasts are at a constant $\pm 50\%$ of the baseline volume. These uncertainties are due to disposal plans still in the planning phase and that there is a degree of uncertainty that the final disposal site will be WHC.

- **Princeton Plasma Physics Laboratory (PRINCETON)**

Miscellaneous wastes will be generated from operation and shutdown of the Tokamak Fusion Test Reactor (TFTR) located at Princeton, including compactable solids, High Efficiency Particulate Air (HEPA) filters, lab packs, stainless steel and other metals, and other materials. In particular, during the TFTR shutdown and removal project scheduled for 1995 - 1997, large quantities of waste will be produced.

There are no routine sources of mixed wastes at Princeton. The HEPA filters are no longer tested with DOP. Mixed waste elimination/minimization activities are expected to limit the sources of LLMW at Princeton.

The minimum forecast varies between 30% to 50% of the baseline. The maximum forecast is at a constant 50% higher than the baseline. Minimum waste quantity is based on TFTR shutdown and removal operations being delayed by one year. Maximum waste quantity is based on activation of many more components in the test cell basement.

- **Low-Level Vitrification Project (WHC_LLVP)**

LLVP is a treatment/ processing facility for low-activity tank waste. Secondary waste will be generated from activities such as spill cleanup and decontamination, general maintenance and housekeeping, and laboratory activities. The waste will generally consist of contaminated failed equipment, metals, paper, plastic, rubber, and other miscellaneous debris. Failed melters are not included. The minimum range for this waste generator is 0% in the first year of expected operations (2005) and 50% for the remaining years of operation. The maximum range is 200% for all years of operation. This indicates that the waste generator is uncertain about waste generation volumes because the facility is not yet operational.

- **Lawrence Berkeley Laboratory (LBL)**

Wastes are generated primarily from laboratory experiments and miscellaneous maintenance activities. LLW includes equipment, material, experimental waste, drummed and boxed materials, and other research-related waste. The minimum and maximum volume forecasts are similar to the baseline forecasts throughout LBL's life cycle except for the period from 2000 to 2004. In this 5-year period, the minimum and maximum vary at $\pm 50\%$ of the baseline respectively. The minimum estimate assumes that all contact-handled LLW will be disposed of provided funding is continuously available. The estimate also assumes that up to 50% of the contact-handled LLW (D&D waste) during FY2000 would be delayed for

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shipment due to unforeseen problems in the first year, such as a funding delay. The maximum estimate assumes that additional contact-handled LLW will be generated at LBL due to additional projects being initiated that are not accounted for in the best estimate. It also assumes that 50% of the delayed waste may be handled in one of the subsequent years. So the maximum forecasts for each year from 2001 to 2004 could be 50% higher than the baseline volume.

Table B.1: Low-Level Waste Generator Volumes by Program Area (m³)^(a)

Waste Generator	CH_LLW	RH_LLW	RH_LLW_ GTCIII	Total^(b)
Offsite				
Brookhaven National Laboratory	74,880	10	0	74,890
Portsmouth Energy Systems	34,810	0	0	34,810
Argonne National Laboratory—East	20,200	220	0	20,430
Princeton Plasma Physics Laboratory	18,000	0	0	18,000
Lawrence Berkeley Laboratory	10,870	0	0	10,870
FERMI National Accelerator Laboratory	3,350	0	0	3,350
University of California—Davis	1,870	0	0	1,870
Stanford Linear Accelerator Center	1,750	0	0	1,750
Battelle Columbus Laboratories	1,270	0	0	1,270
Rockwell—Canoga Park	930	0	0	930
General Atomics	840	5	0	850
Paducah Energy Systems	710	0	0	710
Bates Accelerator—Massachusetts	480	0	0	480
Knolls Atomic Power—Shipyards	240	0	0	240
EG&G Rocky Flats Plant	220	0	0	220
Ames Laboratory—Ames, Iowa	110	0	0	110
Bettis Atomic Power—Shipyards	40	0	0	40
University of Utah	20	0	0	20
Bettis Atomic Power—Laboratory	0.3	0	0	0.3
Subtotal ^(b)	170,590	240	0	170,830

Table B.1: Low-Level Waste Generator Volumes by Program Area (Continued)

Waste Generator	CH_LLW	RH_LLW	RH_LLW_ GTCIII	Total ^(b)
TWRS				
High-Level Vitrification Project	23,300	2,350	0	25,650
Low-Level Vitrification Project	12,760	490	0	13,250
SST/DST Tank Farm Operations	9,640	0	0	9,640
Tank Waste Pretreatment Facility	6,660	340	0	7,000
DST Retrieval Systems (10 tanks)	1,980	0	0	1,980
W343 DST Retrieval (17 tanks)	670	0	0	670
SST Retrieval (149 tanks)	600	0	0	600
SST Tank 106C Sluicing	170	0	0	170
Aging Waste Transfer Lines	120	0	0	120
Tank Farm Ventilation Upgrade	30	0	0	30
DST 101AZ Retrieval (1 tank)	4	0	0	4
Subtotal ^(b)	55,930	3,180	0	59,110
Pacific Northwest National Laboratories				
Pacific Northwest National Laboratories	49,500	3,780	350	53,630
Analytical Services				
222-S Analytical Laboratory	25,560	0	0	25,560
6266 Waste Sampling & Characterization Facility	150	0	0	150
Subtotal	25,710	0	0	25,710
RCRA Monitoring				
Well Drilling—Environmental Projects (RCRA)	22,500	0	0	22,500
Facility Transitions				
Plutonium Finishing Plant	8,370	0	0	8,370
PUREX (202A) Operations	590	0	0	590
FFTF	260	130	0	390
300 Area Fuel Supply	250	0	0	250
Legacy Facilities Transition	0.06	0	0	0.06
Subtotal ^(b)	9,470	130	0	9,600

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Table B.1: Low-Level Waste Generator Volumes by Program Area (Continued)

Waste Generator	CH_LLW	RH_LLW	RH_LLW_ GTCIII	Total ^(b)
Liquid Effluent				
300 Area Treated Effluent Disposal Facility (Project L045H)	4,360	0	0	4,360
Waste Neutralization Facility (340/307 Buildings)	120	0	0	120
Subtotal	4,480	0	0	4,480
Solid Waste				
221T/2706T T-Plant Operations	2,550	70	0	2,620
218E/W Low-Level Burial Grounds	460	0	0	460
224 T TRU Storage and Assay Facility (TRUSAF)	10	0	0	10
Subtotal	3,020	70	0	3,090
Non-Programmatic				
300 Area Facilities—Non-Transition	1,410	10	0	1,420
REDOX—Non-Transition	300	0	0	300
PUREX—Non-Transition	170	0	0	170
400 Area Facilities—Non-Transition	70	30	0	100
B Plant—Non-Transition	80	9	0	90
T Plant—Non-Transition	80	0	0	80
PFP—Non-Transition	70	0	0	70
Site Support—Non-Transition	50	0.5	0	50
U Plant—Non-Transition	30	0.3	0	30
Subtotal ^(b)	2,270	60	0	2,330
Spent Nuclear Fuel				
100K K-Basin Operations	1,190	20	0	1,210
K-Basin Fuel Sampling Project	310	0	0	310
Subtotal	1,500	20	0	1,520
EM-40 (Environmental Restoration)				
BHI Surplus Facilities	710	0	0	710
Total^(b)	345,690	7,470	350	353,510

^(a) Numbers over 10 m³ are rounded to the nearest 10 m³. Numbers less than 10 m³ are rounded to one significant digit.

^(b) Sums of individual values may not match totals due to rounding.

C. STANDARD REPORTS—SW FORECAST DATABASE

The following is a list of standard reports currently available from the 1995 Solid Waste Forecast Database (SWFD). Printouts of these reports can be obtained from WHC Systems Engineering by contacting A.O. Vance at (509) 372-3689 or O.J. Valero at (509) 373-4752. Specific reports can also be produced upon request.

Table C.1: Standard Reports from the 1995 Solid Waste Forecast Database

Report ID	Report Name	Description	Sort Order
E100	SWFD Report List	FY1995 SWFD list of currently available reports.	Report ID
E101	Waste Generator Group List—All WGs	List of all waste generators in alphabetical order by Program. Stored waste generators are included.	Program, WG
E102	Waste Generator List—Forecast WGs only	List of waste generators in alphabetical order by waste generator abbreviation. Excludes "stored waste" waste generators.	WG
E102A	Waste Generator List—All WGs	List of all waste generators in alphabetical order by waste generator abbreviation.	WG
E109	WClass, Cont Vols by Yr	Annual container volumes by waste class (elsewhere referred to as waste category).	WClass, Cont
E110	WClass, PWF Vols by Yr	Annual physical waste form volumes by waste class.	WClass, PWF
E111	WClass, HCD Vols by Yr	Annual hazardous constituent volumes by waste class.	WClass, HCD
E113	WClass, PWF, HCD Vols by Yr	Annual hazardous constituent volumes by physical waste form and waste class.	WClass, PWF, HCD
E114	WClass, PWF, HCD, Cont Vols by Yr	Annual hazardous constituent volumes by physical waste form, container, and waste class.	WClass, PWF, HCD, Cont
E115	WClass, PWF, Cont Vols by Yr	Annual container volumes by physical waste form and waste class.	WClass, PWF, Cont
E116	WClass, Cont, PWF Vols by Yr	Annual physical waste form volumes by container and waste class.	WClass, Cont, PWF
E117	WClass, WG Vols by Yr	Annual waste generator volumes by waste class.	WClass, WG
E118	WG, WClass Vols by Yr	Annual waste class volumes by waste generator.	WG, WClass
E119	WClass Vols by Yr	Annual waste class volumes.	WClass

Cont Container
HCD Hazardous Constituent Descriptor
Pct Percent
PWF Physical Waste Form
SWFD Solid Waste Forecast Database

Vol Volume
WClass Waste Class (elsewhere referred to as waste category)
WG Waste Generator
Yr Year

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Table C.1: Standard Reports from the 1995 Solid Waste Forecast Database (Continued)

Report ID	Report Name	Description	Sort Order
E120	WG, WClass Vols by Yr (Cubic Feet)	Annual waste class volumes in cubic feet by waste generator.	WG, WClass
E121	WG, Cont Vols by WClass	Container volumes by waste generator and waste class.	WG, Cont
E122	WG, PWF Vols by WClass	Physical waste form volumes by waste generator and waste class.	WG, PWF
E123	WG, HCD Vols by WClass	Hazardous constituent volumes by waste generator and waste class.	WG, HCD
E504	General Notepad—by Date	General Notepad sorted by date note was created.	Date
E505	General Notepad—by WG	General Notepad sorted by waste generator abbreviation.	WG
E514	WG, WClass, Cont, PWF Pcts by Yr	Annual physical waste form percentages by container, waste class, and waste generator.	WG, WClass, Cont, PWF
E515	WG, WClass Cont Pcts by Yr	Annual container percentages by waste class and waste generator.	WG, WClass, Cont
E516	WG, WClass, Cont, PWF, HCD Pcts by Yr	Annual hazardous constituent percentages by physical waste form, container, waste class, and waste generator.	WG, WClass, Cont, PWF, HCD

Cont Container
HCD Hazardous Constituent Descriptor
Pct Percent
PWF Physical Waste Form
SWFD Solid Waste Forecast Database

Vol Volume
WClass Waste Class (elsewhere referred to as waste category)
WG Waste Generator
Yr Year

D. WASTE GENERATOR LIST BY HANFORD PROGRAM AREA

Table D.1: Programs, Waste Generators, and Old and New Abbreviations¹
(ordered alphabetically by program and FY1996 Report abbreviation)

Program	Waste Generator	FY1996 Report Abbreviation	FY1995 Report Abbreviation	FY1994 Report Abbreviation
Analytical Services	222-S Analytical Laboratory	WHC_ANALYT_LAB	WHC_ANALYT_LAB	WHC_222S
	6266 Waste Sampling & Characterization Facility	WHC_WSCF	NA	NA
EM-40 (Environmental Restoration)	BHI Surplus Facilities	BHI_SURPLS_FAC	WHC_SURPLS_FAC	WHC_SURPLS_FAC
Facility Transitions	B-Plant	WHC_B_PLANT	WHC_B_PLANT	WHC_225B
	FFTF	WHC_FFTF	WHC_FFTF_MAIN	WHC_FFTF_MAINT
	308 Fuels Development Laboratory	WHC_FFTF	WHC_FUEL_DEV	WHC_308
	309 PRTR Vault Waste (Ion Exchange Mod)	WHC_FFTF	NA	NA
	335 Sodium Test Facility	WHC_FFTF	WHC_SODIUM_TEST	WHC_335
	Legacy Facilities Transition	WHC_FFTF	NA	NA
	300 Area Fuel Supply	WHC_FUEL_TRANS	WHC_FUEL_TRANS	WHC_303K
	Plutonium Finishing Plant	WHC_PFP	WHC_PFP	WHC_2345Z
	Purex (202A) Operations	WHC_PUREX	WHC_PUREX	WHC_202A
	105DR Large Sodium Fire Facility	WHC_SODIUM_FAC	WHC_SODIUM_FAC	WHC_105DR
Landlord (EM-60)	Kaiser Construction Services-100 Area	KHC_100	KEH_100	KEH_100
	284E East Powerhouse	KHC_200_PWR	WHC_200_PWR	WHC_284E
	384 Power House, 300 Area	KHC_300_PWR	WHC_300_PWR	WHC_384
	2101M FSS Electric Utilities	KHC_ELEC_UTIL	WHC_ELEC_UTIL	WHC_2101M
	1171 FSS Fleet Maintenance	KHC_FLEET_MAIN	WHC_FLEET_MAIN	WHC_1171

¹ The primary reason for changes to waste generator abbreviations is to make them more descriptive; however, it should be noted that the facilities included in each generator's forecast may change from year to year (some are added, some deleted).

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Table D.1: Programs, Waste Generators, and Old and New Abbreviations (Continued)

Program	Waste Generator	FY1996 Report Abbreviation	FY1995 Report Abbreviation	FY1994 Report Abbreviation
Landlord (Continued)	2715EA General Area Services North	KHC_GAS_NORTH	WHC_GAS_NORTH	WHC_2715EA
	General Area Services South	KHC_GAS_SOUTH	WHC_GAS_SOUTH	WHC_S300
	1171 FSS Transportation	KHC_TRANSPORT	WHC_TRANSPORT	NA
Liquid Effluent	200 Area Effluent Treatment Facility (Project C018H)	WHC_200 ETF	WHC_200 ETF	WHC_PX_C018H
	300 Area Treated Effluent Disposal Facility (Project L045H)	WHC_300 TEDF	WHC_300 TEDF	WHC_L045
	Waste Neutralization Facility (340/307 Buildings)	WHC_WASTE_NEUT	WHC_WASTE_NEUT	WHC_340
Non-Programmatic	BCSR Computer Service Federal Bldg.	BCS_FED	WHC_FED	WHC_FED
	1154 Radio Maintenance-3000 Area	BCS_RADIO_MAIN	WHC_RADIO_MAIN	WHC_1154_3000
	1100 Area Facilities—Non-Transition	NP_1100_TR	NA	NA
	300 Area Facilities—Non-Transition	NP_300_TR	NA	NA
	3000 Area Facilities—Non-Transition	NP_3000_TR	NA	NA
	400 Area Facilities—Non-Transition	NP_400_TR	NA	NA
	600 Area Facilities—Non-Transition	NP_600_TR	NA	NA
	B Plant—Non-Transition	NP_B_PLANT_TR	NA	NA
	PFP—Non-Transition	NP_PFP_TR	NA	NA
	PUREX—Non-Transition	NP_PUREX_TR	NA	NA
	REDOX—Non-Transition	NP_REDOX_TR	NA	NA
	Site Support—Non-Transition	NP_SITE_SUP_TR	NA	NA
	T Plant—Non-Transition	NP_T_PLANT_TR	NA	NA
	U Plant—Non-Transition	NP_U_PLANT_TR	NA	NA
	Buried Equipment (PSS/TFS) 1992	WHC_BQUIP	WHC_BQUIP	WHC_BQUIP
	1163 Procurement and Material Management	WHC_PROCURMENT	WHC_PROCURMENT	WHC_1163

Appendix D: Waste Generator List by Hanford Program Area

Table D.1: Programs, Waste Generators, and Old and New Abbreviations (Continued)

Program	Waste Generator	FY1996 Report Abbreviation	FY1995 Report Abbreviation	FY1994 Report Abbreviation
Offsite	Ames Laboratory— Ames, Iowa	AMES	AMES	AMES
	Argonne National Laboratory—East	ANL_E	ANL_E	ANL_E
	University of California— Davis	B_LEHR_DAV	B_LEHR_DAV	B_LEHR_DAV
	Bettis Atomic Power— Laboratory	BAPL	BAPL	BAPL
	Bettis Atomic Power— Shipyards	BAPL_SHIPYDS	BAPL_SHIPYDS	BAPL_SHIPYDS
	Battelle Columbus Laboratories	BAT_CLBS_LAB	BAT_CLBS_LAB	BAT_CLBS_LAB
	Brookhaven National Laboratory	BRKHVN	BRKHVN	BRKHVN
	EG&G Rocky Flats Plant	EG&G	EG&G	EG&G
	FERMI National Accelerator Laboratory	FERMI	FERMI	FERMI
	General Atomics	GEN_ATOM	GEN_ATOM	GEN_ATOM
	Knolls Atomic Power— Laboratory	KAPL	KAPL	NA
	Knolls Atomic Power— Shipyards	KAPL_SHIPYDS	KAPL_SHIPYDS	KAPL_SHIPYDS
	Lawrence Berkeley Laboratory	LBL	LBL	LBL
	Bates Accelerator— Massachusetts	MIT_BATES	MIT_BATES	MIT_BATES
	Paducah Energy Systems	PADUCAH_ES	PADUCAH_ES	PADUCAH_ES
	Pearl Harbor Naval Shipyards	PEARL_HARBOR	NA	NA
	Portsmouth Energy Systems	PORTSMOUTH_ES	PORTSMOUTH_ES	PORTSMOUTH
	Portsmouth Naval Shipyards	PORTSMOUTH_NS	NA	NA
	Princeton Plasma Physics Laboratory	PRINCETON	PRINCETON	PRINCETON
	Puget Sound Naval Shipyards	PUGET_SOUND	NA	NA
	Rockwell—Canoga Park	RKW_CANOGA	RKW_CANOGA	RKW_CANOGA

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Table D.1: Programs, Waste Generators, and Old and New Abbreviations (Continued)

Program	Waste Generator	FY1996 Report Abbreviation	FY1995 Report Abbreviation	FY1994 Report Abbreviation
Offsite (Continued)	Stanford Linear Accelerator Center	STANFORD	STANFORD	STANFORD
	University of Utah	U_U	U_U	U_U
Pacific Northwest National Laboratories	Pacific Northwest National Laboratories	PNL	PNL	PNL
RCRA Monitoring	Well Drilling—Environmental Projects (RCRA)	WHC_WELL_DRL	WHC_WELL_DRL	WHC_WELL_DRL
Solid Waste	218E/W Low Level Burial Grounds	WHC_LLBG	WHC_LLBG	WHC_LLBG
	221T/2706T T-Plant Operations	WHC_T_PLANT	WHC_T_PLANT	WHC_221T
	224 T TRU Storage and Assay Facility (TRUSAF)	WHC_TRUSAF	WHC_TRUSAF	WHC_TRUSAF
Spent Nuclear Fuel	100K K-Basin Operations	WHC_K_OPER	WHC_K_BASIN	WHC_100K
	K-Basin Fuel Sampling Project	WHC_K_PROJECT	NA	NA
TWRS	W343 DST Retrieval (17 tanks)	WHC_DST_RET	WHC_DST_RET	WHC_DST_RET
	High Level Vitrification Project	WHC_HLVP	WHC_HLVP	WHC_HWVP
	Low Level Vitrification Project	WHC_LLVP	WHC_LLVP	WHC_GROUT
	Tank Waste Pretreatment Facility	WHC_PRETRT_TW	WHC_PRETRT_TW	NA
	SST Long Length Equipment	WHC_SST_LLE	WHC_SST_LLE	WHC_SST_LLE
	SST Retrieval (149 tanks)	WHC_SST_RET	WHC_SST_RET	WHC_SST_RET
	SST/DST Tank Farm Operations	WHC_TF_OPER	WHC_TF_OPER	WHC_2ETF
	Tank Farm Ventilation Upgrade	WHC_TWP_W030	WHC_TWP_W030	WHC_TWP_W030
	Aging Waste Transfer Lines	WHC_TWP_W058	WHC_TWP-W028	WHC_TWP_W028
	DST 101AZ Retrieval (1 tank)	WHC_TWP_W151	WHC_TWP_W151	WHC_TWP_W151

Appendix D: Waste Generator List by Hanford Program Area

Table D.1: Programs, Waste Generators, and Old and New Abbreviations (Continued)

Program	Waste Generator	FY1996 Report Abbreviation	FY1995 Report Abbreviation	FY1994 Report Abbreviation
TWRS (Continued)	DST Retrieval Systems (10 tanks)	WHC_TWP_W211	WHC_TWP_W211	WHC_TWP_W211
	Tank Farm Restoration	WHC_TWP_W314	WHC_TWP_W314	WHC_TWP_W314
	SST Tank 106C Sluicing	WHC_TWP_W320	WHC_TWP_W320	WHC_TWP_106C

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FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary Volume II

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3. Product/Report Description

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- (1) ☒ Print ☐ Nonprint (specify) _____
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Name O.J. Valero

Phone 509-373-4752

Position Author

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E. ANNUAL WASTE CLASS, WASTE GENERATOR VOLUMES

Notes:

Volumes are in cubic meters.

Grand Totals include LLW and Hazardous Waste. As a result, these totals will not equal totals found in Volume I.

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

Analytical Services

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_ANALYT_LAB	Min	20,445		363.2	324.8	321.6	321.6	321.6	285.6	285.6	285.6	285.6	285.6	285.6
	Vol	25,556		454.	406.	402.	402.	402.	357.	357.	357.	357.	357.	357.
	Max	30,667		544.8	487.2	482.4	482.4	482.4	428.4	428.4	428.4	428.4	428.4	428.4
WHC_WSCF	Min	113		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	150		2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	188		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	20,557		365	326	323	323	323	287	287	287	287	287	287
	Vol	25,706		456	408	404	404	404	359	359	359	359	359	359
	Max	30,855		547	490	485	485	485	431	431	431	431	431	431

EM-40 (Environmental Restoration)

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
BHI_SURPLS_FAC	Min	710		710.										
	Vol	710		710.										
	Max	710		710.										
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	710		710										
	Vol	710		710										
	Max	710		710										

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

Analytical Services

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_ANALYT_LAB	Min	286	286	285.6	285.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	357	357	357.	357.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	428	428	428.4	428.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
WHC_WSCF	Min	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	3	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	287	287	287	287	267	267	267	267	267	267	267	267	267
	Vol	359	359	359	359	334	334	334	334	334	334	334	334	334
	Max	431	431	431	431	401	401	401	401	401	401	401	401	401

EM-40 (Environmental Restoration)

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

Analytical Services

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_ANALYT_LAB	Min	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
WHC_WSCF	Min	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	267	267	267	267	267	267	267	267	267	267	267	267	267
	Vol	334	334	334	334	334	334	334	334	334	334	334	334	334
	Max	401	401	401	401	401	401	401	401	401	401	401	401	401

EM-40 (Environmental Restoration)

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

Analytical Services

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_ANALYT_LAB	Min	266	266	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	332	332	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	398	398	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
WHC_WSCF	Min	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	3	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	267	267	267	267	267	267	267	267	267	267	267	267	267
	Vol	334	334	334	334	334	334	334	334	334	334	334	334	334
	Max	401	401	401	401	401	401	401	401	401	401	401	401	401

EM-40 (Environmental Restoration)

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

Analytical Services

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_ANALYT_LAB	Min	266	266	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	332	332	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	398	398	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
WHC_WSCF	Min	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	3	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	267	267	267	267	267	267	267	267	267	267	267	267	267
	Vol	334	334	334	334	334	334	334	334	334	334	334	334	334
	Max	401	401	401	401	401	401	401	401	401	401	401	401	401

EM-40 (Environmental Restoration)

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

Analytical Services

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_ANALYT_LAB	Min	266	266	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	
	Vol	332	332	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	
	Max	398	398	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	
WHC_WSCF	Min	2	2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	
	Max	3	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	267	267	267	267	267	267	267	267	267	267	267	267	
	Vol	334	334	334	334	334	334	334	334	334	334	334	334	
	Max	401	401	401	401	401	401	401	401	401	401	401	401	

EM-40 (Environmental Restoration)

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_FFTF	Min	124		11.3	20.8	34.5	50.5	3.2	3.2					
	Vol	248		23.	41.6	69.1	101.1	6.4	6.4					
	Max	371		34.3	62.4	103.6	151.6	9.6	9.6					
WHC_FUEL_TRANS	Min	249		159.6	56.	33.2								
	Vol	249		159.6	56.	33.2								
	Max	249		159.6	56.	33.2								
WHC_LEGACY	Min				.1									
	Vol				.1									
	Max				.1									
WHC_PFP	Min	3,202		146.8	163.2	182.7	183.9	171.8	175.3	187.	157.8	139.	135.9	135.9
	Vol	6,540		293.6	326.4	365.5	367.8	343.6	350.6	374.1	315.5	278.	271.8	271.8
	Max	19,619		880.9	979.31	1,096.41	1,103.51	1,030.81	1,051.91	1,122.2	946.5	834.	815.3	815.3
WHC_PUREX	Min	294		97.5	196.5									
	Vol	588		195.	393.									
	Max	1,176		390.	786.									

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	3,869		415	437	250	234	175	179	187	158	139	136	136
	Vol	7,624		671	817	468	469	350	357	374	316	278	272	272
	Max	21,415		1,465	1,884	1,233	1,255	1,040	1,062	1,122	947	834	815	815

Ship Effluent

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_300_TEDF	Min	436		15.9	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	4,359		159.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Max	5,231		190.8	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.
WHC_WASTE_NEUT	Min	12		4.1	2.	2.	2.	2.						
	Vol	121		41.	20.	20.	20.	20.						
	Max	145		49.2	24.	24.	24.	24.						

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	448		20	17	17	17	17	15	15	15	15	15	15
	Vol	4,480		200	170	170	170	170	150	150	150	150	150	150
	Max	5,376		240	204	204	204	204	180	180	180	180	180	180

CH_LLW_I**Facility Transitions**

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min	67	20	20.3	20.3	94.1					67.2			
	Vol	269	41	40.6	40.6	188.2					134.3			
	Max	808	122	121.8	121.8	564.6					403.			
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	67	20	20	20	94					67			
	Vol	269	41	41	41	188					134			
	Max	808	122	122	122	565					403			

Liquid Effluent

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_300_TEDF	Min	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	150	150	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Max	180	180	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	15	15	15	15	15	15	15	15	15	15	15	15	15
	Vol	150	150	150	150	150	150	150	150	150	150	150	150	150
	Max	180	180	180	180	180	180	180	180	180	180	180	180	180

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Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min		67.2	67.2	67.2	67.2	173.	173.	173.	173.	173.			
	Vol		134.3	134.3	134.3	134.3	346.	346.	346.	346.	346.			
	Max		403.	403.	403.	403.	1,037.91	1,037.91	1,037.91	1,037.91	1,037.9			
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		67	67	67	67	173	173	173	173	173			
	Vol		134	134	134	134	346	346	346	346	346			
	Max		403	403	403	403	1,038	1,038	1,038	1,038	1,038			

Liquid Effluent

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_300_TEDF	Min	15.	15.	15.	15.	15.								
	Vol	150.	150.	150.	150.	150.								
	Max	180.	180.	180.	180.	180.								
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	15	15	15	15	15								
	Vol	150	150	150	150	150								
	Max	180	180	180	180	180								

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Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_FTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_300_TEDF	Min													
	Vol													
	Max													
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Facility Transitions

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_300_TEDF	Min													
	Vol													
	Max													
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

CH_LLW_I

Facility Transitions

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_300_TEDF	Min													
	Vol													
	Max													
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Non-Programmatic														
Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NP_300_TR	Min	1,176												
	Vol	1,176												
	Max	1,176												
NP_400_TR	Min	64												
	Vol	64												
	Max	64												
NP_B_PLANT_TR	Min	41												
	Vol	41												
	Max	41												
NP_PFP_TR	Min	55												
	Vol	55												
	Max	55												
NP_PUREX_TR	Min	172												
	Vol	172												
	Max	172												
NP_REDOX_TR	Min	298												
	Vol	298												
	Max	298												
NP_SITE_SUP_TR	Min	45												
	Vol	45												
	Max	45												
NP_T_PLANT_TR	Min	81												
	Vol	81												
	Max	81												
NP_U_PLANT_TR	Min	27												
	Vol	27												
	Max	27												
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,961												
	Vol	1,961												
	Max	1,961												

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NP_300_TR	Min					235.3	235.3	235.3	235.3	235.3				
	Vol					235.3	235.3	235.3	235.3	235.3				
	Max					235.3	235.3	235.3	235.3	235.3				
NP_400_TR	Min													12.8
	Vol													12.8
	Max													12.8
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min					235	235	235	235	235				13
	Vol					235	235	235	235	235				13
	Max					235	235	235	235	235				13

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

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Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min	12.8	12.8	12.8	12.8									
	Vol	12.8	12.8	12.8	12.8									
	Max	12.8	12.8	12.8	12.8									
NP_B_PLANT_TR	Min		8.2	8.2	8.2	8.2	8.2							
	Vol		8.2	8.2	8.2	8.2	8.2							
	Max		8.2	8.2	8.2	8.2	8.2							
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min				34.3	34.3	34.3	34.3	34.3					
	Vol				34.3	34.3	34.3	34.3	34.3					
	Max				34.3	34.3	34.3	34.3	34.3					
NP_REDOX_TR	Min						59.7	59.7	59.7	59.7	59.7			
	Vol						59.7	59.7	59.7	59.7	59.7			
	Max						59.7	59.7	59.7	59.7	59.7			
NP_SITE_SUP_TR	Min								9.	9.	9.	9.	9.	
	Vol								9.	9.	9.	9.	9.	
	Max								9.	9.	9.	9.	9.	
NP_T_PLANT_TR	Min										16.3	16.3	16.3	16.3
	Vol										16.3	16.3	16.3	16.3
	Max										16.3	16.3	16.3	16.3
NP_U_PLANT_TR	Min												5.5	5.5
	Vol												5.5	5.5
	Max												5.5	5.5
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	13	21	21	55	43	102	94	103	69	85	25	31	22
	Vol	13	21	21	55	43	102	94	103	69	85	25	31	22
	Max	13	21	21	55	43	102	94	103	69	85	25	31	22

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min	11	11	11.	11.	11.								
	Vol	11	11	11.	11.	11.								
	Max	11	11	11.	11.	11.								
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min	16												
	Vol	16												
	Max	16												
NP_U_PLANT_TR	Min	5	5	5.5										
	Vol	5	5	5.5										
	Max	5	5	5.5										
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	33	16	16	11	11								
	Vol	33	16	16	11	11								
	Max	33	16	16	11	11								

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CH_LLW_I

Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

CH_LLW_I

Non-Programmatic

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Offsite

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
AMES	Min	55		3.2	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Vol	111		6.4	6.4	6.4	6.4	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	Max	166		9.5	9.5	9.5	9.5	4.8	4.8	4.8	4.8	4.8	4.8	4.8
ANL_E	Min													
	Vol	19,394		771.7	421.6	557.7	393.5	1,336	1,010	216	216	216	216	216
	Max	19,394		771.7	421.6	557.7	393.5	1,336	1,010	216	216	216	216	216
B_LEHR_DAV	Min	467		113.3	35.4	35.4	35.4	70.8	70.8	70.8	35.4			
	Vol	1,870		453.1	141.6	141.6	141.6	283.3	283.3	283.3	141.6			
	Max	3,017		679.7	283.3	283.3	283.3	424.9	424.9	424.9	212.5			
BAPL	Min			.3										
	Vol			.3										
	Max			.3										
BAPL_SHIPYDS	Min													
	Vol	37		34.5										
	Max	37		34.5										
BAT_CLBS_LAB	Min	144		29.5	29.5	28.3	28.3	28						
	Vol	1,274		226.6	226.6	283.2	283.2	254.9						
	Max	1,698		339.8	339.8	339.8	339.8	339						
BRKHVN	Min	59,905		237.9	249.8	298.3	275.4	289.1	303.6	318.8	334.7	351.5	369	387.5
	Vol	74,882		297.4	312.2	372.8	344.2	361.4	379.5	398.5	418.4	439.3	461.3	484.4
	Max	89,858		356.8	374.7	447.4	413.1	433.7	455.4	478.2	502.1	527.2	553.6	581.2
EG&G	Min													
	Vol	218		43.5	43.5	43.5	43.5	43.5						
	Max	435		87	87	87	87	87						
FERMI	Min	1,661		22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	3,354	31	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	6,676		88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GEN_ATOM	Min	760		189.4	189.4	189.4	192							
	Vol	845		210.4	210.4	210.4	213.3							
	Max	1,267		315.6	315.6	315.6	320							
LBL	Min	9,785		98	78	78	78	933	1,866	1,866	1,866	1,866	16	16
	Vol	10,718		98	78	78	78	1,866	1,866	1,866	1,866	1,866	16	16
	Max	14,450		98	78	78	78	1,866	2,799	2,799	2,799	2,799	16	16
MIT_BATES	Min	469						9.2					9.2	
	Vol	478	9					9.2					9.2	
	Max	948						18.4					18.4	
PADUCAH_ES	Min	356		4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	713		9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	1,069		14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
PORTSMOUTH_ES	Min	17,378		203	518	518	518	518	518	483.5	483.5	483.5	483.5	483.5
	Vol	34,756		406	1,036	1,036	1,036	1,036	1,036	967	967	967	967	967
	Max	66,719		609	1,554	1,554	1,554	1,554	1,554	1,934	1,934	1,934	1,934	1,934
PRINCETON	Min	6,000		90	300	180	90	60	60	60	60	60	60	90
	Vol	18,000		300	600	600	300	200	200	200	200	200	200	300
	Max	24,570		390	900	900	600	260	260	260	260	260	260	450

Appendix E: Annual Waste Class, Waste Generator Volumes

CH LLW I

Offsite

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
AMES	Min	2	2	1.6	.8	.8	.8	.8	.8	.8	.8	.8	.4	.4
	Vol	3	3	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	.8	.8
	Max	5	5	4.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.2	1.2
ANL_E	Min													
	Vol	216	216	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216	216	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
B_LEHR_DAV	Min													
	Vol													
	Max													
BAPL	Min													
	Vol													
	Max													
BAPL_SHIPYDS	Min													
	Vol						2.8							
	Max						2.8							
BAT_CLBS_LAB	Min													
	Vol													
	Max													
BRKHVN	Min	407	427	448.6	471.	494.6	519.3	545.3	572.5	601.2	631.2	662.8	695.9	730.7
	Vol	509	534	560.7	588.8	618.2	649.1	681.6	715.7	751.4	789.	828.5	869.9	913.4
	Max	610	641	672.9	706.5	741.9	778.9	817.9	858.8	901.7	946.8	994.21	1,043.91	1,096.1
EG&G	Min													
	Vol													
	Max													
FERMI	Min	22	22	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44	44	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	89	89	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GEN_ATOM	Min													
	Vol													
	Max													
LBL	Min	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
MIT_BATES	Min				9.2					9.2				
	Vol				9.2					9.2				
	Max				18.4					18.4				
PADUCAH_ES	Min	5	5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	10	10	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14	14	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
PORTSMOUTH_ES	Min	484	484	483.5	483.5	483.5	300.	300.	300.	300.	300.	300.	150.	150.
	Vol	967	967	967.	967.	967.	600.	600.	600.	600.	600.	600.	300.	300.
	Max	1,934	1,934	1,934.	1,934.	1,934.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	600.	600.
PRINCETON	Min	300	300	90.	60.	60.	60.	60.	60.	60.	90.	300.	300.	90.
	Vol	600	600	300.	200.	200.	200.	200.	200.	200.	300.	600.	600.	300.
	Max	900	900	450.	260.	260.	260.	260.	260.	260.	450.	900.	900.	450.

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

Offsite

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
AMES	Min	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
ANL_E	Min													
	Vol	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
B_LEHR_DAV	Min													
	Vol													
	Max													
BAPL	Min													
	Vol													
	Max													
BAPL_SHIPYDS	Min													
	Vol													
	Max													
BAT_CLBS_LAB	Min													
	Vol													
	Max													
BRKHVN	Min	767.2	805.6	845.9	888.2	932.6	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
	Vol	959.11,007.	1,057.41,110.21,165.71,224.				1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.
	Max	1,150.91,208.41,268.81,332.31,398.91,468.81,468.81,468.81,468.81,468.81,468.81,468.81,468.8												
EG&G	Min													
	Vol													
	Max													
FERMI	Min	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GEN_ATOM	Min													
	Vol													
	Max													
LBL	Min	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
MIT_BATES	Min	9.2					9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Vol	9.2					9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Max	18.4					18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
PADUCAH_ES	Min	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
PORTSMOUTH_ES	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
PRINCETON	Min	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Vol	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.
	Max	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

Offsite

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
AMES	Min			.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1	1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
ANL_E	Min													
	Vol	216	216	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216	216	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
B_LEHR_DAV	Min													
	Vol													
	Max													
BAPL	Min													
	Vol													
	Max													
BAPL_SHIPYDS	Min													
	Vol													
	Max													
BAT_CLBS_LAB	Min													
	Vol													
	Max													
BRKHVN	Min	979	979	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
	Vol	1,224	1,224	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.
	Max	1,469	1,469	1,468.8	1,468.8	1,468.8	1,468.8	1,468.8	1,468.8	1,468.8	1,468.8	1,468.8	1,468.8	1,468.8
EG&G	Min													
	Vol													
	Max													
FERMI	Min	22	22	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44	44	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	89	89	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GEN_ATOM	Min													
	Vol													
	Max													
LBL	Min	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
MIT_BATES	Min	9	9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Vol	9	9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Max	18	18	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
PADUCAH_ES	Min	5	5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	10	10	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14	14	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
PORTSMOUTH_ES	Min	150	150	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	600	600	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
PRINCETON	Min	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Vol	200	200	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.
	Max	260	260	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

Offsite

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
AMES	Min			.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1	1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
ANL_E	Min													
	Vol	216	216	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216	216	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
B_LEHR_DAV	Min													
	Vol													
	Max													
BAPL	Min													
	Vol													
	Max													
BAPL_SHIPYDS	Min													
	Vol													
	Max													
BAT_CLBS_LAB	Min													
	Vol													
	Max													
BRKHVN	Min	979	979	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
	Vol	1,224	1,224	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.
	Max	1,469	1,469	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81
EG&G	Min													
	Vol													
	Max													
FERMI	Min	22	22	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44	44	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	89	89	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GEN_ATOM	Min													
	Vol													
	Max													
LBL	Min	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
MIT_BATES	Min	9	9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Vol	9	9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Max	18	18	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
PADUCAH_ES	Min	5	5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	10	10	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14	14	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
PORTSMOUTH_ES	Min	150	150	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	600	600	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
PRINCETON	Min	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Vol	200	200	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.
	Max	260	260	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

Offsite

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
AMES	Min			.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1	1	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
ANL_E	Min												
	Vol	216	216	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216	216	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
B_LEHR_DAV	Min												
	Vol												
	Max												
BAPL	Min												
	Vol												
	Max												
BAPL_SHIPYDS	Min												
	Vol												
	Max												
BAT_CLBS_LAB	Min												
	Vol												
	Max												
BRKHVN	Min	979	979	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
	Vol	1,224	1,224	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.
	Max	1,469	1,469	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81
EG&G	Min												
	Vol												
	Max												
FERMI	Min	22	22	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44	44	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	89	89	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
GEN_ATOM	Min												
	Vol												
	Max												
LBL	Min	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16	16	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
MIT_BATES	Min	9	9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Vol	9	9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Max	18	18	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
PADUCAH_ES	Min	5	5	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	10	10	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14	14	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
PORTSMOUTH_ES	Min	150	150	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	600	600	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
PRINCETON	Min	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Vol	200	200	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.
	Max	260	260	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

RKW_CANOGA	Min	735		25.	116.	230.4	309.6	54.4						
	Vol	926	13	25.	145.	288.	387.	68.						
	Max	1,116		37.5	174.	345.6	464.4	81.6						
STANFORD	Min	1,417		87.9	87.9	44.	87.9	8.6	17.2	8.6	17.2	8.6	17.2	8.6
	Vol	1,749	176	87.9	87.9	87.9	87.9	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	2,467		175.8	175.8	87.9	131.9	17.2	25.8	17.2	25.8	17.2	25.8	17.2
U_U	Min													
	Vol	20		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	59		.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	99,134	0	1,104	1,634	1,632	1,645	2,000	2,864	2,836	2,825	2,798	983	1,014
	Vol	169,343	229	3,015	3,363	3,760	3,369	5,533	4,849	4,005	3,883	3,763	1,944	2,058
	Max	233,947		4,009	4,817	5,109	4,778	6,526	6,638	6,238	6,058	5,862	3,132	3,323

Pacific Northwest National Laboratory

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	22,500		300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	45,000		600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	90,000		1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	22,500		300	300	300	300	300	300	300	300	300	300	300
	Vol	45,000		600	600	600	600	600	600	600	600	600	600	600
	Max	90,000		1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200

Waste Management Corporation

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_WELL_DRL	Min	6,750		90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	22,500		300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	33,750		450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	6,750		90	90	90	90	90	90	90	90	90	90	90
	Vol	22,500		300	300	300	300	300	300	300	300	300	300	300
	Max	33,750		450	450	450	450	450	450	450	450	450	450	450

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

RKW_CANOGA	Min													
	Vol													
	Max													
STANFORD	Min	17	9	17.2	8.6	17.2	8.6	17.2	8.6	17.2	8.6	17.2	8.6	17.2
	Vol	17	17	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	26	17	25.8	17.2	25.8	17.2	25.8	17.2	25.8	17.2	25.8	17.2	25.8
U_U	Min													
	Vol			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1,252	1,264	1,084	1,076	1,099	932	966	985	1,031	1,073	1,324	1,198	1,031
	Vol	2,382	2,407	2,134	2,070	2,090	1,757	1,786	1,820	1,865	1,994	2,333	2,074	1,817
	Max	3,810	3,832	3,423	3,274	3,300	2,597	2,642	2,674	2,744	2,952	3,458	2,898	2,509

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600	600	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200	1,200	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	300	300	300	300	300	300	300	300	300	300	300	300	300
	Vol	600	600	600	600	600	600	600	600	600	600	600	600	600
	Max	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200

RCRA Monitoring

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_WELL_DRL	Min	90	90	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450	450	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	90	90	90	90	90	90	90	90	90	90	90	90	90
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	450	450	450	450	450	450	450	450	450	450	450	450	450

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

RKW_CANOGA	Min													
	Vol													
	Max													
STANFORD	Min	8.6	17.2	8.6	17.2	8.6	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Vol	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	17.2	25.8	17.2	25.8	17.2	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
U_U	Min													
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	1,038	1,076	1,108	1,159	1,194	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259
	Vol	1,772	1,811	1,861	1,914	1,970	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037
	Max	2,383	2,431	2,483	2,555	2,613	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710

Pacific Northwest National Laboratory

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	300	300	300	300	300	300	300	300	300	300	300	300	300
	Vol	600	600	600	600	600	600	600	600	600	600	600	600	600
	Max	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200

RCRA Monitoring

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_WELL_DRL	Min	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	90	90	90	90	90	90	90	90	90	90	90	90	90
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	450	450	450	450	450	450	450	450	450	450	450	450	450

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

RKW_CANOGA	Min													
	Vol													
	Max													
STANFORD	Min	17	17	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Vol	17	17	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	26	26	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
U_U	Min													
	Vol			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259
	Vol	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037
	Max	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710

Pacific Northwest National Laboratory

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600	600	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200	1,200	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	300	300	300	300	300	300	300	300	300	300	300	300	300
	Vol	600	600	600	600	600	600	600	600	600	600	600	600	600
	Max	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200

RCRA Monitoring

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_WELL_DRL	Min	90	90	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450	450	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	90	90	90	90	90	90	90	90	90	90	90	90	90
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	450	450	450	450	450	450	450	450	450	450	450	450	450

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

RKW_CANOGA	Min													
	Vol													
	Max													
STANFORD	Min	17	17	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Vol	17	17	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	26	26	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
U_U	Min													
	Vol			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259
	Vol	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037
	Max	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710

Pacific Northwest National Laboratory

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600	600	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200	1,200	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	300	300	300	300	300	300	300	300	300	300	300	300	300
	Vol	600	600	600	600	600	600	600	600	600	600	600	600	600
	Max	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200

RCRA Monitoring

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_WELL_DRL	Min	90	90	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450	450	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	90	90	90	90	90	90	90	90	90	90	90	90	90
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	450	450	450	450	450	450	450	450	450	450	450	450	450

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

RKW_CANOGA	Min												
	Vol												
	Max												
STANFORD	Min	17	17	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Vol	17	17	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	26	26	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
U_U	Min												
	Vol			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
Min		1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	1,259	
Vol		2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	2,037	
Max		2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	2,710	

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	
	Vol	600	600	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	
	Max	1,200	1,200	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
Min		300	300	300	300	300	300	300	300	300	300	300	300	
Vol		600	600	600	600	600	600	600	600	600	600	600	600	
Max		1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	

RCRA Monitoring

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_WELL_DRL	Min	90	90	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	
	Max	450	450	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
Min		90	90	90	90	90	90	90	90	90	90	90	90	
Vol		300	300	300	300	300	300	300	300	300	300	300	300	
Max		450	450	450	450	450	450	450	450	450	450	450	450	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

Solid Waste

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_LLBG	Min													
	Vol	465		6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	465		6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
WHC_T_PLANT	Min	2,038		67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
	Vol	2,547		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
	Max	5,094		169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8
WHC_TRUSAF	Min													
	Vol	10		2.8	6.7									
	Max	10		2.8	6.7									
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,038		68	68	68	68	68	68	68	68	68	68	68
	Vol	3,022		94	98	91	91	91	91	91	91	91	91	91
	Max	5,569		179	183	176	176	176	176	176	176	176	176	176

Spent Nuclear Fuel

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_K_OPER	Min	444		155.2	111.2	87.2	40.	40.	10.					
	Vol	533		172.4	139.	109.	50.	50.	12.5					
	Max	550		189.6	139.	109.	50.	50.	12.5					
WHC_K_PROJECT	Min	188		39.3	36.6	55.2	33.6	22.8						
	Vol	313		65.5	61.	92.	56.	38.						
	Max	437		91.7	85.4	128.8	78.4	53.2						
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	631		194	148	142	74	63	10					
	Vol	845		238	200	201	106	88	13					
	Max	988		281	224	238	128	103	13					

CH_LLW_I

Solid Waste

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_LLBG	Min													
	Vol	6	6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6	6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
WHC_T_PLANT	Min	68	68	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
	Vol	85	85	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
	Max	170	170	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8
WHC_TRUSAF	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	68	68	68	68	68	68	68	68	68	68	68	68	68
	Vol	91	91	91	91	91	91	91	91	91	91	91	91	91
	Max	176	176	176	176	176	176	176	176	176	176	176	176	176

Spent Nuclear Fuel

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

Solid Waste

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_LLBG	Min													
	Vol	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
WHC_T_PLANT	Min	67.9	67.9	67.9	67.9	67.9	67.9							
	Vol	84.9	84.9	84.9	84.9	84.9	84.9							
	Max	169.8	169.8	169.8	169.8	169.8	169.8							
WHC_TRUSAF	Min													
	Vol													
	Max													
<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	68	68	68	68	68	68	0	0	0	0	0	0	0
	Vol	91	91	91	91	91	91	6	6	6	6	6	6	6
	Max	176	176	176	176	176	176	6	6	6	6	6	6	6

Spent Nuclear Fuel

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

CH_LLW_I

Solid Waste

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_LLBG	Min													
	Vol	6	6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6	6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
WHC_T_PLANT	Min													
	Vol													
	Max													
WHC_TRUSAF	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	6	6	6	6	6	6	6	6	6	6	6	6
	Max	6	6	6	6	6	6	6	6	6	6	6	6	6

Spent Nuclear Fuel

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Solid Waste

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_LLBG	Min													
	Vol	6	6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6	6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
WHC_T_PLANT	Min													
	Vol													
	Max													
WHC_TRUSAF	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	6	6	6	6	6	6	6	6	6	6	6	6
	Max	6	6	6	6	6	6	6	6	6	6	6	6	6

Spent Nuclear Fuel

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

CH_LLW_I

Solid Waste

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_LLBG	Min													
	Vol	6	6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	
	Max	6	6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	
WHC_T_PLANT	Min													
	Vol													
	Max													
WHC_TRUSAF	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	0	0	0	0	0	0	0	0	0	0	0	0	
	Vol	6	6	6	6	6	6	6	6	6	6	6	6	
	Max	6	6	6	6	6	6	6	6	6	6	6	6	

Spent Nuclear Fuel

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I														
TWRS														
Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_DST_RET	Min	336												
	Vol	672												
	Max	1,344												
WHC_HLVP	Min	3,933												
	Vol	8,316												
	Max	16,632												
WHC_LLVP	Min	4,571												212.6
	Vol	9,567											425.2	425.2
	Max	19,134											850.4	850.4
WHC_PRETRT_TW	Min	1,594											70.9	70.9
	Vol	3,330										141.7	141.7	141.7
	Max	6,660										283.4	283.4	283.4
WHC_SST_RET	Min	482			3.2							9.7	9.7	13.
	Vol	603			4.							12.1	12.1	16.2
	Max	724			4.8							14.5	14.5	19.4
WHC_TF_OPER	Min	7,712		229.6	258.	258.	258.	258.	258.	258.	258.	258.	258.	258.
	Vol	9,640		287.	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5
	Max	33,738		1,004.51	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.8
WHC_TWP_W030	Min	28		19.8	8.5									
	Vol	28		19.8	8.5									
	Max	57		39.6	17.									
WHC_TWP_W058	Min	84		74.6	9.1									
	Vol	112		99.5	12.1									
	Max	140		124.4	15.1									
WHC_TWP_W151	Min	2							2.1					
	Vol	4							4.1					
	Max	8							8.2					
WHC_TWP_W211	Min	991		49.6	99.1	49.6	49.6	99.1	99.1	99.1	99.1	49.6	49.6	99.1
	Vol	1,982		99.1	198.2	99.1	99.1	198.2	198.2	198.2	198.2	99.1	99.1	198.2
	Max	3,964		198.2	396.4	198.2	198.2	396.4	396.4	396.4	396.4	198.2	198.2	396.4
WHC_TWP_W320	Min	67		21.8	37.	8.6								
	Vol	169		54.6	92.4	21.5								
	Max	337		109.2	184.8	43.								
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	19,801		395	415	316	308	357	359	357	357	317	388	654
	Vol	34,422		560	638	443	422	521	525	521	521	575	1,001	1,104
	Max	82,737		1,476	1,747	1,370	1,327	1,525	1,533	1,525	1,525	1,625	2,475	2,678
Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	178,398	0	3,662	3,434	3,139	3,058	3,393	4,172	4,140	4,100	4,014	2,267	2,563
	Vol	315,613	229	6,844	6,594	6,437	5,930	8,057	7,244	6,400	6,220	6,116	4,716	4,933
	Max	507,306		10,557	11,198	10,465	10,003	11,710	11,682	11,322	10,966	10,758	8,860	9,253

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_DST_RET	Min		37	37.5	62.9	26.2	41.9	36.7	36.7	36.7	21.			
	Vol		73	75.	125.7	52.4	83.8	73.3	73.3	73.3	41.9			
	Max		147	150.	251.4	104.8	167.6	146.6	146.6	146.6	83.8			
WHC_HLVP	Min				224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
	Vol				449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5
	Max				899.	899.	899.	899.	899.	899.	899.	899.	899.	899.
WHC_LLVP	Min	213	213	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6
	Vol	425	425	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2
	Max	850	850	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4
WHC_PRETRT_TW	Min	71	71	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	Vol	142	142	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
	Max	283	283	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
WHC_SST_RET	Min	16	16	22.6	25.9	32.4	38.9	45.4	55.	64.8	64.8	64.8		
	Vol	20	20	28.3	32.4	40.5	48.6	56.7	68.8	81.	81.	81.		
	Max	24	24	34.	38.9	48.6	58.3	68.	82.6	97.2	97.2	97.2		
WHC_TF_OPER	Min	258	258	258.	258.	258.	258.	258.	258.	258.	258.	258.	258.	258.
	Vol	323	323	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5
	Max	1,129	1,129	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81
WHC_TWP_W030	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min	50	50	49.6										
	Vol	99	99	99.1										
	Max	198	198	198.2										
WHC_TWP_W320	Min													
	Vol													
	Max													

Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	607	644	651	855	825	847	848	858	868	852	831	766	766
	Vol	1,009	1,082	1,541	1,497	1,432	1,471	1,469	1,481	1,493	1,462	1,420	1,339	1,339
	Max	2,485	2,632	3,544	3,452	3,315	3,387	3,376	3,391	3,405	3,343	3,259	3,162	3,162

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	2,687	2,688	2,515	2,711	2,993	2,754	2,790	2,818	2,874	2,733	2,895	2,704	2,550
	Vol	5,160	5,030	5,216	5,107	5,420	4,938	4,966	5,012	5,069	5,065	5,228	4,888	4,644
	Max	9,541	9,023	9,526	9,285	9,821	8,627	8,660	8,707	8,791	9,104	9,124	8,466	8,090

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

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TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_HLVP	Min	224.8	224.8	224.8	224.8	224.8	224.8	168.6	112.4	56.2				
	Vol	449.5	449.5	449.5	449.5	449.5	449.5	337.1	224.8	112.4				
	Max	899.	899.	899.	899.	899.	899.	674.3	449.5	224.8				
WHC_LLVP	Min	212.6	212.6	212.6	212.6	212.6	212.6	159.5	106.3	53.2				
	Vol	425.2	425.2	425.2	425.2	425.2	425.2	318.9	212.6	106.3				
	Max	850.4	850.4	850.4	850.4	850.4	850.4	637.8	425.2	212.6				
WHC_PRETRT_TW	Min	70.9	70.9	70.9	70.9	70.9	70.9	53.1	35.4	17.7				
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	106.3	70.9	35.4				
	Max	283.4	283.4	283.4	283.4	283.4	283.4	212.6	141.7	70.9				
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min	258.	258.	258.	258.	258.	258.							
	Vol	322.5	322.5	322.5	322.5	322.5	322.5							
	Max	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81							
WHC_TWP_W030	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min													
	Vol													
	Max													
WHC_TWP_W320	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	766	766	766	766	766	766	381	254	127				
	Vol	1,339	1,339	1,339	1,339	1,339	1,339	762	508	254				
	Max	3,162	3,162	3,162	3,162	3,162	3,162	1,525	1,016	508				
Waste class total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	2,557	2,671	2,702	2,787	2,810	3,025	2,564	2,446	2,285	2,174	1,941	1,947	1,938
	Vol	4,599	4,780	4,831	4,918	4,961	5,149	4,480	4,235	3,946	3,708	3,303	3,308	3,299
	Max	7,965	8,423	8,475	8,582	8,627	9,238	7,423	6,924	6,382	5,890	4,792	4,798	4,789

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W030	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min													
	Vol													
	Max													
WHC_TWP_W320	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	1,949	1,932	1,932	1,927	1,927	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916
	Vol	3,310	3,294	3,294	3,288	3,288	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277
	Max	4,800	4,783	4,783	4,778	4,778	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_I

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W030	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min													
	Vol													
	Max													
WHC_TWP_W320	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Waste class total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916
	Vol	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277
	Max	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_I

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W030	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min													
	Vol													
	Max													
WHC_TWP_W320	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	1,916	
	Vol	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	3,277	
	Max	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	4,767	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_III

Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_FTF	Min	11			2.	3.4	4.9	.3	.3					
	Vol	12		1.1	2.	3.4	4.9	.3	.3					
	Max	12		1.1	2.	3.4	4.9	.3	.3					
WHC_PFP	Min	917		41.2	45.8	51.3	51.6	48.2	49.2	52.5	44.2	39.	38.1	38.1
	Vol	1,834		82.4	91.6	102.5	103.2	96.4	98.4	104.9	88.5	78.	76.2	76.2
	Max	5,882		164.7	183.1	205.	206.4	192.8	196.7	209.9	177.	156.	152.5	152.5
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	928		41	48	55	56	49	49	52	44	39	38	38
	Vol	1,846		83	94	106	108	97	99	105	88	78	76	76
	Max	5,894		166	185	208	211	193	197	210	177	156	152	152

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Facility Transitions

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_FTF	Min													
	Vol													
	Max													
WHC_PFP	Min	38	6	5.7	5.7	26.4					18.8			
	Vol	76	11	11.4	11.4	52.8					37.7			
	Max	151	23	22.8	57	264					188.4			
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	38	6	6	6	26					19			
	Vol	76	11	11	11	53					38			
	Max	151	23	23	57	264					188			

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Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_FTF	Min													
	Vol													
	Max													
WHC_PFP	Min		18.8	18.8	18.8	18.8	48.5	48.5	48.5	48.5	48.5			
	Vol		37.7	37.7	37.7	37.7	97.	97.	97.	97.	97.			
	Max		188.4	188.4	188.4	188.4	485.2	485.2	485.2	485.2	485.2			
<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		19	19	19	19	49	49	49	49	49			
	Vol		38	38	38	38	97	97	97	97	97			
	Max		188	188	188	188	485	485	485	485	485			

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Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Facility Transitions

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
<i>Program total</i>		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

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Facility Transitions

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Non-Programmatic

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NP_300_TR	Min	233												
	Vol	233												
	Max	233												
NP_400_TR	Min	3												
	Vol	3												
	Max	3												
NP_B_PLANT_TR	Min	41												
	Vol	41												
	Max	41												
NP_PFP_TR	Min	15												
	Vol	15												
	Max	15												
NP_PUREX_TR	Min	1												
	Vol	1												
	Max	1												
NP_REDOX_TR	Min	1												
	Vol	1												
	Max	1												
NP_SITE_SUP_TR	Min	9												
	Vol	9												
	Max	9												
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min	5												
	Vol	5												
	Max	5												
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	310												
	Vol	310												
	Max	310												

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Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NP_300_TR	Min					46.7	46.7	46.7	46.7	46.7				
	Vol					46.7	46.7	46.7	46.7	46.7				
	Max					46.7	46.7	46.7	46.7	46.7				
NP_400_TR	Min													.6
	Vol													.6
	Max													.6
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total														
	Min					47	47	47	47	47				1
	Vol					47	47	47	47	47				1
	Max					47	47	47	47	47				1

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Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min	.6	.6	.6	.6									
	Vol	.6	.6	.6	.6									
	Max	.6	.6	.6	.6									
NP_B_PLANT_TR	Min		8.2	8.2	8.2	8.2	8.2							
	Vol		8.2	8.2	8.2	8.2	8.2							
	Max		8.2	8.2	8.2	8.2	8.2							
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min				.2	.2	.2	.2	.2					
	Vol				.2	.2	.2	.2	.2					
	Max				.2	.2	.2	.2	.2					
NP_REDOX_TR	Min						.3	.3	.3	.3	.3			
	Vol						.3	.3	.3	.3	.3			
	Max						.3	.3	.3	.3	.3			
NP_SITE_SUP_TR	Min								1.8	1.8	1.8	1.8	1.8	
	Vol								1.8	1.8	1.8	1.8	1.8	
	Max								1.8	1.8	1.8	1.8	1.8	
NP_T_PLANT_TR	Min										.1	.1	.1	.1
	Vol										.1	.1	.1	.1
	Max										.1	.1	.1	.1
NP_U_PLANT_TR	Min												1.1	1.1
	Vol												1.1	1.1
	Max												1.1	1.1
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	1	9	9	9	8	9	0	2	2	2	2	3	1
	Vol	1	9	9	9	8	9	0	2	2	2	2	3	1
	Max	1	9	9	9	8	9	0	2	2	2	2	3	1

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Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min	3	3	3.1	3.1	3.1								
	Vol	3	3	3.1	3.1	3.1								
	Max	3	3	3.1	3.1	3.1								
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min	1	1	1.1										
	Vol	1	1	1.1										
	Max	1	1	1.1										
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	4	4	4	3	3								
	Vol	4	4	4	3	3								
	Max	4	4	4	3	3								

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CH_LLW_III

Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

CH_LLW_III

Non-Programmatic

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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CH_LTW_III												
Abbreviation												
ANL_E												
Min	Vol	Max	Program total									
			Total	Held	1996	1997	1998	1999	2000	2001	2002	2003
808	808	808			10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
KAPL_SHIPYDS												
Min	Vol	Max	238		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
LBL												
Min	Vol	Max	150		2.	2.	2.	2.	2.	2.	2.	2.
150	150	150			2.	2.	2.	2.	2.	2.	2.	2.
PORTSMOUTH_ES												
Min	Vol	Max	27		9.	9.	9.	9.	9.	9.	9.	9.
54	54	81			18.	18.	18.	18.	18.	18.	18.	18.
Program total												
Min	Vol	Max	1,250		13	13	13	13	13	13	13	13
177	1,277				2	2	2	2	2	2	2	2
PNNL												
Min	Vol	Max	2,250		30.	30.	30.	30.	30.	30.	30.	30.
4,500	9,000				60.	60.	60.	60.	60.	60.	60.	60.
Program total												
Min	Vol	Max	2,250		30	30	30	30	30	30	30	30
4,500	9,000				60	60	60	60	60	60	60	60
WHC_K_OPER												
Min	Vol	Max	329		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
658	988				125.4	125.4	125.4	125.4	125.4	125.4	125.4	125.4
Program total												
Min	Vol	Max	329		63	63	63	63	63	63	63	63
658	988				125	125	125	125	125	125	125	125
Totals may not add due to rounding.												
WHC-EP-0900												

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_III

Offsite

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ANL_E	Min													
	Vol	11	11	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	11	11	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
KAPL_SHIPYDS	Min													
	Vol													
	Max													
LBL	Min	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
PORTSMOUTH_ES	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Vol	13	13	13	13	13	13	13	13	13	13	13	13	13
	Max	13	13	13	13	13	13	13	13	13	13	13	13	13

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Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120	120	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	30	30	30	30	30	30	30	30	30	30	30	30	30
	Vol	60	60	60	60	60	60	60	60	60	60	60	60	60
	Max	120	120	120	120	120	120	120	120	120	120	120	120	120

Spent Nuclear Fuel

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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Offsite

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
ANL_E	Min													
	Vol	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
KAPL_SHIPYDS	Min													
	Vol													
	Max													
LBL	Min	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
PORTSMOUTH_ES	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Vol	13	13	13	13	13	13	13	13	13	13	13	13	13
	Max	13	13	13	13	13	13	13	13	13	13	13	13	13

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Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	30	30	30	30	30	30	30	30	30	30	30	30	30
	Vol	60	60	60	60	60	60	60	60	60	60	60	60	60
	Max	120	120	120	120	120	120	120	120	120	120	120	120	120

Spent Nuclear Fuel

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

CH_LLW_III

Offsite

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
ANL_E	Min													
	Vol	11	11	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	11	11	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
KAPL_SHIPYDS	Min													
	Vol													
	Max													
LBL	Min	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
PORTSMOUTH_ES	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Vol	13	13	13	13	13	13	13	13	13	13	13	13	13
	Max	13	13	13	13	13	13	13	13	13	13	13	13	13

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Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120	120	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	30	30	30	30	30	30	30	30	30	30	30	30	30
	Vol	60	60	60	60	60	60	60	60	60	60	60	60	60
	Max	120	120	120	120	120	120	120	120	120	120	120	120	120

Spent Nuclear Fuel

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Offsite

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
ANL_E	Min													
	Vol	11	11	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	11	11	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
KAPL_SHIPYDS	Min													
	Vol													
	Max													
LBL	Min	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
PORTSMOUTH_ES	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Vol	13	13	13	13	13	13	13	13	13	13	13	13	13
	Max	13	13	13	13	13	13	13	13	13	13	13	13	13

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Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120	120	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	30	30	30	30	30	30	30	30	30	30	30	30	30
	Vol	60	60	60	60	60	60	60	60	60	60	60	60	60
	Max	120	120	120	120	120	120	120	120	120	120	120	120	120

Spent Nuclear Fuel

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_III

Offsite

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
ANL_E	Min													
	Vol	11	11	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
	Max	11	11	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	
KAPL_SHIPYDS	Min													
	Vol													
	Max													
LBL	Min	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	
PORTSMOUTH_ES	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	2	2	2	2	2	2	2	2	2	2	2	2	
	Vol	13	13	13	13	13	13	13	13	13	13	13	13	
	Max	13	13	13	13	13	13	13	13	13	13	13	13	

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	
	Vol	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	
	Max	120	120	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	30	30	30	30	30	30	30	30	30	30	30	30	
	Vol	60	60	60	60	60	60	60	60	60	60	60	60	
	Max	120	120	120	120	120	120	120	120	120	120	120	120	

Spent Nuclear Fuel

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_III

TWRS

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_HLVP	Min	7,087												
	Vol	14,983												
	Max	29,966												
WHC_LLVP	Min	1,523												70.9
	Vol	3,188											141.7	141.7
	Max	6,376											283.4	283.4
WHC_PRETRT_TW	Min	1,594											70.9	70.9
	Vol	3,330										141.7	141.7	141.7
	Max	6,660										283.4	283.4	283.4
WHC_TWP_W058	Min	8		5.9	2.6									
	Vol	11		7.9	3.4									
	Max	14		9.9	4.3									

<i>Program total</i>		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	10,213		6	3							0	71	142
	Vol	21,513		8	3							142	283	283
	Max	43,017		10	4							283	567	567

<i>Waste class total</i>		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	14,207		142	145	149	151	143	97	93	85	80	141	212
	Vol	30,077		290	295	304	306	295	262	255	239	370	432	432
	Max	60,485		497	510	529	532	514	436	429	396	659	852	852

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_III

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_HLVP	Min				405.	405.	405.	405.	405.	405.	405.	405.	405.	405.
	Vol			809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9
	Max			1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.8
WHC_LLVP	Min	71	71	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	Vol	142	142	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
	Max	283	283	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
WHC_PRETRT_TW	Min	71	71	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	Vol	142	142	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
	Max	283	283	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
WHC_TWP_W058	Min													
	Vol													
	Max													

Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	142	142	142	547	547	547	547	547	547	547	547	547	547
	Vol	283	283	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093	1,093
	Max	567	567	2,187	2,187	2,187	2,187	2,187	2,187	2,187	2,187	2,187	2,187	2,187

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	211	179	179	584	652	625	625	625	625	597	579	579	579
	Vol	432	368	1,177	1,177	1,266	1,213	1,213	1,213	1,213	1,204	1,166	1,166	1,167
	Max	851	722	2,342	2,376	2,630	2,366	2,366	2,366	2,366	2,508	2,319	2,319	2,320

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_III

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_HLVP	Min	405.	405.	405.	405.	405.	405.	303.7	202.5	101.2				
	Vol	809.9	809.9	809.9	809.9	809.9	809.9	607.4	405.	202.5				
	Max	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	214.9	809.9	405.				
WHC_LLVP	Min	70.9	70.9	70.9	70.9	70.9	70.9	53.1	35.4	17.7				
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	106.3	70.9	35.4				
	Max	283.4	283.4	283.4	283.4	283.4	283.4	212.6	141.7	70.9				
WHC_PRETRT_TW	Min	70.9	70.9	70.9	70.9	70.9	70.9	53.1	35.4	17.7				
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	106.3	70.9	35.4				
	Max	283.4	283.4	283.4	283.4	283.4	283.4	212.6	141.7	70.9				
WHC_TWP_W058	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	547	547	547	547	547	547	410	273	137				
	Vol	1,093	1,093	1,093	1,093	1,093	1,093	820	547	273				
	Max	2,187	2,187	2,187	2,187	2,187	2,187	1,640	1,093	547				

Waste class total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	579	606	606	607	606	636	491	356	219	83	34	35	33
	Vol	1,167	1,213	1,213	1,213	1,212	1,272	990	719	445	172	75	76	74
	Max	2,320	2,517	2,517	2,517	2,516	2,813	2,258	1,714	1,167	620	135	136	134

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_III

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	36	36	36	35	35	32	32	32	32	32	32	32	32
	Vol	77	77	77	76	76	73	73	73	73	73	73	73	73
	Max	137	137	137	136	136	133	133	133	133	133	133	133	133

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLW_III

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Waste class total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	32	32	32	32	32	32	32	32	32	32	32	32	32
	Vol	73	73	73	73	73	73	73	73	73	73	73	73	73
	Max	133	133	133	133	133	133	133	133	133	133	133	133	133

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLW_III

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	32	32	32	32	32	32	32	32	32	32	32	32	
	Vol	73	73	73	73	73	73	73	73	73	73	73	73	
	Max	133	133	133	133	133	133	133	133	133	133	133	133	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLW_I

Offsite

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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BRKHVN	Min	8		7.6										
	Vol	10		9.5										
	Max	11		11.4										

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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Min	8		8											
Vol	10		10											
Max	11		11											

Pacific Northwest National Laboratory

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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PNNL	Min	605		15.	15.	15.	15.	10.	10.	10.	10.	10.	7.5	7.5
	Vol	1,210		30.	30.	30.	30.	20.	20.	20.	20.	20.	15.	15.
	Max	2,420		60.	60.	60.	60.	40.	40.	40.	40.	40.	30.	30.

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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Min	605		15	15	15	15	10	10	10	10	10	10	8	8
Vol	1,210		30	30	30	30	20	20	20	20	20	20	15	15
Max	2,420		60	60	60	60	40	40	40	40	40	40	30	30

Solid Waste

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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WHC_T_PLANT	Min													
	Vol	71		14.2	14.2	14.2	14.2	14.2						
	Max	71		14.2	14.2	14.2	14.2	14.2						

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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Min	0		0	0	0	0	0	0						
Vol	71		14	14	14	14	14	14						
Max	71		14	14	14	14	14	14						

Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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Min	613		23	15	15	15	10	10	10	10	10	10	8	8
Vol	1,291		54	44	44	44	34	20	20	20	20	20	15	15
Max	2,502		86	74	74	74	54	40	40	40	40	40	30	30

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLW_I

Offsite

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BRKHVN	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	8	8	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	8	8	8	8	8	8	8	8	8	8	8	8	8
	Vol	15	15	15	15	15	15	15	15	15	15	15	15	15
	Max	30	30	30	30	30	30	30	30	30	30	30	30	30

Solid Waste

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_T_PLANT	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	8	8	8	8	8	8	8	8	8	8	8	8	8
	Vol	15	15	15	15	15	15	15	15	15	15	15	15	15
	Max	30	30	30	30	30	30	30	30	30	30	30	30	30

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLW_I

Offsite

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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BRKHVN	Min													
	Vol													
	Max													

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Min														
Vol														
Max														

Pacific Northwest National Laboratory

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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PNNL	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Min	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Vol	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Max	30	30	30	30	30	30	30	30	30	30	30	30	30	30

Solid Waste

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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WHC_T_PLANT	Min													
	Vol													
	Max													

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Min														
Vol														
Max														

<i>Waste class total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Min	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Vol	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Max	30	30	30	30	30	30	30	30	30	30	30	30	30	30

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLW_I

Offsite

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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BRKHVN	Min													
	Vol													
	Max													

Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min														
Vol														
Max														

Pacific Northwest National Laboratory

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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PNNL	Min	8	8	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.

Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Vol	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Max	30	30	30	30	30	30	30	30	30	30	30	30	30	30

Solid Waste

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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WHC_T_PLANT	Min													
	Vol													
	Max													

Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min														
Vol														
Max														

Waste class total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Vol	15	15	15	15	15	15	15	15	15	15	15	15	15	15
Max	30	30	30	30	30	30	30	30	30	30	30	30	30	30

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLW_I

Offsite

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
BRKHVN	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min	8	8	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	8	8	8	8	8	8	8	8	8	8	8	8	8
	Vol	15	15	15	15	15	15	15	15	15	15	15	15	15
	Max	30	30	30	30	30	30	30	30	30	30	30	30	30

Solid Waste

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_T_PLANT	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Waste class total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	8	8	8	8	8	8	8	8	8	8	8	8	8
	Vol	15	15	15	15	15	15	15	15	15	15	15	15	15
	Max	30	30	30	30	30	30	30	30	30	30	30	30	30

RH_LLW_I

Offsite

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
BRKHVN	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min	8	8	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	
	Vol	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	
	Max	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	8	8	8	8	8	8	8	8	8	8	8	8	
	Vol	15	15	15	15	15	15	15	15	15	15	15	15	
	Max	30	30	30	30	30	30	30	30	30	30	30	30	

Solid Waste

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_T_PLANT	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	8	8	8	8	8	8	8	8	8	8	8	8	
	Vol	15	15	15	15	15	15	15	15	15	15	15	15	
	Max	30	30	30	30	30	30	30	30	30	30	30	30	

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RH_LLW_III

Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_FFTF	Min	127		11.9	21.4	35.6	52.	3.3	3.3					
	Vol	127		11.9	21.4	35.6	52.	3.3	3.3					
	Max	127		11.9	21.4	35.6	52.	3.3	3.3					

Program total

Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Min		127	12	21	36	52	3	3				
Vol		127	12	21	36	52	3	3				
Max		127	12	21	36	52	3	3				

Not Programmatic

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NP_300_TR	Min	13												
	Vol	13												
	Max	13												
NP_400_TR	Min	33												
	Vol	33												
	Max	33												
NP_B_PLANT_TR	Min	9												
	Vol	9												
	Max	9												
NP_SITE_SUP_TR	Min	1												
	Vol	1												
	Max	1												
NP_U_PLANT_TR	Min													
	Vol													
	Max													

Program total

Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Min		56										
Vol		56										
Max		56										

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLW_III

Facility Transitions

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_FTF	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NP_300_TR	Min					2.6	2.6	2.6	2.6	2.6				
	Vol					2.6	2.6	2.6	2.6	2.6				
	Max					2.6	2.6	2.6	2.6	2.6				
NP_400_TR	Min												6.6	
	Vol												6.6	
	Max												6.6	
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min					3	3	3	3	3				7
	Vol					3	3	3	3	3				7
	Max					3	3	3	3	3				7

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RH LLW III

Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_FFTF	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min	6.6	6.6	6.6	6.6									
	Vol	6.6	6.6	6.6	6.6									
	Max	6.6	6.6	6.6	6.6									
NP_B_PLANT_TR	Min		1.8	1.8	1.8	1.8	1.8							
	Vol		1.8	1.8	1.8	1.8	1.8							
	Max		1.8	1.8	1.8	1.8	1.8							
NP_SITE_SUP_TR	Min								.1	.1	.1	.1	.1	
	Vol								.1	.1	.1	.1	.1	
	Max								.1	.1	.1	.1	.1	
NP_U_PLANT_TR	Min												.1	.1
	Vol												.1	.1
	Max												.1	.1
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	7	8	8	8	2	2		0	0	0	0	0	0
	Vol	7	8	8	8	2	2		0	0	0	0	0	0
	Max	7	8	8	8	2	2		0	0	0	0	0	0

RH_LLW_III

Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_FTF	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min			.1										
	Vol			.1										
	Max			.1										
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0										
	Vol	0	0	0										
	Max	0	0	0										

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RH_LLW_III

Facility Transitions

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_FTF	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

RH_LLW_III

Facility Transitions

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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WHC_FFTF	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

Non-Programmatic

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
--------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

NP_300_TR	Min												
	Vol												
	Max												

NP_400_TR	Min												
	Vol												
	Max												

NP_B_PLANT_TR	Min												
	Vol												
	Max												

NP_SITE_SUP_TR	Min												
	Vol												
	Max												

NP_U_PLANT_TR	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

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RH_LLW_III

Offsite

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
ANL_E	Min													
	Vol	223		195.	15.5	6.9	5.3							
	Max	223		195.	15.5	6.9	5.3							
GEN_ATOM	Min	3		.7	.7	.7	.7							
	Vol	5		1.3	1.3	1.3	.7							
	Max	7		2.	2.	2.	1.3							
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	3		1	1	1	1							
	Vol	227		196	17	8	6							
	Max	230		197	18	9	7							

Pacific Northwest National Laboratory

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	1,285		42.5	42.5	42.5	42.5	25.	25.	25.	25.	25.	15.	15.
	Vol	2,570		85.	85.	85.	85.	50.	50.	50.	50.	50.	30.	30.
	Max	5,140		170.	170.	170.	170.	100.	100.	100.	100.	100.	60.	60.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,285		43	43	43	43	25	25	25	25	25	15	15
	Vol	2,570		85	85	85	85	50	50	50	50	50	30	30
	Max	5,140		170	170	170	170	100	100	100	100	100	60	60

Spent Nuclear Fuel

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_K_OPER	Min	13		13.4										
	Vol	19		19.2										
	Max	24		24.										
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	13		13										
	Vol	19		19										
	Max	24		24										

RH_LLW_III

Offsite

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
ANL_E	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	15	15	15	15	15	15	15	15	15	15	15	15	15
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	60	60	60	60	60	60	60	60	60	60	60	60	60

Spent Nuclear Fuel

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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RH_LLW_III

Offsite

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
ANL_E	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	15	15	15	15	15	15	15	15	15	15	15	15	15
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	60	60	60	60	60	60	60	60	60	60	60	60	60

Spent Nuclear Fuel

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

RH_LLW_III

Offsite

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
ANL_E	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	15	15	15	15	15	15	15	15	15	15	15	15	15
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	60	60	60	60	60	60	60	60	60	60	60	60	60

Spent Nuclear Fuel

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Offsite

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
ANL_E	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	15	15	15	15	15	15	15	15	15	15	15	15	15
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	60	60	60	60	60	60	60	60	60	60	60	60	60

Spent Nuclear Fuel

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

RH_LLW_III

Offsite

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
ANL_E	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	
	Vol	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	
	Max	60	60	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	15	15	15	15	15	15	15	15	15	15	15	15	
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	
	Max	60	60	60	60	60	60	60	60	60	60	60	60	

Spent Nuclear Fuel

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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RH_LLW_III														
TWRS														
Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_HLVP	Min	1,110												
	Vol	2,348												
	Max	4,695												
WHC_LLVP	Min	234												10.9
	Vol	491											21.8	21.8
	Max	981											43.6	43.6
WHC_PRETRT_TW	Min	163											7.3	7.3
	Vol	341										14.5	14.5	14.5
	Max	682										29.	29.	29.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,508										0	7	18
	Vol	3,179										15	36	36
	Max	6,358										29	73	73
Waste class total														
	Min	2,992		68	65	79	95	28	28	25	25	25	22	33
	Vol	6,179		312	123	129	143	53	53	50	50	65	66	66
	Max	11,935		403	209	215	229	103	103	100	100	129	133	133

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLW_III

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_HLVP	Min				63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
	Vol			126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9
	Max			253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8
WHC_LLVP	Min	11	11	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
	Vol	22	22	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
	Max	44	44	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
WHC_PRETRT_TW	Min	7	7	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	Vol	15	15	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
	Max	29	29	29.	29.	29.	29.	29.	29.	29.	29.	29.	29.	29
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	18	18	18	82	82	82	82	82	82	82	82	82	82
	Vol	36	36	163	163	163	163	163	163	163	163	163	163	163
	Max	73	73	326	326	326	326	326	326	326	326	326	326	326

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	33	33	33	97	99	99	99	99	99	97	97	97	103
	Vol	66	66	193	193	196	196	196	196	196	193	193	193	200
	Max	133	133	386	386	389	389	389	389	389	386	386	386	393

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLW_III

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_HLVP	Min	63.5	63.5	63.5	63.5	63.5	63.5	47.6	31.7	15.9				
	Vol	126.9	126.9	126.9	126.9	126.9	126.9	95.2	63.5	31.7				
	Max	253.8	253.8	253.8	253.8	253.8	253.8	190.4	126.9	63.5				
WHC_LLVP	Min	10.9	10.9	10.9	10.9	10.9	10.9	8.2	5.5	2.7				
	Vol	21.8	21.8	21.8	21.8	21.8	21.8	16.4	10.9	5.5				
	Max	43.6	43.6	43.6	43.6	43.6	43.6	32.7	21.8	10.9				
WHC_PRETRT_TW	Min	7.3	7.3	7.3	7.3	7.3	7.3	5.4	3.6	1.8				
	Vol	14.5	14.5	14.5	14.5	14.5	14.5	10.9	7.3	3.6				
	Max	29.	29.	29.	29.	29.	29.	21.8	14.5	7.3				
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	82	82	82	82	82	82	61	41	20				
	Vol	163	163	163	163	163	163	122	82	41				
	Max	326	326	326	326	326	326	245	163	82				

Waste class total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	103	105	105	105	98	98	76	56	36	15	15	15	15
	Vol	200	202	202	202	195	195	152	112	71	30	30	30	30
	Max	393	395	395	395	388	388	305	223	142	60	60	60	60

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLW_III

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	15	15	15	15	15	15	15	15	15	15	15	15	15
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	60	60	60	60	60	60	60	60	60	60	60	60	60

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLW_III

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
<i>Program total</i>		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

<i>Waste class total</i>		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	15	15	15	15	15	15	15	15	15	15	15	15	15
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	60	60	60	60	60	60	60	60	60	60	60	60	60

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLW_III

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	15	15	15	15	15	15	15	15	15	15	15	15	
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	
	Max	60	60	60	60	60	60	60	60	60	60	60	60	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LTW_GTCIII

PNNL	Abbreviation	Program total												Waste class total																				
		Min	Vol	Max	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	Min	Vol	Max	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
5.		175	350	700			20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
5.		175	350	700			20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	5.	10.	10.	20.			5.	10.	10.	20.	20.	20.	20.	20.	20.	20.	20.
 
5.		175	350	700			5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	10.	10.	20.			5.	10.	10.	20.	20.						

RH_LLW_GTCIII

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.

Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	20	20	20	20	20	20	20	20	20	20	20	20	20

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	20	20	20	20	20	20	20	20	20	20	20	20	20

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLW_GTCIII

Pacific Northwest National Laboratory

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.		
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.		
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.		

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	5	5	5	5	5	5	5	5	5	5	5		
	Vol	10	10	10	10	10	10	10	10	10	10	10		
	Max	20	20	20	20	20	20	20	20	20	20	20		

<i>Waste class total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	5	5	5	5	5	5	5	5	5	5	5		
	Vol	10	10	10	10	10	10	10	10	10	10	10		
	Max	20	20	20	20	20	20	20	20	20	20	20		

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLW_GTCIII

Pacific Northwest National Laboratory

Abbreviation	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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PNNL	Min												
	Vol												
	Max												

<i>Program total</i>	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min													
Vol													
Max													

<i>Waste class total</i>	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLW_GTCIII

Pacific Northwest National Laboratory

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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PNNL	Min												
	Vol												
	Max												

<i>Program total</i>	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
-----------------------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

<i>Waste class total</i>	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min													
Vol													
Max													

RH_LLW_GTCIII

Pacific Northwest National Laboratory

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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PNNL	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

Waste class total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLMW_I

Analytical Services

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_ANALYT_LAB	Min	1,835		49.6	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
	Vol	2,294		62.	48.	48.	48.	48.	48.	48.	48.	48.	48.	48.
	Max	2,753		74.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
WHC_WSCF	Min	56		.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	75		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	94		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,891		50	39	39	39	39	39	39	39	39	39	39
	Vol	2,369		63	49	49	49	49	49	49	49	49	49	49
	Max	2,847		76	59	59	59	59	59	59	59	59	59	59

EM-40 (Environmental Restoration)

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
BHI_SURPLS_FAC	Min	101		101.										
	Vol	101		101.										
	Max	101		101.										
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	101		101										
	Vol	101		101										
	Max	101		101										

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_I

Analytical Services

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_ANALYT_LAB	Min	38	38	38.4	38.4	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	48	48	48.	48.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	58	58	57.6	57.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1	1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	39	39	39	39	22	22	22	22	22	22	22	22	22
	Vol	49	49	49	49	27	27	27	27	27	27	27	27	27
	Max	59	59	59	59	32	32	32	32	32	32	32	32	32

EM-40 (Environmental Restoration)

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLMW_I

Analytical Services

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_ANALYT_LAB	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	22	22	22	22	22	22	22	22	22	22	22	22	22
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	27
	Max	32	32	32	32	32	32	32	32	32	32	32	32	32

EM-40 (Environmental Restoration)

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_I

Analytical Services

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_ANALYT_LAB	Min	21	21	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26	26	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31	31	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1	1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	22	22	22	22	22	22	22	22	22	22	22	22	22
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	27
	Max	32	32	32	32	32	32	32	32	32	32	32	32	32

EM-40 (Environmental Restoration)

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Analytical Services

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_ANALYT_LAB	Min	21	21	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26	26	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31	31	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1	1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	22	22	22	22	22	22	22	22	22	22	22	22	22
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	27
	Max	32	32	32	32	32	32	32	32	32	32	32	32	32

EM-40 (Environmental Restoration)

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

CH_LLMW_I**Analytical Services**

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_ANALYT_LAB	Min	21	21	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	
	Vol	26	26	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	
	Max	31	31	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	
WHC_WSCF	Min	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	
	Max	1	1	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	22	22	22	22	22	22	22	22	22	22	22	22	
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	
	Max	32	32	32	32	32	32	32	32	32	32	32	32	

EM-40 (Environmental Restoration)

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_B_PLANT	Min	640		71.5	71.5	223.3	273.5							
	Vol	3,363		95.4	95.4	297.8	364.7	125.5	125.5	125.5	125.5	125.5	125.5	125.5
	Max	5,957		104.9	104.9	327.6	401.2	250.9	250.9	250.9	250.9	250.9	250.9	250.9
WHC_FFTF	Min	12			.2				11.5					
	Vol	23			.3				23.					
	Max	23			.5				23.					
WHC_FUEL_TRANS	Min	18		8.	.4	10.								
	Vol	18		8.	.4	10.								
	Max	18		8.	.4	10.								
WHC_PFP	Min	1,575		62.	63.	62.	67.8	62.	70.6	68.2	63.9	64.4	65.8	64.4
	Vol	3,150		124.	125.9	124.	135.5	124.	141.3	136.5	127.8	128.8	131.7	128.8
	Max	6,300		248.	251.8	248.	271.1	248.	282.6	273.	255.7	257.6	263.4	257.6
WHC_PUREX	Min	12		6.1	6.									
	Vol	24		12.2	12.									
	Max	48		24.4	24.									

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,257		148	141	295	341	62	82	68	64	64	66	64
	Vol	6,578		240	234	432	500	249	290	262	253	254	257	254
	Max	12,347		385	382	586	672	499	557	524	507	509	514	509

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_200 ETF	Min	441		37.2	9.4	11.3	11.7	15.1	11.4	11.7	11.4	11.5	12.3	12.5
	Vol	881		74.4	18.9	22.7	23.4	30.2	22.9	23.3	22.8	23.	24.6	25.
	Max	1,322		111.6	28.3	34.	35.	45.2	34.3	35.	34.2	34.6	37.	37.5
WHC_WASTE_NEUT	Min	1			.1	.1	.1	.1						
	Vol	3		.8	.6	.6	.6	.6						
	Max	20		1.6	4.5	4.5	4.5	4.5						

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	441		37	10	11	12	15	11	12	11	12	12	13
	Vol	885		75	19	23	24	31	23	23	23	23	25	25
	Max	1,342		113	33	39	40	50	34	35	34	35	37	38

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Facility Transitions

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_B_PLANT	Min													
	Vol	125	125	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5
	Max	251	251	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_PFP	Min	62	9	9.1	9.1	43.3					30.8			
	Vol	124	18	18.3	18.3	86.5					61.5			
	Max	248	37	36.5	36.5	173.					123.			
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	62	9	9	9	43	0	0	0	0	31	0	0	0
	Vol	249	144	144	144	212	125	125	125	125	187	125	125	125
	Max	499	287	287	287	424	251	251	251	251	374	251	251	251

Liquid Effluent

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_200 ETF	Min	13	13	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
	Vol	25	25	25.	25.1	25.	25.	25.	25.	25.	25.	25.	25.	25.
	Max	38	38	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	13	13	13	13	13	13	13	13	13	13	13	13	13
	Vol	25	25	25	25	25	25	25	25	25	25	25	25	25
	Max	38	38	38	38	38	38	38	38	38	38	38	38	38

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Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_B_PLANT	Min													
	Vol													
	Max													
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_PFP	Min		30.8	30.8	30.8	30.8	64.9	64.9	64.9	64.9	64.9	50.	50.	50.
	Vol		61.5	61.5	61.5	61.5	129.8	129.8	129.8	129.8	129.8	100.	100.	100.
	Max		123.	123.	123.	123.	259.5	259.5	259.5	259.5	259.5	199.9	199.9	199.9
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		31	31	31	31	65	65	65	65	65	50	50	50
	Vol		62	62	62	62	130	130	130	130	130	100	100	100
	Max		123	123	123	123	260	260	260	260	260	200	200	200

Liquid Effluent

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_200 ETF	Min	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	4.	1.4	1.4	1.4
	Vol	25.	25.	25.	25.	25.	25.	25.	25.	25.	8.1	2.8	2.8	2.8
	Max	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	12.1	4.2	4.2	4.2
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	13	13	13	13	13	13	13	13	13	4	1	1	1
	Vol	25	25	25	25	25	25	25	25	25	8	3	3	3
	Max	38	38	38	38	38	38	38	38	38	12	4	4	4

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_I

Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_B_PLANT	Min													
	Vol													
	Max													
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_PFP	Min	50	50											
	Vol	100	100											
	Max	200	200											
WHC_PUREX	Min													
	Vol													
	Max													
<i>Program total</i>														
	Min	50	50											
	Vol	100	100											
	Max	200	200											

Liquid Effluent

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_200 ETF	Min	1												
	Vol	3												
	Max	4												
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
<i>Program total</i>														
	Min	1												
	Vol	3												
	Max	4												

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Facility Transitions

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_B_PLANT	Min													
	Vol													
	Max													
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_200 ETF	Min													
	Vol													
	Max													
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

CH_LLMW_I

Facility Transitions

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_B_PLANT	Min													
	Vol													
	Max													
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_200 ETF	Min													
	Vol													
	Max													
WHC_WASTE_NEUT	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Non-Programmables

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NP_300_TR	Min	60												
	Vol	60												
	Max	60												
NP_PFP_TR	Min	76												
	Vol	76												
	Max	76												
NP_PUREX_TR	Min	40												
	Vol	40												
	Max	40												
NP_REDOX_TR	Min	2												
	Vol	2												
	Max	2												
NP_U_PLANT_TR	Min	2												
	Vol	2												
	Max	2												
WHC_BQUIP	Min	7,076		368.3	170.	170.	352.7	352.7	352.7	352.7	226.6	226.6	226.6	339.9
	Vol	7,076		368.3	170.	170.	352.7	352.7	352.7	352.7	226.6	226.6	226.6	339.9
	Max	7,076		368.3	170.	170.	352.7	352.7	352.7	352.7	226.6	226.6	226.6	339.9
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	7,257		368	170	170	353	353	353	353	227	227	227	340
	Vol	7,257		368	170	170	353	353	353	353	227	227	227	340
	Max	7,257		368	170	170	353	353	353	353	227	227	227	340

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Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NP_300_TR	Min					12.	12.	12.	12.	12.				
	Vol					12.	12.	12.	12.	12.				
	Max					12.	12.	12.	12.	12.				
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
WHC_BQUIP	Min	340	340	170.	170.	170.	226.6	226.6	255.	283.3	339.9	198.3	198.3	226.6
	Vol	340	340	170.	170.	170.	226.6	226.6	255.	283.3	339.9	198.3	198.3	226.6
	Max	340	340	170.	170.	170.	226.6	226.6	255.	283.3	339.9	198.3	198.3	226.6
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	340	340	170	170	182	239	239	267	295	340	198	198	227
	Vol	340	340	170	170	182	239	239	267	295	340	198	198	227
	Max	340	340	170	170	182	239	239	267	295	340	198	198	227

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Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
NP_300_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min				8.1	8.1	8.1	8.1	8.1					
	Vol				8.1	8.1	8.1	8.1	8.1					
	Max				8.1	8.1	8.1	8.1	8.1					
NP_REDOX_TR	Min						.4	.4	.4	.4	.4			
	Vol						.4	.4	.4	.4	.4			
	Max						.4	.4	.4	.4	.4			
NP_U_PLANT_TR	Min												.5	.5
	Vol												.5	.5
	Max												.5	.5
WHC_BQUIP	Min	283.3	339.9	170.										
	Vol	283.3	339.9	170.										
	Max	283.3	339.9	170.										
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	283	340	170	8	8	9	9	9	0	0		0	0
	Vol	283	340	170	8	8	9	9	9	0	0		0	0
	Max	283	340	170	8	8	9	9	9	0	0		0	0

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_I

Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
NP_300_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min	15	15	15.1	15.1	15.1								
	Vol	15	15	15.1	15.1	15.1								
	Max	15	15	15.1	15.1	15.1								
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min			.5										
	Vol			.5										
	Max			.5										
WHC_BQUIP	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	16	16	16	15	15								
	Vol	16	16	16	15	15								
	Max	16	16	16	15	15								

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Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
NP_300_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
WHC_BQUIP	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

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Non-Programmatic

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
NP_300_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
WHC_BQUIP	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
BAT_CLBS_LAB	Min	13							13.5					
	Vol	13							13.5					
	Max	13							13.5					
GEN_ATOM	Min	3			1.1	1.1	1.1							
	Vol	3			1.1	1.1	1.1							
	Max	3			1.1	1.1	1.1							
KAPL	Min	13							13.1					
	Vol	13							13.1					
	Max	13							13.1					
PEARL_HARBOR	Min	5							4.5					
	Vol	5							4.5					
	Max	5							4.5					
PORTSMOUTH_NS	Min	1							1.3					
	Vol	1							1.3					
	Max	1							1.3					
PUGET_SOUND	Min	27							26.6					
	Vol	27							26.6					
	Max	27							26.6					

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	62			1	1	1		59					
	Vol	62			1	1	1		59					
	Max	62			1	1	1		59					

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	750		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	1,500		20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	3,000		40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	750		10	10	10	10	10	10	10	10	10	10	10
	Vol	1,500		20	20	20	20	20	20	20	20	20	20	20
	Max	3,000		40	40	40	40	40	40	40	40	40	40	40

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Offsite

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BAT_CLBS_LAB	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
KAPL	Min													
	Vol													
	Max													
PEARL_HARBOR	Min													
	Vol													
	Max													
PORTSMOUTH_NS	Min													
	Vol													
	Max													
PUGET_SOUND	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40	40	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	10	10	10	10	10	10	10	10	10	10	10	10	10
	Vol	20	20	20	20	20	20	20	20	20	20	20	20	20
	Max	40	40	40	40	40	40	40	40	40	40	40	40	40

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Offsite

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
BAT_CLBS_LAB	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
KAPL	Min													
	Vol													
	Max													
PEARL_HARBOR	Min													
	Vol													
	Max													
PORTSMOUTH_NS	Min													
	Vol													
	Max													
PUGET_SOUND	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

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Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	10	10	10	10	10	10	10	10	10	10	10	10	10
	Vol	20	20	20	20	20	20	20	20	20	20	20	20	20
	Max	40	40	40	40	40	40	40	40	40	40	40	40	40

CH_LLMW_I**Offsite**

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
BAT_CLBS_LAB	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
KAPL	Min													
	Vol													
	Max													
PEARL_HARBOR	Min													
	Vol													
	Max													
PORTSMOUTH_NS	Min													
	Vol													
	Max													
PUGET_SOUND	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40	40	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	10	10	10	10	10	10	10	10	10	10	10	10	10
	Vol	20	20	20	20	20	20	20	20	20	20	20	20	20
	Max	40	40	40	40	40	40	40	40	40	40	40	40	40

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Offsite

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
BAT_CLBS_LAB	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
KAPL	Min													
	Vol													
	Max													
PEARL_HARBOR	Min													
	Vol													
	Max													
PORTSMOUTH_NS	Min													
	Vol													
	Max													
PUGET_SOUND	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

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Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40	40	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	10	10	10	10	10	10	10	10	10	10	10	10	10
	Vol	20	20	20	20	20	20	20	20	20	20	20	20	20
	Max	40	40	40	40	40	40	40	40	40	40	40	40	40

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Offsite

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
BAT_CLBS_LAB	Min													
	Vol													
	Max													
GEN_ATOM	Min													
	Vol													
	Max													
KAPL	Min													
	Vol													
	Max													
PEARL_HARBOR	Min													
	Vol													
	Max													
PORTSMOUTH_NS	Min													
	Vol													
	Max													
PUGET_SOUND	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	
	Vol	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	
	Max	40	40	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	10	10	10	10	10	10	10	10	10	10	10	10	
	Vol	20	20	20	20	20	20	20	20	20	20	20	20	
	Max	40	40	40	40	40	40	40	40	40	40	40	40	

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Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_WELL_DRL	Min	1,013		13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	2,025		27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	6,075		81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,013		14	14	14	14	14	14	14	14	14	14	14
	Vol	2,025		27	27	27	27	27	27	27	27	27	27	27
	Max	6,075		81	81	81	81	81	81	81	81	81	81	81

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_LLBG	Min													
	Vol	82			3.3			3.3			3.3			3.3
	Max	82			3.3			3.3			3.3			3.3
WHC_T_PLANT	Min	106		3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Vol	213		7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
	Max	426		14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
WHC_TRUSAF	Min													
	Vol	29			28.8									
	Max	29			28.8									

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	106		4	4	4	4	4	4	4	4	4	4	4
	Vol	324		7	39	7	7	10	7	7	10	7	7	10
	Max	537		14	46	14	14	18	14	14	18	14	14	18

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_K_OPER	Min	5		1.	1.	1.	1.	1.	.3					
	Vol	7		1.3	1.3	1.3	1.3	1.3	.3					
	Max	8		1.4	1.4	1.4	1.4	1.4	.4					

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	5		1	1	1	1	1	0					
	Vol	7		1	1	1	1	1	0					
	Max	8		1	1	1	1	1	0					

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RCRA Monitoring

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_WELL_DRL	Min	14	14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27	27	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81	81	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	14	14	14	14	14	14	14	14	14	14	14	14	14
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	27
	Max	81	81	81	81	81	81	81	81	81	81	81	81	81

Solid Waste

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_LLBG	Min													
	Vol			3.3			3.3			3.3			3.3	
	Max			3.3			3.3			3.3			3.3	
WHC_T_PLANT	Min	4	4	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Vol	7	7	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
	Max	14	14	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
WHC_TRUSAF	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	4	4	4	4	4	4	4	4	4	4	4	4	4
	Vol	7	7	10	7	7	10	7	7	10	7	7	10	7
	Max	14	14	18	14	14	18	14	14	18	14	14	18	14

Spent Nuclear Fuel

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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RCRA Monitoring

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_WELL_DRL	Min	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	14	14	14	14	14	14	14	14	14	14	14	14	14
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	27
	Max	81	81	81	81	81	81	81	81	81	81	81	81	81

Solid Waste

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_LLBG	Min													
	Vol		3.3			3.3			3.3			3.3		
	Max		3.3			3.3			3.3			3.3		
WHC_T_PLANT	Min	3.6	3.6	3.6	3.6	3.6	3.6							
	Vol	7.1	7.1	7.1	7.1	7.1	7.1							
	Max	14.2	14.2	14.2	14.2	14.2	14.2							
WHC_TRUSAF	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	4	4	4	4	4	4		0			0		
	Vol	7	10	7	7	10	7		3			3		
	Max	14	18	14	14	18	14		3			3		

Spent Nuclear Fuel

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

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RCRA Monitoring

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_WELL_DRL	Min	14	14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27	27	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81	81	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	14	14	14	14	14	14	14	14	14	14	14	14	14
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	27
	Max	81	81	81	81	81	81	81	81	81	81	81	81	81

Solid Waste

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_LLBG	Min													
	Vol	3			3.3			3.3			3.3			3.3
	Max	3			3.3			3.3			3.3			3.3
WHC_T_PLANT	Min													
	Vol													
	Max													
WHC_TRUSAF	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0			0			0			0			0
	Vol	3			3			3			3			3
	Max	3			3			3			3			3

Spent Nuclear Fuel

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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RCRA Monitoring

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_WELL_DRL	Min	14	14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27	27	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81	81	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	14	14	14	14	14	14	14	14	14	14	14	14	14
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	27
	Max	81	81	81	81	81	81	81	81	81	81	81	81	81

Solid Waste

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_LLBG	Min													
	Vol			3.3			3.3			3.3			3.3	
	Max			3.3			3.3			3.3			3.3	
WHC_T_PLANT	Min													
	Vol													
	Max													
WHC_TRUSAF	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min			0			0			0			0	
	Vol			3			3			3			3	
	Max			3			3			3			3	

Spent Nuclear Fuel

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

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RCRA Monitoring

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_WELL_DRL	Min	14	14	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	
	Vol	27	27	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	
	Max	81	81	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	

<i>Program total</i>		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	14	14	14	14	14	14	14	14	14	14	14	14	
	Vol	27	27	27	27	27	27	27	27	27	27	27	27	
	Max	81	81	81	81	81	81	81	81	81	81	81	81	

Solid Waste

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_LLBG	Min													
	Vol		3			3.3			3.3			3.3		
	Max		3			3.3			3.3			3.3		

WHC_T_PLANT	Min													
	Vol													
	Max													

WHC_TRUSAF	Min													
	Vol													
	Max													

<i>Program total</i>		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min		0			0			0			0		
	Vol		3			3			3			3		
	Max		3			3			3			3		

Spent Nuclear Fuel

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_K_OPER	Min													
	Vol													
	Max													

<i>Program total</i>		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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TWRS

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_HLVP	Min	159												
	Vol	337												
	Max	673												
WHC_LLVP	Min	17												.8
	Vol	36											1.6	1.6
	Max	72											3.2	3.2
WHC_PRETRT_TW	Min	9											.4	.4
	Vol	19										.8	.8	.8
	Max	38										1.6	1.6	1.6
WHC_SST_RET	Min	280			1.9							5.7	5.7	7.5
	Vol	351			2.4							7.1	7.1	9.4
	Max	421			2.9							8.5	8.5	11.3
WHC_TF_OPER	Min	3,818		110.9	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8
	Vol	4,773		138.6	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8
	Max	5,727		166.3	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
WHC_TWP_W314	Min	449					24.1	41.1	104.3	116.4	75.3	75.3	12.	
	Vol	4,485					240.7	410.61	1,043.41	1,163.8	753.2	753.2	120.3	
	Max	4,485					240.7	410.61	1,043.41	1,163.8	753.2	753.2	120.3	
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	4,733		111	130	128	152	169	232	244	203	209	146	137
	Vol	10,000		139	162	160	401	570	1,203	1,324	913	921	290	172
	Max	11,416		166	195	192	432	602	1,235	1,356	945	955	325	208

Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	18,617		843	519	673	926	666	804	743	571	578	517	620
	Vol	31,108		1,041	723	890	1,383	1,311	2,031	2,065	1,522	1,528	901	897
	Max	44,991		1,346	1,008	1,182	1,693	1,702	2,432	2,461	1,910	1,919	1,297	1,291

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_I

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_HLVP	Min				9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	Vol			18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
	Max			36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
WHC_LLVP	Min	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	2	2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Max	3	3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
WHC_PRETRT_TW	Min			.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	2	2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
WHC_SST_RET	Min	9	9	13.2	15.	18.8	22.6	26.3	32.	37.6	37.6	37.6		
	Vol	12	12	16.5	18.8	23.5	28.2	32.9	40.	47.	47.	47.		
	Max	14	14	19.8	22.6	28.2	33.8	39.5	48.	56.4	56.4	56.4		
WHC_TF_OPER	Min	128	128	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8
	Vol	160	160	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8
	Max	192	192	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
WHC_TWP_W314	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	138	138	142	153	157	161	164	170	176	176	176	138	138
	Vol	174	174	197	199	204	209	213	220	227	227	227	180	180
	Max	211	211	253	256	261	267	272	281	289	289	289	233	233

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	619	566	400	411	443	460	464	498	532	608	435	398	426
	Vol	891	786	642	641	704	682	683	719	758	860	657	614	639
	Max	1,281	1,070	945	945	1,072	965	967	1,004	1,044	1,208	944	891	916

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TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_HLVP	Min	9.1	9.1	9.1	9.1	9.1	9.1	6.8	4.6	2.3				
	Vol	18.2	18.2	18.2	18.2	18.2	18.2	13.7	9.1	4.6				
	Max	36.4	36.4	36.4	36.4	36.4	36.4	27.3	18.2	9.1				
WHC_LLVP	Min	.8	.8	.8	.8	.8	.8	.6	.4	.2				
	Vol	1.6	1.6	1.6	1.6	1.6	1.6	1.2	.8	.4				
	Max	3.2	3.2	3.2	3.2	3.2	3.2	2.4	1.6	.8				
WHC_PRETRT_TW	Min	.4	.4	.4	.4	.4	.4	.3	.2	.1				
	Vol	.8	.8	.8	.8	.8	.8	.6	.4	.2				
	Max	1.6	1.6	1.6	1.6	1.6	1.6	1.2	.8	.4				
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min	127.8	127.8	127.8	127.8	127.8	127.8							
	Vol	159.8	159.8	159.8	159.8	159.8	159.8							
	Max	191.8	191.8	191.8	191.8	191.8	191.8							
WHC_TWP_W314	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	138	138	138	138	138	138	8	5	3				
	Vol	180	180	180	180	180	180	15	10	5				
	Max	233	233	233	233	233	233	31	21	10				
Waste class total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	483	570	400	238	238	273	139	136	125	114	96	97	97
	Vol	570	691	518	356	359	425	253	251	234	212	180	177	177
	Max	721	904	731	569	573	706	490	483	461	426	361	358	358

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_I

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W314	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	112	111	61	60	60	45	45	45	45	45	45	45	45
	Vol	196	190	90	92	89	74	77	74	74	77	74	74	77
	Max	377	369	169	172	169	153	157	153	153	157	153	153	157

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CH_LLMW_I

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W314	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Waste class total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	45	45	45	45	45	45	45	45	45	45	45	45	45
	Vol	74	74	77	74	74	77	74	74	77	74	74	77	74
	Max	153	153	157	153	153	157	153	153	157	153	153	157	153

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_I

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W314	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	45	45	45	45	45	45	45	45	45	45	45	45	
	Vol	74	77	74	74	77	74	74	77	74	74	77	74	
	Max	153	157	153	153	157	153	153	157	153	153	157	153	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLMW_III

Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_PFP	Min	2					1.1						1.3	
	Vol	127		5.	5.1	5.	5.5	5.	5.7	5.5	5.2	5.2	5.3	5.2
	Max	636		25.	25.4	25.	27.4	25.	28.5	27.6	25.8	26.	26.6	26.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2		0	0	0	1	0	0	0	0	0	1	0
	Vol	127		5	5	5	5	5	6	6	5	5	5	5
	Max	636		25	25	25	27	25	29	28	26	26	27	26

Liquid Effluent

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_200 ETF	Min	2,368		57.3	17.5	15.5	19.1	23.9	8.4	7.4	7.7	9.9	45.2	87.
	Vol	4,735		114.6	34.9	31.	38.1	47.7	16.7	14.8	15.3	19.8	90.4	174.
	Max	7,103		171.9	52.4	46.5	57.2	71.6	25.1	22.1	23.	29.6	135.5	261.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,368		57	17	16	19	24	8	7	8	10	45	87
	Vol	4,735		115	35	31	38	48	17	15	15	20	90	174
	Max	7,103		172	52	47	57	72	25	22	23	30	136	261

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NP_300_TR	Min	2												
	Vol	2												
	Max	2												
NP_PFP_TR	Min	3												
	Vol	3												
	Max	3												
NP_PUREX_TR	Min	4												
	Vol	4												
	Max	4												
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	10												
	Vol	10												
	Max	10												

CH_LLMW_III

Facility Transitions

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_PFP	Min													
	Vol	5	1	.7	.7	3.5					2.5			
	Max	25	4	3.7	3.7	17.5					12.4			
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0					0			
	Vol	5	1	1	1	3					2			
	Max	25	4	4	4	17					12			

Liquid Effluent

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_200 ETF	Min	87	87	87.	90.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
	Vol	174	174	174.	180.9	183.	183.	183.	183.	183.	183.	183.	183.	183.
	Max	261	261	261.	271.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	87	87	87	90	91	91	91	91	91	91	91	91	91
	Vol	174	174	174	181	183	183	183	183	183	183	183	183	183
	Max	261	261	261	271	274	274	274	274	274	274	274	274	274

Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NP_300_TR	Min					.5	.5	.5	.5	.5				
	Vol					.5	.5	.5	.5	.5				
	Max					.5	.5	.5	.5	.5				
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min					0	0	0	0	0				
	Vol					0	0	0	0	0				
	Max					0	0	0	0	0				

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CH_LLMW_III

Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_PFP	Min													
	Vol		2.5	2.5	2.5	2.5	5.2	5.2	5.2	5.2	5.2	4.	4.	4.
	Max		12.4	12.4	12.4	12.4	26.2	26.2	26.2	26.2	26.2	20.2	20.2	20.2

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		0	0	0	0	0	0	0	0	0	0	0	0
	Vol		2	2	2	2	5	5	5	5	5	4	4	4
	Max		12	12	12	12	26	26	26	26	26	20	20	20

Liquid Effluent

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_200 ETF	Min	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	29.6	10.3	10.3	10.3
	Vol	183.	183.	183.	183.	183.	183.	183.	183.	183.	59.2	20.6	20.6	20.6
	Max	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	88.8	30.9	30.9	30.9

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	91	91	91	91	91	91	91	91	91	30	10	10	10
	Vol	183	183	183	183	183	183	183	183	183	59	21	21	21
	Max	274	274	274	274	274	274	274	274	274	89	31	31	31

Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
NP_300_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min				.9	.9	.9	.9	.9					
	Vol				.9	.9	.9	.9	.9					
	Max				.9	.9	.9	.9	.9					
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min				1	1	1	1	1	0	0		0	0
	Vol				1	1	1	1	1	0	0		0	0
	Max				1	1	1	1	1	0	0		0	0

CH_LLMW_III

Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_PFP	Min													
	Vol	4	4											
	Max	20	20											
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0											
	Vol	4	4											
	Max	20	20											

Liquid Effluent

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_200 ETF	Min	10												
	Vol	21												
	Max	31												
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	10												
	Vol	21												
	Max	31												

Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
NP_300_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min	1	1	.6	.6	.6								
	Vol	1	1	.6	.6	.6								
	Max	1	1	.6	.6	.6								
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	1	1	1	1	1								
	Vol	1	1	1	1	1								
	Max	1	1	1	1	1								

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CH_LLMW_III

Facility Transitions

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_PFP	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_200 ETF	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
NP_300_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

CH_LLMW_III**Facility Transitions**

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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WHC_PFP	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min													
Vol													
Max													

Liquid Effluent

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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WHC_200 ETF	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
----------------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

Non-Programmatic

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
--------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

NP_300_TR	Min												
	Vol												
	Max												

NP_PFP_TR	Min												
	Vol												
	Max												

NP_PUREX_TR	Min												
	Vol												
	Max												

NP_REDOX_TR	Min												
	Vol												
	Max												

NP_U_PLANT_TR	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_LLMW_III

Pacific Northwest National Laboratory

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	375		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	750		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	1,500		20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	375		5	5	5	5	5	5	5	5	5	5	5
	Vol	750		10	10	10	10	10	10	10	10	10	10	10
	Max	1,500		20	20	20	20	20	20	20	20	20	20	20

TWRS

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_HLVP	Min	217												
	Vol	459												
	Max	918												
WHC_LLVP	Min	11												.5
	Vol	23											1.	1.
	Max	45											2.	2.
WHC_PRETRT_TW	Min	6											.3	.3
	Vol	12										.5	.5	.5
	Max	24										1.	1.	1.
WHC_SST_LLE	Min	19,790			192.8	108.4	117.9	130.	146.	175.2	195.8	413.3	392.	439.3
	Vol	32,983			321.4	180.6	196.5	216.7	243.3	292.	326.4	688.8	653.3	732.2
	Max	46,176			450.	252.8	275.1	303.4	340.6	408.8	457.	964.3	914.6	1,025.1
WHC_SST_RET	Min	405			2.7							8.2	8.2	10.9
	Vol	507			3.4							10.2	10.2	13.6
	Max	608			4.1							12.2	12.2	16.3
WHC_TF_OPER	Min	1,644		47.7	55.	55.	55.	55.	55.	55.	55.	55.	55.	55.
	Vol	2,055		59.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
	Max	2,466		71.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
WHC_TWP_W320	Min	110		19.6	80.2	9.8								
	Vol	274		49.1	200.4	24.5								
	Max	274		49.1	200.4	24.5								
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	22,182		67	331	173	173	185	201	230	251	476	455	506
	Vol	36,312		109	594	274	265	286	312	361	395	768	734	816
	Max	50,510		121	737	360	358	386	423	491	540	1,060	1,012	1,127

Waste class total

	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Min	24,937		130	353	194	198	214	214	243	264	491	507	598
Vol	41,934		238	644	320	319	348	345	391	426	803	839	1,005
Max	59,759		338	835	451	462	503	497	561	608	1,136	1,195	1,434

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_III

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	20	20	20	20	20	20	20	20	20	20	20	20	20

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_HLVP	Min				12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
	Vol			24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
	Max			49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
WHC_LLVP	Min	1	1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
WHC_PRETRT_TW	Min			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	1	1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Max	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
WHC_SST_LLE	Min	528	501	593.	653.	915.41	1,004.71	1,168.81	1,370.61	1,561.51	1,666.11	1,696.6	544.9	628.9
	Vol	881	836	988.31	1,088.31	1,525.71	1,674.51	1,948.	2,284.42	2,602.52	2,776.92	2,827.7	908.21	1,048.2
	Max	1,233	1,170.1	1,383.61	1,523.62	2,136.	2,344.32	2,727.23	3,198.23	3,643.53	3,887.73	3,958.81	2,711.51	4,467.5
WHC_SST_RET	Min	14	14	19.	21.8	27.2	32.6	38.1	46.2	54.4	54.4	54.4		
	Vol	17	17	23.8	27.2	34.	40.8	47.6	57.8	68.	68.	68.		
	Max	20	20	28.6	32.6	40.8	49.	57.1	69.4	81.6	81.6	81.6		
WHC_TF_OPER	Min	55	55	55.	55.	55.	55.	55.	55.	55.	55.	55.	55.	55.
	Vol	69	69	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
	Max	83	83	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
WHC_TWP_W320	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	598	571	668	743	1,011	1,106	1,275	1,485	1,684	1,789	1,819	613	697
	Vol	968	923	1,107	1,211	1,655	1,810	2,091	2,437	2,766	2,940	2,991	1,003	1,143
	Max	1,339	1,276	1,547	1,691	2,312	2,528	2,919	3,403	3,860	4,104	4,176	1,407	1,603

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	690	663	760	838	1,108	1,202	1,372	1,582	1,781	1,885	1,916	710	794
	Vol	1,157	1,108	1,292	1,402	1,852	2,004	2,284	2,631	2,959	3,135	3,184	1,196	1,336
	Max	1,645	1,560	1,832	1,987	2,624	2,823	3,214	3,698	4,155	4,411	4,470	1,701	1,897

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Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	20	20	20	20	20	20	20	20	20	20	20	20	20

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_HLVP	Min	12.4	12.4	12.4	12.4	12.4	12.4	9.3	6.2	3.1				
	Vol	24.8	24.8	24.8	24.8	24.8	24.8	18.6	12.4	6.2				
	Max	49.6	49.6	49.6	49.6	49.6	49.6	37.2	24.8	12.4				
WHC_LLVP	Min	.5	.5	.5	.5	.5	.5	.4	.3	.1				
	Vol	1.	1.	1.	1.	1.	1.	.8	.5	.3				
	Max	2.	2.	2.	2.	2.	2.	1.5	1.	.5				
WHC_PRETRT_TW	Min	.3	.3	.3	.3	.3	.3	.2	.1	.1				
	Vol	.5	.5	.5	.5	.5	.5	.4	.3	.1				
	Max	1.	1.	1.	1.	1.	1.	.8	.5	.3				
WHC_SST_LLE	Min	728.5	876.11	1,013.81	1,013.81	1,013.8								
	Vol	1,214.21	1,460.11	1,689.61	1,689.61	1,689.6								
	Max	1,699.92	2,044.12	2,365.42	2,365.42	2,365.4								
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min	55.	55.	55.	55.	55.	55.							
	Vol	68.8	68.8	68.8	68.8	68.8	68.8							
	Max	82.6	82.6	82.6	82.6	82.6	82.6							
WHC_TWP_W320	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	797	944	1,082	1,082	1,082	68	10	7	3				
	Vol	1,309	1,555	1,785	1,785	1,785	95	20	13	7				
	Max	1,835	2,179	2,501	2,501	2,501	135	39	26	13				

Waste class total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	893	1,041	1,178	1,179	1,179	166	107	104	100	35	15	15	15
	Vol	1,502	1,751	1,980	1,981	1,981	294	219	212	205	74	35	35	35
	Max	2,129	2,486	2,807	2,808	2,808	457	361	348	334	135	71	71	71

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_LLMW_III

Pacific Northwest National Laboratory

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
<i>Program total</i>		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	20	20	20	20	20	20	20	20	20	20	20	20	20

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_LLE	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W320	Min													
	Vol													
	Max													
<i>Program total</i>		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

<i>Waste class total</i>		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	16	6	6	6	6	5	5	5	5	5	5	5	5
	Vol	35	15	11	11	11	10	10	10	10	10	10	10	10
	Max	72	41	21	21	21	20	20	20	20	20	20	20	20

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Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	20	20	20	20	20	20	20	20	20	20	20	20	20

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_LLE	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W320	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Waste class total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	20	20	20	20	20	20	20	20	20	20	20	20	20

CH_LLMW_III

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	
	Vol	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	
	Max	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	5	5	5	5	5	5	5	5	5	5	5	5	
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	
	Max	20	20	20	20	20	20	20	20	20	20	20	20	

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_SST_LLE	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W320	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	5	5	5	5	5	5	5	5	5	5	5	5	
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	
	Max	20	20	20	20	20	20	20	20	20	20	20	20	

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RH_LLMW_I

Pacific Northwest National Laboratory

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	38		.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	75		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	150		2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	38		1	1	1	1	1	1	1	1	1	1	1
	Vol	75		1	1	1	1	1	1	1	1	1	1	1
	Max	150		2	2	2	2	2	2	2	2	2	2	2

Solid Waste

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_T_PLANT	Min													
	Vol	71		14.2	14.2	14.2	14.2	14.2						
	Max	71		14.2	14.2	14.2	14.2	14.2						
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0	0	0	0	0						
	Vol	71		14	14	14	14	14						
	Max	71		14	14	14	14	14						

WPS

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_SST_RET	Min	125			.8							2.5	2.5	3.4
	Vol	156			1.							3.1	3.1	4.2
	Max	187			1.2							3.7	3.7	5.
WHC_TF_OPER	Min	941		28.8	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
	Vol	1,176		36.	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
	Max	1,411		43.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,065		29	32	31	31	31	31	31	31	34	34	35
	Vol	1,332		36	40	39	39	39	39	39	39	42	42	44
	Max	1,598		43	48	47	47	47	47	47	47	51	51	52

Waste class total

	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Min	1,103		29	33	32	32	32	32	32	32	34	34	35
Vol	1,478		51	56	55	55	55	40	40	40	43	43	45
Max	1,819		59	65	63	63	63	49	49	49	53	53	54

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLMW_I

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	1	1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

Solid Waste

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_T_PLANT	Min													
	Vol													
	Max													
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_SST_RET	Min	4	4	5.8	6.7	8.4	10.1	11.8	14.2	16.8	16.8	16.8		
	Vol	5	5	7.3	8.4	10.5	12.6	14.7	17.8	21.	21.	21.		
	Max	6	6	8.8	10.1	12.6	15.1	17.6	21.4	25.2	25.2	25.2		
WHC_TF_OPER	Min	31	31	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
	Vol	39	39	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
	Max	47	47	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	36	36	37	38	40	42	43	46	48	48	48	31	31
	Vol	45	45	47	48	50	52	54	57	60	60	60	39	39
	Max	53	53	56	57	60	62	65	69	72	72	72	47	47

Waste class total

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Min	36	36	38	39	40	42	44	46	49	49	49	32	32
Vol	46	46	48	49	51	53	55	58	61	61	61	40	40
Max	55	55	58	59	62	64	67	71	74	74	74	49	49

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Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

Solid Waste

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_T_PLANT	Min													
	Vol													
	Max													

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min	31.4	31.4	31.4	31.4	31.4	31.4							
	Vol	39.3	39.3	39.3	39.3	39.3	39.3							
	Max	47.2	47.2	47.2	47.2	47.2	47.2							

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	31	31	31	31	31	31							
	Vol	39	39	39	39	39	39							
	Max	47	47	47	47	47	47							

Waste class total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	32	32	32	32	32	32	1	1	1	1	1	1	1
	Vol	40	40	40	40	40	40	1	1	1	1	1	1	1
	Max	49	49	49	49	49	49	2	2	2	2	2	2	2

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLMW_I

Pacific Northwest National Laboratory

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min	1	1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

Solid Waste

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_T_PLANT	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total

	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Min	1	1	1	1	1	1	1	1	1	1	1	1	1
Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
Max	2	2	2	2	2	2	2	2	2	2	2	2	2

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Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min	1	1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

Solid Waste

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_T_PLANT	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Waste class total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

RH_LLMW_I

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min	1	1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	1	1	1	1	1	1	1	1	1	1	1	1	
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	
	Max	2	2	2	2	2	2	2	2	2	2	2	2	

Solid Waste

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_T_PLANT	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_SST_RET	Min													
	Vol													
	Max													

WHC_TF_OPER	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	1	1	1	1	1	1	1	1	1	1	1	1	
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	
	Max	2	2	2	2	2	2	2	2	2	2	2	2	

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Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_B_PLANT	Min	657		18.6	18.6	58.2	71.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5
	Vol	657		18.6	18.6	58.2	71.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5
	Max	657		18.6	18.6	58.2	71.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	657		19	19	58	71	25	25	25	25	25	25	25
	Vol	657		19	19	58	71	25	25	25	25	25	25	25
	Max	657		19	19	58	71	25	25	25	25	25	25	25

Non-Programmatic

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NP_300_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0												
	Vol	0												
	Max	0												

Pacific Northwest National Laboratory

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	75		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	150		2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	300		4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	75		1	1	1	1	1	1	1	1	1	1	1
	Vol	150		2	2	2	2	2	2	2	2	2	2	2
	Max	300		4	4	4	4	4	4	4	4	4	4	4

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLMW_III

Facility Transitions

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_B_PLANT	Min	25	25	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
	Vol	25	25	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
	Max	25	25	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	25	25	25	25	25	25	25	25	25	25	25	25	25
	Vol	25	25	25	25	25	25	25	25	25	25	25	25	25
	Max	25	25	25	25	25	25	25	25	25	25	25	25	25

Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NP_300_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min					0	0	0	0	0				
	Vol					0	0	0	0	0				
	Max					0	0	0	0	0				

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Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4	4	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	2	2	2	2	2	2	2	2	2	2	2	2	2
	Max	4	4	4	4	4	4	4	4	4	4	4	4	4

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Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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WHC_B_PLANT	Min													
	Vol													
	Max													

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Min														
Vol														
Max														

Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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NP_300_TR	Min													
	Vol													
	Max													

NP_U_PLANT_TR	Min													
	Vol													
	Max													

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Min													0	0
Vol													0	0
Max													0	0

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Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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PNNL	Min	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Min		1	1	1	1	1	1	1	1	1	1	1	1	1
Vol		2	2	2	2	2	2	2	2	2	2	2	2	2
Max		4	4	4	4	4	4	4	4	4	4	4	4	4

RH_LLMW_III

Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_B_PLANT	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
NP_300_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0										
	Vol	0	0	0										
	Max	0	0	0										

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Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4	4	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	2	2	2	2	2	2	2	2	2	2	2	2	2
	Max	4	4	4	4	4	4	4	4	4	4	4	4	4

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Facility Transitions

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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WHC_B_PLANT	Min													
	Vol													
	Max													

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min	
Vol	
Max	

Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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NP_300_TR	Min													
	Vol													
	Max													

NP_U_PLANT_TR	Min													
	Vol													
	Max													

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min	
Vol	
Max	

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Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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PNNL	Min	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4	4	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Vol	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Max	4	4	4	4	4	4	4	4	4	4	4	4	4	4

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLMW_III

Facility Transitions

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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WHC_B_PLANT	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min														
Vol														
Max														

Non-Programmatic

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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NP_300_TR	Min													
	Vol													
	Max													

NP_U_PLANT_TR	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min														
Vol														
Max														

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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PNNL	Min	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	
	Vol	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	
	Max	4	4	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	--	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min	1	1	1	1	1	1	1	1	1	1	1	1	1	
Vol	2	2	2	2	2	2	2	2	2	2	2	2	2	
Max	4	4	4	4	4	4	4	4	4	4	4	4	4	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLMW_III

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_DST_RET	Min	322												
	Vol	643												
	Max	1,287												
WHC_SST_RET	Min	186			1.3							3.8	3.8	5.
	Vol	232			1.6							4.7	4.7	6.2
	Max	279			1.9							5.6	5.6	7.4
WHC_TF_OPER	Min	411		12.	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
	Vol	514		15.	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	617		18.	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
WHC_TWP_W151	Min	54							53.9					
	Vol	108							107.8					
	Max	216							215.6					
WHC_TWP_W211	Min	128			7.1	7.1	7.1	14.2	14.2	14.2	14.2	7.1	7.1	14.2
	Vol	255			14.2	14.2	14.2	28.3	28.3	28.3	28.3	14.2	14.2	28.3
	Max	510			28.4	28.4	28.4	56.6	56.6	56.6	56.6	28.4	28.4	56.6
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,100		12	22	21	21	28	82	28	28	25	25	33
	Vol	1,752		15	33	31	31	46	153	46	46	36	36	52
	Max	2,908		18	51	49	49	77	293	77	77	55	55	85
Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,832		32	42	80	93	53	107	53	53	50	50	58
	Vol	2,560		36	54	92	105	72	180	72	72	63	63	78
	Max	3,865		41	74	111	124	106	321	106	106	83	83	113

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLMW_III

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_DST_RET	Min					22.4	221.2	22.4	22.4	22.4	11.2			
	Vol					44.7	442.3	44.7	44.7	44.7	22.3			
	Max					89.4	884.6	89.4	89.4	89.4	44.6			
WHC_SST_RET	Min	6	6	8.7	10.	12.5	15.	17.4	21.2	24.9	25.	24.9		
	Vol	8	8	10.9	12.5	15.6	18.7	21.8	26.5	31.1	31.2	31.1		
	Max	9	9	13.1	15.	18.7	22.4	26.2	31.8	37.3	37.4	37.3		
WHC_TF_OPER	Min	14	14	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
	Vol	17	17	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	21	21	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min	7	7	7.1										
	Vol	14	14	14.2										
	Max	28	28	28.4										

Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	27	27	30	24	49	250	54	57	61	50	39	14	14
	Vol	39	39	42	30	78	478	84	88	93	71	48	17	17
	Max	58	58	62	36	129	928	136	142	147	103	58	21	21

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	53	53	55	49	74	275	79	83	87	75	64	39	39
	Vol	66	66	69	56	104	505	110	115	120	97	75	44	44
	Max	87	87	91	64	157	956	165	170	176	131	86	49	49

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLMW_III

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min	13.8	13.8	13.8	13.8	13.8	13.8							
	Vol	17.2	17.2	17.2	17.2	17.2	17.2							
	Max	20.6	20.6	20.6	20.6	20.6	20.6							
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	14	14	14	14	14	14							
	Vol	17	17	17	17	17	17							
	Max	21	21	21	21	21	21							

Waste class total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	15	15	15	15	15	15	1	1	1	1	1	1	1
	Vol	19	19	19	19	19	19	2	2	2	2	2	2	2
	Max	25	25	25	25	25	25	4	4	4	4	4	4	4

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLMW_III

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	2	2	2	2	2	2	2	2	2	2	2	2	2
	Max	4	4	4	4	4	4	4	4	4	4	4	4	4

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLMW_III

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Waste class total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	2	2	2	2	2	2	2	2	2	2	2	2	2
	Max	4	4	4	4	4	4	4	4	4	4	4	4	4

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_LLMW_III

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_SST_RET	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
WHC_TWP_W151	Min													
	Vol													
	Max													
WHC_TWP_W211	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	1	1	1	1	1	1	1	1	1	1	1	1	
	Vol	2	2	2	2	2	2	2	2	2	2	2	2	
	Max	4	4	4	4	4	4	4	4	4	4	4	4	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLMW_GTCIII

Pacific Northwest National Laboratory

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	263		7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	525		15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	1,050		30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	263		8	8	8	8	8	8	8	8	8	8	8
	Vol	525		15	15	15	15	15	15	15	15	15	15	15
	Max	1,050		30	30	30	30	30	30	30	30	30	30	30

WWS

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_DST_RET	Min	56												
	Vol	112												
	Max	223												
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	56												
	Vol	112												
	Max	223												

Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	318		8	8	8	8	8	8	8	8	8	8	8
	Vol	637		15	15	15	15	15	15	15	15	15	15	15
	Max	1,273		30	30	30	30	30	30	30	30	30	30	30

RH_LLMW_GTCIII

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	8	8	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15	15	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30	30	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	8	8	8	8	8	8	8	8	8	8	8	8	8
	Vol	15	15	15	15	15	15	15	15	15	15	15	15	15
	Max	30	30	30	30	30	30	30	30	30	30	30	30	30

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_DST_RET	Min		22	22.4	11.2									
	Vol		45	44.7	22.3									
	Max		89	89.4	44.6									
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min		22	22	11									
	Vol		45	45	22									
	Max		89	89	45									

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	8	30	30	19	8	8	8	8	8	8	8	8	8
	Vol	15	60	60	37	15	15	15	15	15	15	15	15	15
	Max	30	119	119	75	30	30	30	30	30	30	30	30	30

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLMW_GTCIII

Pacific Northwest National Laboratory

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5		
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.		
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.		
<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	8	8	8	8	8	8	8	8	8	8	8		
	Vol	15	15	15	15	15	15	15	15	15	15	15		
	Max	30	30	30	30	30	30	30	30	30	30	30		

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_DST_RET	Min													
	Vol													
	Max													
<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

<i>Waste class total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	8	8	8	8	8	8	8	8	8	8	8		
	Vol	15	15	15	15	15	15	15	15	15	15	15		
	Max	30	30	30	30	30	30	30	30	30	30	30		

RH_LLMW_GTCIII

Pacific Northwest National Laboratory

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_DST_RET	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total

Min
Vol
Max

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_LLMW_GTCIII

Pacific Northwest National Laboratory

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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PNNL	Min												
	Vol												
	Max												

<i>Program total</i>	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min													
Vol													
Max													

TWRS

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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WHC_DST_RET	Min												
	Vol												
	Max												

<i>Program total</i>	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min													
Vol													
Max													

Waste class total

2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min												
Vol												
Max												

RH_LLMW_GTCIII

Pacific Northwest National Laboratory

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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PNNL	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min													
Vol													
Max													

TWRS

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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WHC_DST_RET	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min													
Vol													
Max													

Waste class total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRU

EPFO (Environmental Protection)

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
BHI_SURPLS_FAC	Min	1,519		3.	21.	20.	12.							
	Vol	1,519		3.	21.	20.	12.							
	Max	1,519		3.	21.	20.	12.							

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,519		3	21	20	12							
	Vol	1,519		3	21	20	12							
	Max	1,519		3	21	20	12							

Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_FFTF	Min	2		1.3	.4									
	Vol	3		2.6	.8									
	Max	5		3.9	1.2									
WHC_PFP	Min	630		27.4	59.1	66.6	72.6	63.9	42.8	65.6	42.6	43.	30.8	59.1
	Vol	3,471		109.5	236.3	332.8	290.2	255.4	171.2	262.4	170.3	86.	61.7	118.2
	Max	10,881		219.	472.7	665.6	580.4	510.9	342.3	524.8	340.6	172.	123.4	236.3
WHC_PUREX	Min	5		4.8										
	Vol	10		9.6										
	Max	19		19.2										

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	636		33	59	67	73	64	43	66	43	43	31	59
	Vol	3,484		122	237	333	290	255	171	262	170	86	62	118
	Max	10,905		242	474	666	580	511	342	525	341	172	123	236

CH_TRU

EM-40 (Environmental Restoration)

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total														
	Min													
	Vol													
	Max													

Facility Transitions

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min	32	3	3	3	15.2								
	Vol	64	6	6.1	6.1	30.4					15.6			
	Max	129	30	30.4	30.4	152.1					78.2			
WHC_PUREX	Min													
	Vol													
	Max													
Program total														
	Min	32	3	3	3	15					0			
	Vol	64	6	6	6	30					16			
	Max	129	30	30	30	152					78			

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRU

EM-40 (Environmental Restoration)

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
BHI_SURPLS_FAC	Min		514.	222.	185.	161.	275.	98.	8.					
	Vol		514.	222.	185.	161.	275.	98.	8.					
	Max		514.	222.	185.	161.	275.	98.	8.					

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		514	222	185	161	275	98	8					
	Vol		514	222	185	161	275	98	8					
	Max		514	222	185	161	275	98	8					

Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol		15.6	15.6	15.6	15.6	237.2	237.2	237.2	237.2	237.2			
	Max		78.2	78.2	78.2	78.2	1,186.	1,186.	1,186.	1,186.	1,186.			
WHC_PUREX	Min													
	Vol													
	Max													

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		0	0	0	0	0	0	0	0	0			
	Vol		16	16	16	16	237	237	237	237	237			
	Max		78	78	78	78	1,186	1,186	1,186	1,186	1,186			

CH_TRU

EM-40 (Environmental Restoration)

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total														
	Min													
	Vol													
	Max													

Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total														
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRU

EM-40 (Environmental Restoration)

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
--------------	------	------	------	------	------	------	------	------	------	------	------	------	------

BHI_SURPLS_FAC	Min												
	Vol												
	Max												

Program total	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
----------------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

Facility Transitions

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
--------------	------	------	------	------	------	------	------	------	------	------	------	------	------

WHC_FTF	Min												
	Vol												
	Max												

WHC_PFP	Min												
	Vol												
	Max												

WHC_PUREX	Min												
	Vol												
	Max												

Program total	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
----------------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

CH_TRU

EM-40 (Environmental Restoration)

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
--------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

BHI_SURPLS_FAC	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

Facility Transitions

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
--------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

WHC_FFTF	Min												
	Vol												
	Max												

WHC_PFP	Min												
	Vol												
	Max												

WHC_PUREX	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRU

Non-Programmatic

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NP_300_TR	Min	631												
	Vol	631												
	Max	631												
NP_400_TR	Min	73												
	Vol	73												
	Max	73												
NP_B_PLANT_TR	Min	57												
	Vol	57												
	Max	57												
NP_PFP_TR	Min	48												
	Vol	48												
	Max	48												
NP_PUREX_TR	Min	90												
	Vol	90												
	Max	90												
NP_REDOX_TR	Min	173												
	Vol	173												
	Max	173												
NP_SITE_SUP_TR	Min	30												
	Vol	30												
	Max	30												
NP_T_PLANT_TR	Min	34												
	Vol	34												
	Max	34												
NP_U_PLANT_TR	Min	9												
	Vol	9												
	Max	9												
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,146												
	Vol	1,146												
	Max	1,146												

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRU

Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NP_300_TR	Min					126.2	126.2	126.2	126.2	126.2				
	Vol					126.2	126.2	126.2	126.2	126.2				
	Max					126.2	126.2	126.2	126.2	126.2				
NP_400_TR	Min													14.6
	Vol													14.6
	Max													14.6
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min					126	126	126	126	126				15
	Vol					126	126	126	126	126				15
	Max					126	126	126	126	126				15

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CH TRU

Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min	14.6	14.6	14.6	14.6									
	Vol	14.6	14.6	14.6	14.6									
	Max	14.6	14.6	14.6	14.6									
NP_B_PLANT_TR	Min		11.5	11.5	11.5	11.5	11.5							
	Vol		11.5	11.5	11.5	11.5	11.5							
	Max		11.5	11.5	11.5	11.5	11.5							
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min				18.	18.	18.	18.	18.					
	Vol				18.	18.	18.	18.	18.					
	Max				18.	18.	18.	18.	18.					
NP_REDOX_TR	Min						34.7	34.7	34.7	34.7	34.7			
	Vol						34.7	34.7	34.7	34.7	34.7			
	Max						34.7	34.7	34.7	34.7	34.7			
NP_SITE_SUP_TR	Min								6.	6.	6.	6.	6.	
	Vol								6.	6.	6.	6.	6.	
	Max								6.	6.	6.	6.	6.	
NP_T_PLANT_TR	Min										6.7	6.7	6.7	6.7
	Vol										6.7	6.7	6.7	6.7
	Max										6.7	6.7	6.7	6.7
NP_U_PLANT_TR	Min												1.9	1.9
	Vol												1.9	1.9
	Max												1.9	1.9
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	15	26	26	44	29	64	53	59	41	47	13	15	9
	Vol	15	26	26	44	29	64	53	59	41	47	13	15	9
	Max	15	26	26	44	29	64	53	59	41	47	13	15	9

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRU

Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min	10	10	9.6	9.6	9.6								
	Vol	10	10	9.6	9.6	9.6								
	Max	10	10	9.6	9.6	9.6								
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min	7												
	Vol	7												
	Max	7												
NP_U_PLANT_TR	Min	2	2	1.9										
	Vol	2	2	1.9										
	Max	2	2	1.9										
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	18	11	11	10	10								
	Vol	18	11	11	10	10								
	Max	18	11	11	10	10								

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CH_TRU

Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRU

Non-Programmatic

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
<i>Program total</i>		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRU

<i>CH_TRU</i>													
Abbreviation	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
AMES	Min												
	Vol												
	Max										.1		
ANL_E	Min												
	Vol	196	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
	Max	196	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Program total	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	196	6	6	6	6	6	6	6	6	6	6	6
	Max	196	6	6	6	6	6	6	6	6	6	6	6

<i>PNNL</i>													
Abbreviation	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	175	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	350	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	700	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
Program total	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	175	5	5	5	5	5	5	5	5	5	5	5
	Vol	350	10	10	10	10	10	10	10	10	10	10	10
	Max	700	20	20	20	20	20	20	20	20	20	20	20

<i>WHC_K_OPER</i>													
Abbreviation	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_K_OPER	Min	165	25.1	32.8	32.8	32.8	32.8	8.2					
	Vol	206	31.4	41.	41.	41.	41.	10.3					
	Max	247	37.7	49.2	49.2	49.2	49.2	12.3					
WHC_K_PROJECT	Min												
	Vol		.3										
	Max		.3										
Program total	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	165	25	33	33	33	33	8					
	Vol	206	32	41	41	41	41	10					
	Max	247	38	49	49	49	49	12					

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRU

Offsite

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
AMES	Min													
	Vol													
	Max								.1					
ANL_E	Min													
	Vol	6	6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
	Max	6	6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	6	6	6	6	6	6	6	6	6	6	6	6
	Max	6	6	6	6	6	6	6	6	6	6	6	6	6

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Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20	20	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	20	20	20	20	20	20	20	20	20	20	20	20	20

Spent Nuclear Fuel

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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CH TRU

Offsite

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
AMES	Min													
	Vol													
	Max													
ANL_E	Min													
	Vol	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6		
	Max	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6		
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	0	0	0	0	0		
	Vol	6	6	6	6	6	6	6	6	6	6	6		
	Max	6	6	6	6	6	6	6	6	6	6	6		

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Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.		
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.		
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.		
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	5	5	5	5	5	5	5	5	5	5	5		
	Vol	10	10	10	10	10	10	10	10	10	10	10		
	Max	20	20	20	20	20	20	20	20	20	20	20		

Spent Nuclear Fuel

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRU

Offsite

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
AMES	Min													
	Vol													
	Max													
ANL_E	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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CH_TRU

Offsite

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
AMES	Min													
	Vol													
	Max													
ANL_E	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

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Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

CH_TRU**Offsite**

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
AMES	Min													
	Vol													
	Max													
ANL_E	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_K_OPER	Min													
	Vol													
	Max													
WHC_K_PROJECT	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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CH_TRU														
WRS														
Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_HLVP	Min	513												
	Vol	1,084												
	Max	2,168												
WHC_TWP_W058	Min	5		3.5	1.5									
	Vol	7		4.7	2.									
	Max	8		5.9	2.5									
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	518		4	2									
	Vol	1,091		5	2									
	Max	2,177		6	3									
Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	4,158		70	120	124	122	102	56	71	48	48	36	64
	Vol	7,992		177	317	409	359	312	197	278	186	102	77	134
	Max	16,890		315	572	760	667	586	380	550	366	198	149	262

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRU

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_HLVP	Min				29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
	Vol			58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
	Max			117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
WHC_TWP_W058	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min			0	29	29	29	29	29	29	29	29	29	29
	Vol			59	59	59	59	59	59	59	59	59	59	59
	Max			117	117	117	117	117	117	117	117	117	117	117

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	37	8	8	37	176	160	160	160	160	34	34	34	49
	Vol	80	22	80	80	231	200	200	200	200	90	74	74	89
	Max	154	56	173	173	421	269	269	269	269	221	143	143	157

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRU

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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WHC_HLVP	Min	29.3	29.3	29.3	29.3	29.3	29.3	22.	14.7	7.3				
	Vol	58.6	58.6	58.6	58.6	58.6	58.6	44.	29.3	14.7				
	Max	117.2	117.2	117.2	117.2	117.2	117.2	87.9	58.6	29.3				

WHC_TWP_W058	Min													
	Vol													
	Max													

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
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Min	29	29	29	29	29	29	22	15	7					
Vol	59	59	59	59	59	59	44	29	15					
Max	117	117	117	117	117	117	88	59	29					

<i>Waste class total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
---------------------------------	--	------	------	------	------	------	------	------	------	------	------	------	------	------

Min	49	574	282	263	225	373	178	86	53	52	18	15	9	
Vol	89	630	338	319	280	651	447	349	308	300	28	15	9	
Max	157	761	469	450	411	1,668	1,450	1,337	1,282	1,259	38	15	9	

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRU

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_HLVP	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	18	11	11	10	10								
	Vol	18	11	11	10	10								
	Max	18	11	11	10	10								

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRU

TWRS

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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WHC_HLVP	Min												
	Vol												
	Max												

WHC_TWP_W058	Min												
	Vol												
	Max												

<i>Program total</i>	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
-----------------------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

<i>Waste class total</i>	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min													
Vol													
Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRU

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_HLVP	Min													
	Vol													
	Max													
WHC_TWP_W058	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH TRU

GM-40 (Environmental Restoration)

Abbravation												
BHI_SURPLS_FAC												
Min	Vol	Max	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003
360	360	360										
Program total												
 
360	360											

Totals may not add due to rounding.

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E.194

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_TRU

EM-40 (Environmental Restoration)

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Offsite

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BAT_CLBS_LAB	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	3	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Vol	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	3	3	3	3	3	3	3	3	3	3	3	3	3
	Vol	5	5	5	5	5	5	5	5	5	5	5	5	5
	Max	10	10	10	10	10	10	10	10	10	10	10	10	10

Spent Nuclear Fuel

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_TRU

EM-40 (Environmental Restoration)

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
BHI_SURPLS_FAC	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Offsite

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
BAT_CLBS_LAB	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.		
	Max	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.		
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	3	3	3	3	3	3	3	3	3	3	3		
	Vol	5	5	5	5	5	5	5	5	5	5	5		
	Max	10	10	10	10	10	10	10	10	10	10	10		

Spent Nuclear Fuel

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_TRU

EM-40 (Environmental Restoration)

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
BHI_SURPLS_FAC	Min													180.
	Vol													180.
	Max													180.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													180
	Vol													180
	Max													180

Offsite

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
BAT_CLBS_LAB	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
PNNL	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_TRU

EM-40 (Environmental Restoration)

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
BHI_SURPLS_FAC	Min	180												
	Vol	180												
	Max	180												
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	180												
	Vol	180												
	Max	180												

Offsite

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
BAT_CLBS_LAB	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Pacific Northwest National Laboratory

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

RH_TRU

EM-40 (Environmental Restoration)

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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BHI_SURPLS_FAC	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

Offsite

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
--------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

BAT_CLBS_LAB	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

Pacific Northwest National Laboratory

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
--------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

PNNL	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

Spent Nuclear Fuel

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
--------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

WHC_K_OPER	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_TRU

WHS

Abbreviation	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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WHC_HLVP	Min	437											
	Vol	923											
	Max	1,846											

Program total	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
---------------	-------	------	------	------	------	------	------	------	------	------	------	------	------

	Min	437											
	Vol	923											
	Max	1,846											

Waste class total	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
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	Min	914	3	33	3	3	3	3	3	3	3	3	3
	Vol	1,579	5	41	33	33	33	5	5	5	5	5	5
	Max	2,684	10	53	38	38	38	10	10	10	10	10	10

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_TRU

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
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WHC_HLVP	Min				25.	25.	25.	25.	25.	25.	25.	25.	25.	25.
	Vol			49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
	Max			99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

Program total

		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min			0	25	25	25	25	25	25	25	25	25	25
	Vol			50	50	50	50	50	50	50	50	50	50	50
	Max			100	100	100	100	100	100	100	100	100	100	100

Waste class total

		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	3	3	3	27	27	27	27	27	27	27	27	27	27
	Vol	5	5	55	55	55	55	55	55	55	55	55	55	55
	Max	10	10	110	110	110	110	110	110	110	110	110	110	110

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_TRU

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_HLVP	Min	25.	25.	25.	25.	25.	25.	18.7	12.5	6.2				
	Vol	49.9	49.9	49.9	49.9	49.9	49.9	37.4	25.	12.5				
	Max	99.8	99.8	99.8	99.8	99.8	99.8	74.9	49.9	25.				

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	25	25	25	25	25	25	19	12	6				
	Vol	50	50	50	50	50	50	37	25	12				
	Max	100	100	100	100	100	100	75	50	25				

<i>Waste class total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	27	27	27	27	27	27	21	15	9	3	3		
	Vol	55	55	55	55	55	55	42	30	17	5	5		
	Max	110	110	110	110	110	110	85	60	35	10	10		

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_TRU

TWRS

Abbreviation	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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WHC_HLVP	Min												
	Vol												
	Max												

Program total	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
---------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

Waste class total	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min													180
Vol													180
Max													180

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_TRU

TWRS

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
--------------	------	------	------	------	------	------	------	------	------	------	------	------	------

WHC_HLVP	Min												
	Vol												
	Max												

Program total	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
---------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

Waste class total	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min	180												
Vol	180												
Max	180												

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_TRU

TWRS

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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WHC_HLVP	Min												
	Vol												
	Max												

<i>Program total</i>	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min													
Vol													
Max													

<i>Waste class total</i>	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRUM

Analytical Services

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_ANALYT_LAB	Min	23		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	23		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	45		.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	23		0	0	0	0	0	0	0	0	0	0	0
	Vol	23		0	0	0	0	0	0	0	0	0	0	0
	Max	45		1	1	1	1	1	1	1	1	1	1	1

Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_FFTF	Min	1		.4	.1									
	Vol	1		.4	.1									
	Max	1		.4	.1									
WHC_PFP	Min	237		8.3	17.8	25.1	21.9	19.3	6.5	9.9	7.7	3.2	4.7	8.9
	Vol	524		16.5	35.7	50.2	43.8	38.6	25.8	39.6	25.7	13.	9.3	17.8
	Max	1,048		33.	71.3	100.4	87.6	77.1	51.7	79.2	51.4	26.	18.6	35.7
WHC_PUREX	Min	1		1.										
	Vol	2		2.1										
	Max	4		4.2										

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	239		10	18	25	22	19	6	10	8	3	5	9
	Vol	526		19	36	50	44	39	26	40	26	13	9	18
	Max	1,052		38	71	100	88	77	52	79	51	26	19	36

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRUM

Analytical Services

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_ANALYT_LAB	Min			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	1	1	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

Facility Transitions

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min	5		.5	.5	2.3					1.2			
	Vol	10	1	.9	.9	4.6					2.4			
	Max	19	2	1.8	1.8	9.2					4.7			
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	5	0	0	0	2					1			
	Vol	10	1	1	1	5					2			
	Max	19	2	2	2	9					5			

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Analytical Services

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_ANALYT_LAB	Min	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min		1.2	1.2	1.2	1.2	17.9	17.9	17.9	17.9	17.9			
	Vol		2.4	2.4	2.4	2.4	35.8	35.8	35.8	35.8	35.8			
	Max		4.7	4.7	4.7	4.7	71.6	71.6	71.6	71.6	71.6			
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		1	1	1	1	18	18	18	18	18			
	Vol		2	2	2	2	36	36	36	36	36			
	Max		5	5	5	5	72	72	72	72	72			

Appendix E: Annual Waste Class, Waste Generator Volumes

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Analytical Services

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_ANALYT_LAB	Min			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	1	1	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Analytical Services

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_ANALYT_LAB	Min			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	1	1	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

Facility Transitions

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

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Analytical Services

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_ANALYT_LAB	Min			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	
	Vol			.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	
	Max	1	1	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	0	0	0	0	0	0	0	0	0	0	0	0	
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	
	Max	1	1	1	1	1	1	1	1	1	1	1	1	

Facility Transitions

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_FFTF	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Non-Programmatic

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
NP_300_TR	Min	95												
	Vol	95												
	Max	95												
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min	1												
	Vol	1												
	Max	1												
NP_PFP_TR	Min	7												
	Vol	7												
	Max	7												
NP_PUREX_TR	Min	20												
	Vol	20												
	Max	20												
NP_REDOX_TR	Min	38												
	Vol	38												
	Max	38												
NP_SITE_SUP_TR	Min	5												
	Vol	5												
	Max	5												
NP_T_PLANT_TR	Min	7												
	Vol	7												
	Max	7												
NP_U_PLANT_TR	Min	1												
	Vol	1												
	Max	1												
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	174												
	Vol	174												
	Max	174												

Site

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
AMES	Min													
	Vol													
	Max											.1		
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0										0		
	Vol	0										0		
	Max	0										0		

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRUM

Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
NP_300_TR	Min					19.1	19.1	19.1	19.1	19.1				
	Vol					19.1	19.1	19.1	19.1	19.1				
	Max					19.1	19.1	19.1	19.1	19.1				
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min					19	19	19	19	19				0
	Vol					19	19	19	19	19				0
	Max					19	19	19	19	19				0

Offsite

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
AMES	Min													
	Vol													
	Max								.1					
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min								0					
	Vol								0					
	Max								0					

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Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min		.2	.2	.2	.2	.2							
	Vol		.2	.2	.2	.2	.2							
	Max		.2	.2	.2	.2	.2							
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min				3.9	3.9	3.9	3.9	3.9					
	Vol				3.9	3.9	3.9	3.9	3.9					
	Max				3.9	3.9	3.9	3.9	3.9					
NP_REDOX_TR	Min						7.6	7.6	7.6	7.6	7.6			
	Vol						7.6	7.6	7.6	7.6	7.6			
	Max						7.6	7.6	7.6	7.6	7.6			
NP_SITE_SUP_TR	Min								.9	.9	.9	.9	.9	
	Vol								.9	.9	.9	.9	.9	
	Max								.9	.9	.9	.9	.9	
NP_T_PLANT_TR	Min										1.5	1.5	1.5	1.5
	Vol										1.5	1.5	1.5	1.5
	Max										1.5	1.5	1.5	1.5
NP_U_PLANT_TR	Min												.3	.3
	Vol												.3	.3
	Max												.3	.3

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	4	4	12	12	12	9	10	2	3	2
	Vol	0	0	0	4	4	12	12	12	9	10	2	3	2
	Max	0	0	0	4	4	12	12	12	9	10	2	3	2

Offsite

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
AMES	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

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Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min	1	1	1.4	1.4	1.4								
	Vol	1	1	1.4	1.4	1.4								
	Max	1	1	1.4	1.4	1.4								
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min	1												
	Vol	1												
	Max	1												
NP_U_PLANT_TR	Min			.3										
	Vol			.3										
	Max			.3										

Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	3	2	2	1	1								
	Vol	3	2	2	1	1								
	Max	3	2	2	1	1								

Offsite

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
AMES	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Offsite

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
AMES	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

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Non-Programmatic

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
NP_300_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Offsite

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
AMES	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	18		.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	35		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	70		2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	18		1	1	1	1	1	1	1	1	1	1	1
	Vol	35		1	1	1	1	1	1	1	1	1	1	1
	Max	70		2	2	2	2	2	2	2	2	2	2	2

WHC

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_HLVP	Min	513												
	Vol	1,084												
	Max	2,168												
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	513												
	Vol	1,084												
	Max	2,168												

Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	966		10	19	26	23	20	7	11	9	4	5	10
	Vol	1,843		20	37	52	45	40	27	41	27	14	11	19
	Max	3,510		40	74	103	90	80	54	82	54	29	21	38

Appendix E: Annual Waste Class, Waste Generator Volumes

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Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	1	1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2	2	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_HLVP	Min				29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
	Vol			58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
	Max			117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min			0	29	29	29	29	29	29	29	29	29	29
	Vol			59	59	59	59	59	59	59	59	59	59	59
	Max			117	117	117	117	117	117	117	117	117	117	117

<i>Waste class total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	6	1	1	31	51	49	49	49	49	31	30	30	30
	Vol	11	2	61	61	84	79	79	79	79	62	60	60	60
	Max	22	4	122	122	148	139	139	139	139	125	120	120	120

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Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5		
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.		
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.		

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	1	1	1	1	1	1	1	1	1	1	1		
	Vol	1	1	1	1	1	1	1	1	1	1	1		
	Max	2	2	2	2	2	2	2	2	2	2	2		

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_HLVP	Min	29.3	29.3	29.3	29.3	29.3	29.3	22.	14.7	7.3				
	Vol	58.6	58.6	58.6	58.6	58.6	58.6	44.	29.3	14.7				
	Max	117.2	117.2	117.2	117.2	117.2	117.2	87.9	58.6	29.3				

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	29	29	29	29	29	29	22	15	7				
	Vol	59	59	59	59	59	59	44	29	15				
	Max	117	117	117	117	117	117	88	59	29				

<i>Waste class total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	30	31	31	35	35	60	52	46	35	29	3	3	2
	Vol	60	62	62	66	66	107	93	79	60	47	4	3	2
	Max	120	125	125	129	129	203	174	145	112	84	5	3	2

Appendix E: Annual Waste Class, Waste Generator Volumes

CH_TRUM														
Pacific Northwest National Laboratory														
Abbreviation	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	
PNNL	Min													
	Vol													
	Max													
Program total	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	
	Min													
	Vol													
	Max													
TWRS														
Abbreviation	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	
WHC_HLVP	Min													
	Vol													
	Max													
Program total	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	
	Min													
	Vol													
	Max													
Waste class total														
	Min	4	2	2	2	2	0	0	0	0	0	0	0	0
	Vol	4	2	2	2	2	0	0	0	0	0	0	0	0
	Max	4	2	2	2	2	1	1	1	1	1	1	1	1

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

CH_TRUM

Pacific Northwest National Laboratory

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
PNNL	Min													
	Vol													
	Max													
<i>Program total</i>		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_HLVP	Min													
	Vol													
	Max													
<i>Program total</i>		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

<i>Waste class total</i>		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

CH TRUM

Pacific Northwest National Laboratory

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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PNNL	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

TWRS

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
--------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

WHC_HLVP	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------	------	------	------	------	------	------	------	------	------	------	------	------	-------

Min													
Vol													
Max													

Waste class total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
Min	0	0	0	0	0	0	0	0	0	0	0	0	
Vol	0	0	0	0	0	0	0	0	0	0	0	0	
Max	1	1	1	1	1	1	1	1	1	1	1	1	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_TRUM

Pacific Northwest National Laboratory

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
PNNL	Min	88		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Vol	175		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	350		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	88		3	3	3	3	3	3	3	3	3	3	3
	Vol	175		5	5	5	5	5	5	5	5	5	5	5
	Max	350		10	10	10	10	10	10	10	10	10	10	10

Solid Waste

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_T_PLANT	Min													
	Vol	28			7.1	7.1	7.1	7.1						
	Max	57			14.2	14.2	14.2	14.2						
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0			0	0	0	0						
	Vol	28			7	7	7	7						
	Max	57			14	14	14	14						

TWRS

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_DST_RET	Min	127												
	Vol	253												
	Max	506												
WHC_HLVP	Min	491												
	Vol	1,038												
	Max	2,076												
WHC_SST_LLE	Min	6,166						41.4	46.4	55.8	62.3	131.5	124.7	139.9
	Vol	10,277						69.	77.4	93.	103.9	219.2	207.9	233.1
	Max	14,387						96.6	108.4	130.2	145.5	306.9	291.1	326.3
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	6,783						41	46	56	62	132	125	140
	Vol	11,567						69	77	93	104	219	208	233
	Max	16,969						97	108	130	145	307	291	326

Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	6,871		3	3	3	3	44	49	58	65	134	127	142
	Vol	11,771		5	12	12	12	81	82	98	109	224	213	238
	Max	17,376		10	24	24	24	121	118	140	155	317	301	336

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_TRUM

Pacific Northwest National Laboratory

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
PNNL	Min	3	3	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Vol	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	10	10	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	3	3	3	3	3	3	3	3	3	3	3	3	3
	Vol	5	5	5	5	5	5	5	5	5	5	5	5	5
	Max	10	10	10	10	10	10	10	10	10	10	10	10	10

Solid Waste

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_T_PLANT	Min													
	Vol													
	Max													
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_DST_RET	Min				115.4						11.2			
	Vol				230.8						22.3			
	Max				461.6						44.6			
WHC_HLVP	Min				28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
	Vol			56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
	Max			112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
WHC_SST_LLE	Min	168	160	188.8	207.8	291.4	319.8	372.1	436.3	497.	530.3	540.1	173.5	200.2
	Vol	280	266	314.6	346.4	485.6	533.	620.1	727.2	828.4	883.9	900.1	289.1	333.7
	Max	392	372	440.4	485.	679.8	746.2	868.11	1,018.11	1,159.81	1,237.51	1,260.1	404.7	467.2
<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	168	160	189	351	319	348	400	464	525	570	568	202	228
	Vol	280	266	371	633	542	589	676	783	885	962	956	345	390
	Max	392	372	553	1,059	792	858	980	1,130	1,272	1,394	1,372	517	579

Waste class total

	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Min	171	162	191	354	322	350	403	467	528	572	571	204	231
Vol	285	271	376	638	547	594	681	788	890	967	961	350	395
Max	402	382	563	1,069	802	868	990	1,140	1,282	1,404	1,382	527	589

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RH_TRUM

Pacific Northwest National Laboratory

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PNNL	Min	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.		
	Max	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.		
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	3	3	3	3	3	3	3	3	3	3	3		
	Vol	5	5	5	5	5	5	5	5	5	5	5		
	Max	10	10	10	10	10	10	10	10	10	10	10		

Solid Waste

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_T_PLANT	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_HLVP	Min	28.1	28.1	28.1	28.1	28.1	28.1	21.	14.	7.				
	Vol	56.1	56.1	56.1	56.1	56.1	56.1	42.1	28.1	14.				
	Max	112.2	112.2	112.2	112.2	112.2	112.2	84.2	56.1	28.1				
WHC_SST_LLE	Min	231.9	278.9	322.7	322.7	322.7								
	Vol	386.5	464.8	537.8	537.8	537.8								
	Max	541.1	650.7	752.9	752.9	752.9								
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	260	307	351	351	351	28	21	14	7				
	Vol	443	521	594	594	594	56	42	28	14				
	Max	653	763	865	865	865	112	84	56	28				

Waste class total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	262	309	353	353	353	31	24	17	10	3	3		
	Vol	448	526	599	599	599	61	47	33	19	5	5		
	Max	663	773	875	875	875	122	94	66	38	10	10		

Appendix E: Annual Waste Class, Waste Generator Volumes

RH_TRUM

Pacific Northwest National Laboratory

Abbreviation	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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PNNL	Min												
	Vol												
	Max												

Program total	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min	
Vol	
Max	

Solid Waste

Abbreviation	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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WHC_T_PLANT	Min												
	Vol												
	Max												

Program total	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
----------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

Min	
Vol	
Max	

TWRS

Abbreviation	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
--------------	------	------	------	------	------	------	------	------	------	------	------	------	------

WHC_DST_RET	Min												
	Vol												
	Max												

WHC_HLVP	Min												
	Vol												
	Max												

WHC_SST_LLE	Min												
	Vol												
	Max												

Program total	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
----------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

Min	
Vol	
Max	

Waste class total	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
--------------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

Min	
Vol	
Max	

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RH_TRUM

Pacific Northwest National Laboratory

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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PNNL	Min												
	Vol												
	Max												

Program total	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
----------------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

Solid Waste

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
--------------	------	------	------	------	------	------	------	------	------	------	------	------	------

WHC_T_PLANT	Min												
	Vol												
	Max												

Program total	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
----------------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

TWRS

Abbreviation	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
--------------	------	------	------	------	------	------	------	------	------	------	------	------	------

WHC_DST_RET	Min												
	Vol												
	Max												

WHC_HLVP	Min												
	Vol												
	Max												

WHC_SST_LLE	Min												
	Vol												
	Max												

Program total	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
----------------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

Waste class total	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
--------------------------	------	------	------	------	------	------	------	------	------	------	------	------	------

Min													
Vol													
Max													

RH_TRUM

Pacific Northwest National Laboratory

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
PNNL	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Solid Waste

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_T_PLANT	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_DST_RET	Min													
	Vol													
	Max													
WHC_HLVP	Min													
	Vol													
	Max													
WHC_SST_LLE	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

Analytical Services

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_ANALYT_LAB	Min	1,581		25.6	24.8	24.8	24.8	24.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	1,976		32.	31.	31.	31.	31.	26.	26.	26.	26.	26.	26.
	Max	2,371		38.4	37.2	37.2	37.2	37.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	225		3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	300		4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	375		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,806		29	28	28	28	28	24	24	24	24	24	24
	Vol	2,276		36	35	35	35	35	30	30	30	30	30	30
	Max	2,746		43	42	42	42	42	36	36	36	36	36	36

Facility Transitions

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_FFTF	Min	18		10.	1.	1.5	2.5	2.	1.					
	Vol	36		20.	2.	3.	5.	4.	2.					
	Max	43		27.4	2.	3.	5.	4.	2.					
WHC_FUEL_TRANS	Min	2		1.	.6									
	Vol	2		1.	.6									
	Max	2		1.	.6									
WHC_LEGACY	Min	8		.5	.5	1.	3.3	2.	.5					
	Vol	8		.5	.5	1.	3.3	2.	.5					
	Max	8		.5	.5	1.	3.3	2.	.5					
WHC_PFP	Min	359		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	Vol	895		45.	45.	45.	45.	45.	45.	45.	45.	45.	45.	45.
	Max	9,955		90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
WHC_PUREX	Min	5		2.4	2.1									
	Vol	9		4.8	4.3									
	Max	14		7.2	6.4									
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	391		36	27	25	28	27	24	23	23	23	23	23
	Vol	949		71	52	49	53	51	48	45	45	45	45	45
	Max	10,021		126	99	94	98	96	93	90	90	90	90	90

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

Analytical Services

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_ANALYT_LAB	Min	21	21	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26	26	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31	31	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	3	3	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4	4	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	24	24	24	24	24	24	24	24	24	24	24	24	24
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	36	36	36	36	36	36	36	36	36	36	36	36	36

Facility Transitions

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min	23												
	Vol	45												
	Max	90												
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	23												
	Vol	45												
	Max	90												

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

Analytical Services

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_ANALYT_LAB	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	24	24	24	24	24	24	24	24	24	24	24	24	24
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	36	36	36	36	36	36	36	36	36	36	36	36	36

Facility Transitions

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_FTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min					11.3	11.3	11.3	11.3	11.3	6.5	6.5	6.5	
	Vol					45.	45.	45.	45.	45.	26.	26.	26.	
	Max					1,125.	1,125.	1,125.	1,125.	1,125.	650.	650.	650.	
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min					11	11	11	11	11	7	7	7	
	Vol					45	45	45	45	45	26	26	26	
	Max					1,125	1,125	1,125	1,125	1,125	650	650	650	

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

Analytical Services

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_ANALYT_LAB	Min	21	21	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26	26	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31	31	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	3	3	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4	4	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	24	24	24	24	24	24	24	24	24	24	24	24	24
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	36	36	36	36	36	36	36	36	36	36	36	36	36

Facility Transitions

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min	7	7											
	Vol	26	26											
	Max	650	650											
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	7	7											
	Vol	26	26											
	Max	650	650											

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Analytical Services

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_ANALYT_LAB	Min	21	21	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26	26	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31	31	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
WHC_WSCF	Min	3	3	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4	4	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	24	24	24	24	24	24	24	24	24	24	24	24	24
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	30
	Max	36	36	36	36	36	36	36	36	36	36	36	36	36

Facility Transitions

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

HAZ

Analytical Services

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_ANALYT_LAB	Min	21	21	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	
	Vol	26	26	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	
	Max	31	31	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	
WHC_WSCF	Min	3	3	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	
	Vol	4	4	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	
	Max	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	24	24	24	24	24	24	24	24	24	24	24	24	
	Vol	30	30	30	30	30	30	30	30	30	30	30	30	
	Max	36	36	36	36	36	36	36	36	36	36	36	36	

Facility Transitions

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_FFTF	Min													
	Vol													
	Max													
WHC_FUEL_TRANS	Min													
	Vol													
	Max													
WHC_LEGACY	Min													
	Vol													
	Max													
WHC_PFP	Min													
	Vol													
	Max													
WHC_PUREX	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

HAZ (BY-60)

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
KHC_100	Min													
	Vol	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
KHC_200_PWR	Min													
	Vol	50		50.										
	Max	50		50.										
KHC_300_PWR	Min	50		50.										
	Vol	50		50.										
	Max	100		100.										
KHC_ELEC_UTIL	Min													
	Vol	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
KHC_FLEET_MAIN	Min	70		2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	Vol	140		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	Max	281		9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
KHC_GAS_NORTH	Min													
	Vol	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
KHC_GAS_SOUTH	Min	25		.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	49		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Max	74		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
KHC_TRANSPORT	Min	16		.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	31		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	62		2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	160		54	4	4	4	4	4	4	4	4	4	4
	Vol	4,821		257	157	157	157	157	157	157	157	157	157	157
	Max	5,067		314	164	164	164	164	164	164	164	164	164	164

Liquid Effluent

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_200 ETF	Min	2		1.9										
	Vol	189		3.7	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	191		5.6	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2		2	0	0	0	0	0	0	0	0	0	0
	Vol	189		4	5	5	5	5	5	5	5	5	5	5
	Max	191		6	5	5	5	5	5	5	5	5	5	5

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

Landlord (EM-60)

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
KHC_100	Min													
	Vol	50	50	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	50	50	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
KHC_200_PWR	Min													
	Vol													
	Max													
KHC_300_PWR	Min													
	Vol													
	Max													
KHC_ELEC_UTIL	Min													
	Vol	50	50	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	50	50	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
KHC_FLEET_MAIN	Min	2	2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	Vol	5	5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	Max	9	9	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
KHC_GAS_NORTH	Min													
	Vol	50	50	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	50	50	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
KHC_GAS_SOUTH	Min	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	2	2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Max	2	2	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
KHC_TRANSPORT	Min	1	1	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1	1	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2	2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	4	4	4	4	4	4	4	4	4	4	4	4	4
	Vol	157	157	157	157	157	157	157	157	157	157	157	157	157
	Max	164	164	164	164	164	164	164	164	164	164	164	164	164

Liquid Effluent

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_200 ETF	Min													
	Vol	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	5	5	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	5	5	5	5	5	5	5	5	5	5	5	5	5
	Max	5	5	5	5	5	5	5	5	5	5	5	5	5

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HAZ

Landlord (EM-60)

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
KHC_100	Min													
	Vol	50.	50.	50.	50.	50.	50.							
	Max	50.	50.	50.	50.	50.	50.							
KHC_200_PWR	Min													
	Vol													
	Max													
KHC_300_PWR	Min													
	Vol													
	Max													
KHC_ELEC_UTIL	Min													
	Vol	50.	50.	50.	50.	50.	50.							
	Max	50.	50.	50.	50.	50.	50.							
KHC_FLEET_MAIN	Min	2.3	2.3	2.3	2.3	2.3	2.3							
	Vol	4.7	4.7	4.7	4.7	4.7	4.7							
	Max	9.4	9.4	9.4	9.4	9.4	9.4							
KHC_GAS_NORTH	Min													
	Vol	50.	50.	50.	50.	50.	50.							
	Max	50.	50.	50.	50.	50.	50.							
KHC_GAS_SOUTH	Min	.8	.8	.8	.8	.8	.8							
	Vol	1.6	1.6	1.6	1.6	1.6	1.6							
	Max	2.5	2.5	2.5	2.5	2.5	2.5							
KHC_TRANSPORT	Min	.5	.5	.5	.5	.5	.5							
	Vol	1.	1.	1.	1.	1.	1.							
	Max	2.1	2.1	2.1	2.1	2.1	2.1							
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	4	4	4	4	4	4							
	Vol	157	157	157	157	157	157							
	Max	164	164	164	164	164	164							

Liquid Effluent

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_200 ETF	Min													
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	5	5	5	5	5	5	5	5	5	5	5	5	5
	Max	5	5	5	5	5	5	5	5	5	5	5	5	5

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

Landlord (EM-60)

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
KHC_100	Min													
	Vol													
	Max													
KHC_200_PWR	Min													
	Vol													
	Max													
KHC_300_PWR	Min													
	Vol													
	Max													
KHC_ELEC_UTIL	Min													
	Vol													
	Max													
KHC_FLEET_MAIN	Min													
	Vol													
	Max													
KHC_GAS_NORTH	Min													
	Vol													
	Max													
KHC_GAS_SOUTH	Min													
	Vol													
	Max													
KHC_TRANSPORT	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_200 ETF	Min													
	Vol	5												
	Max	5												
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0												
	Vol	5												
	Max	5												

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Landlord (EM-60)

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
KHC_100	Min													
	Vol													
	Max													
KHC_200_PWR	Min													
	Vol													
	Max													
KHC_300_PWR	Min													
	Vol													
	Max													
KHC_ELEC_UTIL	Min													
	Vol													
	Max													
KHC_FLEET_MAIN	Min													
	Vol													
	Max													
KHC_GAS_NORTH	Min													
	Vol													
	Max													
KHC_GAS_SOUTH	Min													
	Vol													
	Max													
KHC_TRANSPORT	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_200 ETF	Min													
	Vol													
	Max													
Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

Landlord (EM-60)

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
KHC_100	Min													
	Vol													
	Max													
KHC_200_PWR	Min													
	Vol													
	Max													
KHC_300_PWR	Min													
	Vol													
	Max													
KHC_ELEC_UTIL	Min													
	Vol													
	Max													
KHC_FLEET_MAIN	Min													
	Vol													
	Max													
KHC_GAS_NORTH	Min													
	Vol													
	Max													
KHC_GAS_SOUTH	Min													
	Vol													
	Max													
KHC_TRANSPORT	Min													
	Vol													
	Max													

Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Liquid Effluent

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_200 ETF	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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HAZ

Non-Programmatic

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
BCS_FED	Min	72		24.	24.	24.								
	Vol	96		32.	32.	32.								
	Max	120		40.	40.	40.								
BCS_RADIO_MAIN	Min													
	Vol			.3										
	Max			.3										
NP_1100_TR	Min	41												
	Vol	41												
	Max	41												
NP_300_TR	Min	176												
	Vol	176												
	Max	176												
NP_3000_TR	Min	11												
	Vol	11												
	Max	11												
NP_400_TR	Min	16												
	Vol	16												
	Max	16												
NP_600_TR	Min	22												
	Vol	22												
	Max	22												
NP_B_PLANT_TR	Min	12												
	Vol	12												
	Max	12												
NP_PFP_TR	Min	10												
	Vol	10												
	Max	10												
NP_PUREX_TR	Min	30												
	Vol	30												
	Max	30												
NP_REDOX_TR	Min	36												
	Vol	36												
	Max	36												
NP_SITE_SUP_TR	Min	183												
	Vol	183												
	Max	183												
NP_T_PLANT_TR	Min	35												
	Vol	35												
	Max	35												
NP_U_PLANT_TR	Min	5												
	Vol	5												
	Max	5												
WHC_PROCUREMENT	Min	788		30.5	30.5	30.5	30.5	30.	25.5	25.5	25.5	25.5	25.5	25.5
	Vol	1,576		61.	61.	61.	61.	59.9	50.9	50.9	50.9	50.9	50.9	50.9
	Max	2,313		122.	122.	122.	122.	119.8	101.8	101.8	101.8	101.8	101.8	101.8

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

Non-Programmatic

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
BCS_FED	Min													
	Vol													
	Max													
BCS_RADIO_MAIN	Min													
	Vol													
	Max													
NP_1100_TR	Min							8.2	8.2	8.2	8.2	8.2		
	Vol							8.2	8.2	8.2	8.2	8.2		
	Max							8.2	8.2	8.2	8.2	8.2		
NP_300_TR	Min					35.1	35.1	35.1	35.1	35.1				
	Vol					35.1	35.1	35.1	35.1	35.1				
	Max					35.1	35.1	35.1	35.1	35.1				
NP_3000_TR	Min											2.2	2.2	2.2
	Vol											2.2	2.2	2.2
	Max											2.2	2.2	2.2
NP_400_TR	Min													3.3
	Vol													3.3
	Max													3.3
NP_600_TR	Min									4.3	4.3	4.3	4.3	4.3
	Vol									4.3	4.3	4.3	4.3	4.3
	Max									4.3	4.3	4.3	4.3	4.3
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
WHC_PROCUREMENT	Min	25	25	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
	Vol	51	51	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
	Max	76	76	76.3	76.3	76.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

Non-Programmatic

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
BCS_FED	Min													
	Vol													
	Max													
BCS_RADIO_MAIN	Min													
	Vol													
	Max													
NP_1100_TR	Min													
	Vol													
	Max													
NP_300_TR	Min													
	Vol													
	Max													
NP_3000_TR	Min	2.2	2.2											
	Vol	2.2	2.2											
	Max	2.2	2.2											
NP_400_TR	Min	3.3	3.3	3.3	3.3									
	Vol	3.3	3.3	3.3	3.3									
	Max	3.3	3.3	3.3	3.3									
NP_600_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min		2.3	2.3	2.3	2.3	2.3							
	Vol		2.3	2.3	2.3	2.3	2.3							
	Max		2.3	2.3	2.3	2.3	2.3							
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min				6.	6.	6.	6.	6.					
	Vol				6.	6.	6.	6.	6.					
	Max				6.	6.	6.	6.	6.					
NP_REDOX_TR	Min						7.2	7.2	7.2	7.2	7.2			
	Vol						7.2	7.2	7.2	7.2	7.2			
	Max						7.2	7.2	7.2	7.2	7.2			
NP_SITE_SUP_TR	Min								36.6	36.6	36.6	36.6	36.6	
	Vol								36.6	36.6	36.6	36.6	36.6	
	Max								36.6	36.6	36.6	36.6	36.6	
NP_T_PLANT_TR	Min										7.	7.	7.	7.
	Vol										7.	7.	7.	7.
	Max										7.	7.	7.	7.
NP_U_PLANT_TR	Min												1.	1.
	Vol												1.	1.
	Max												1.	1.
WHC_PROCUREMENT	Min	25.5	25.5	25.5	25.5	25.5	25.5							
	Vol	50.9	50.9	50.9	50.9	50.9	50.9							
	Max	50.9	50.9	50.9	50.9	50.9	50.9							

HAZ

Non-Programmatic

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
BCS_FED	Min													
	Vol													
	Max													
BCS_RADIO_MAIN	Min													
	Vol													
	Max													
NP_1100_TR	Min													
	Vol													
	Max													
NP_300_TR	Min													
	Vol													
	Max													
NP_3000_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_600_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min	2	2	2.1	2.1	2.1								
	Vol	2	2	2.1	2.1	2.1								
	Max	2	2	2.1	2.1	2.1								
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min	7												
	Vol	7												
	Max	7												
NP_U_PLANT_TR	Min	1	1	1.										
	Vol	1	1	1.										
	Max	1	1	1.										
WHC_PROCURMENT	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

Non-Programmatic

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
BCS_FED	Min													
	Vol													
	Max													
BCS_RADIO_MAIN	Min													
	Vol													
	Max													
NP_1100_TR	Min													
	Vol													
	Max													
NP_300_TR	Min													
	Vol													
	Max													
NP_3000_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_600_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
WHC_PROCUREMENT	Min													
	Vol													
	Max													

HAZ

Non-Programmatic

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
BCS_FED	Min													
	Vol													
	Max													
BCS_RADIO_MAIN	Min													
	Vol													
	Max													
NP_1100_TR	Min													
	Vol													
	Max													
NP_300_TR	Min													
	Vol													
	Max													
NP_3000_TR	Min													
	Vol													
	Max													
NP_400_TR	Min													
	Vol													
	Max													
NP_600_TR	Min													
	Vol													
	Max													
NP_B_PLANT_TR	Min													
	Vol													
	Max													
NP_PFP_TR	Min													
	Vol													
	Max													
NP_PUREX_TR	Min													
	Vol													
	Max													
NP_REDOX_TR	Min													
	Vol													
	Max													
NP_SITE_SUP_TR	Min													
	Vol													
	Max													
NP_T_PLANT_TR	Min													
	Vol													
	Max													
NP_U_PLANT_TR	Min													
	Vol													
	Max													
WHC_PROCUREMENT	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,437		55	55	55	31	30	25	25	25	25	25	25
	Vol	2,250		93	93	93	61	60	51	51	51	51	51	51
	Max	3,010		162	162	162	122	120	102	102	102	102	102	102

RCRA Monitoring

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_WELL_DRL	Min	11,250		150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	22,500		300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	28,125		375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	11,250		150	150	150	150	150	150	150	150	150	150	150
	Vol	22,500		300	300	300	300	300	300	300	300	300	300	300
	Max	28,125		375	375	375	375	375	375	375	375	375	375	375

Solid Waste

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_T_PLANT	Min	21		.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
	Vol	42		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	Max	63		2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	21		1	1	1	1	1	1	1	1	1	1	1
	Vol	42		1	1	1	1	1	1	1	1	1	1	1
	Max	63		2	2	2	2	2	2	2	2	2	2	2

Open Waterways

Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_K_OPER	Min	10		2.	2.	2.	2.	2.	.5					
	Vol	14		2.6	2.6	2.6	2.6	2.6	.7					
	Max	17		3.3	3.3	3.3	3.3	3.3	.8					
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	10		2	2	2	2	2	0					
	Vol	14		3	3	3	3	3	1					
	Max	17		3	3	3	3	3	1					

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	25	25	25	25	61	61	69	69	73	38	40	32	35
	Vol	51	51	51	51	86	86	94	94	99	63	66	57	61
	Max	76	76	76	76	111	86	94	94	99	63	66	57	61

RCRA Monitoring

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_WELL_DRL	Min	150	150	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300
	Max	375	375	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375

<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	150	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	375	375	375	375	375	375	375	375	375	375	375	375	375

Solid Waste

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_T_PLANT	Min	1	1	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	7
	Vol	1	1	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	14
	Max	2	2	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	21

<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

Spent Nuclear Fuel

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_K_OPER	Min													
	Vol													
	Max													

<i>Program total</i>		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	31	33	31	37	34	41	13	50	44	51	44	45	8
	Vol	56	59	56	63	59	67	13	50	44	51	44	45	8
	Max	56	59	56	63	59	67	13	50	44	51	44	45	8

RCRA Monitoring

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_WELL_DRL	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	150	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	375	375	375	375	375	375	375	375	375	375	375	375	375

Solid Waste

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_T_PLANT	Min	.7	.7	.7	.7	.7	.7							
	Vol	1.4	1.4	1.4	1.4	1.4	1.4							
	Max	2.1	2.1	2.1	2.1	2.1	2.1							
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	1	1	1	1	1	1							
	Vol	1	1	1	1	1	1							
	Max	2	2	2	2	2	2							

Spent Nuclear Fuel

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	10	3	3	2	2								
	Vol	10	3	3	2	2								
	Max	10	3	3	2	2								

RCRA Monitoring

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_WELL_DRL	Min	150	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	375	375	375	375	375	375	375	375	375	375	375	375	375
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	150	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	375	375	375	375	375	375	375	375	375	375	375	375	375

Solid Waste

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_T_PLANT	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_K_OPER	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min
Vol
Max

RCRA Monitoring

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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WHC_WELL_DRL	Min	150	150	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	375	375	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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	Min	150	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	375	375	375	375	375	375	375	375	375	375	375	375	375

Solid Waste

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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WHC_T_PLANT	Min													
	Vol													
	Max													

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
----------------------	--	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

Min
Vol
Max

Spent Nuclear Fuel

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
---------------------	--	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------

WHC_K_OPER	Min													
	Vol													
	Max													

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Min
Vol
Max

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min

Vol

Max

RCRA Monitoring

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------

WHC_WELL_DRL	Min	150	150	150.	150.	150.	150.	150.	150.	150.	150.	150.	
	Vol	300	300	300.	300.	300.	300.	300.	300.	300.	300.	300.	
	Max	375	375	375.	375.	375.	375.	375.	375.	375.	375.	375.	

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
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Min	150	150	150	150	150	150	150	150	150	150	150	150	
Vol	300	300	300	300	300	300	300	300	300	300	300	300	
Max	375	375	375	375	375	375	375	375	375	375	375	375	

Solid Waste

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------

WHC_T_PLANT	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
----------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------

Min

Vol

Max

Spent Nuclear Fuel

Abbreviation	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
---------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------

WHC_K_OPER	Min												
	Vol												
	Max												

Program total	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
----------------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--------------

Min

Vol

Max

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ														
TWRS														
Abbreviation		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
WHC_HLVP	Min	41												
	Vol	87												
	Max	174												
WHC_LLVP	Min	37												1.7
	Vol	76											3.4	3.4
	Max	153											6.8	6.8
WHC_PRETRT_TW	Min	18											.8	.8
	Vol	38										1.6	1.6	1.6
	Max	75										3.2	3.2	3.2
WHC_TF_OPER	Min	237		7.	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	Vol	592		17.4	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
	Max	1,183		34.8	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
Program total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	332		7	8	8	8	8	8	8	8	8	9	10
	Vol	793		17	20	20	20	20	20	20	20	21	25	25
	Max	1,585		35	40	40	40	40	40	40	40	43	50	50
Waste class total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	15,409		335	273	272	251	249	236	234	234	234	235	237
	Vol	33,833		783	667	663	635	632	613	609	609	611	614	614
	Max	50,826		1,066	893	887	851	847	817	814	814	817	824	824
Grand Total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	271,512	0	5,362	5,065	4,800	4,982	4,969	5,828	5,728	5,511	5,718	3,965	4,595
	Vol	488,243	229	9,881	9,631	9,464	9,394	11,348	11,124	10,350	9,550	9,989	8,022	8,508
	Max	785,923		14,817	15,638	14,955	14,903	16,477	16,991	16,714	15,625	16,196	13,857	14,681

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

TWRS

Abbreviation		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
WHC_HLVP	Min				2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	Vol			4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	Max			9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
WHC_LLVP	Min	2	2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	Vol	3	3	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	Max	7	7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
WHC_PRETRT_TW	Min	1	1	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	2	2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Max	3	3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
WHC_TF_OPER	Min	8	8	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	Vol	20	20	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
	Max	40	40	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
Program total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	10	10	10	13	13	13	13	13	13	13	13	13	13
	Vol	25	25	30	30	30	30	30	30	30	30	30	30	30
	Max	50	50	59	59	59	59	59	59	59	59	59	59	59

Waste class total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	237	214	214	216	252	252	260	260	264	229	231	223	226
	Vol	614	569	574	574	609	609	618	618	622	587	589	581	584
	Max	798	708	718	718	753	727	735	735	740	705	707	699	702

Grand Total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	4,801	4,648	4,440	5,426	6,258	6,318	6,393	6,736	7,096	6,958	6,947	5,096	5,107
	Vol	8,853	8,423	9,868	10,097	11,158	11,168	11,180	11,723	12,261	12,417	12,344	9,301	9,292
	Max	15,059	13,981	17,034	17,417	19,070	18,384	18,152	18,878	19,615	20,468	19,946	15,540	15,472

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

TWRS

Abbreviation		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WHC_HLVP	Min	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.2	.6				
	Vol	4.7	4.7	4.7	4.7	4.7	4.7	3.5	2.4	1.2				
	Max	9.4	9.4	9.4	9.4	9.4	9.4	7.1	4.7	2.4				
WHC_LLVP	Min	1.7	1.7	1.7	1.7	1.7	1.7	1.3	.9	.4				
	Vol	3.4	3.4	3.4	3.4	3.4	3.4	2.6	1.7	.9				
	Max	6.8	6.8	6.8	6.8	6.8	6.8	5.1	3.4	1.7				
WHC_PRETRT_TW	Min	.8	.8	.8	.8	.8	.8	.6	.4	.2				
	Vol	1.6	1.6	1.6	1.6	1.6	1.6	1.2	.8	.4				
	Max	3.2	3.2	3.2	3.2	3.2	3.2	2.4	1.6	.8				
WHC_TF_OPER	Min	7.9	7.9	7.9	7.9	7.9	7.9							
	Vol	19.8	19.8	19.8	19.8	19.8	19.8							
	Max	39.6	39.6	39.6	39.6	39.6	39.6							

<i>Program total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	13	13	13	13	13	13	4	2	1				
	Vol	30	30	30	30	30	30	7	5	2				
	Max	59	59	59	59	59	59	15	10	5				

<i>Waste class total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	222	224	222	228	225	243	202	237	230	236	224	225	188
	Vol	580	582	580	586	583	635	401	435	426	431	405	406	369
	Max	698	700	698	704	700	1,833	1,569	1,601	1,590	1,592	1,110	1,111	1,074

<i>Grand Total</i>		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	5,273	6,226	5,975	5,891	5,864	4,999	3,875	3,521	3,122	2,764	2,373	2,361	2,306
	Vol	9,368	10,591	10,477	10,394	10,391	8,944	7,167	6,497	5,776	5,028	4,112	4,067	4,013
	Max	15,430	17,348	17,356	17,292	17,291	17,692	14,295	12,987	11,628	10,172	6,678	6,588	6,533

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

TWRS

Abbreviation		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
Program total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Waste class total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	190	183	177	176	176	174	174	174	174	174	174	174	174
	Vol	371	359	333	332	332	330	330	330	330	330	330	330	330
	Max	1,076	1,064	414	413	413	411	411	411	411	411	411	411	411

Grand Total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	2,349	2,306	2,249	2,239	2,239	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,376
	Vol	4,059	3,996	3,866	3,859	3,855	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,996
	Max	6,579	6,504	5,634	5,627	5,624	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,764

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

HAZ

TWRS

Abbreviation		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													

Program total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Waste class total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	174	174	174	174	174	174	174	174	174	174	174	174	174
	Vol	330	330	330	330	330	330	330	330	330	330	330	330	330
	Max	411	411	411	411	411	411	411	411	411	411	411	411	411

Grand Total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	2,376	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196
	Vol	3,993	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,816	3,813
	Max	5,761	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,584	5,581

Appendix E: Annual Waste Class, Waste Generator Volumes

HAZ

TWRS

Abbreviation		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
WHC_HLVP	Min													
	Vol													
	Max													
WHC_LLVP	Min													
	Vol													
	Max													
WHC_PRETRT_TW	Min													
	Vol													
	Max													
WHC_TF_OPER	Min													
	Vol													
	Max													
Program total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Waste class total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	174	174	174	174	174	174	174	174	174	174	174	174	
	Vol	330	330	330	330	330	330	330	330	330	330	330	330	
	Max	411	411	411	411	411	411	411	411	411	411	411	411	

Grand Total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	
	Vol	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,816	3,813	
	Max	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,584	5,581	

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F. ANNUAL WASTE GENERATOR, WASTE CLASS VOLUMES

Notes:

Volumes are in cubic meters.

Program and Grand Totals include LLW and Hazardous Waste. As a result, these totals will not equal totals found in Volume I.

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Analytical Services

WMC ANALYT LAB

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	20,445		363.2	324.8	321.6	321.6	321.6	285.6	285.6	285.6	285.6	285.6	285.6
	Vol	25,556		454.	406.	402.	402.	402.	357.	357.	357.	357.	357.	357.
	Max	30,667		544.8	487.2	482.4	482.4	482.4	428.4	428.4	428.4	428.4	428.4	428.4
CH_LLMW_I	Min	1,835		49.6	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
	Vol	2,294		62.	48.	48.	48.	48.	48.	48.	48.	48.	48.	48.
	Max	2,753		74.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
CH_TRUM	Min	23		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	23		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	45		.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
HAZ	Min	1,581		25.6	24.8	24.8	24.8	24.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	1,976		32.	31.	31.	31.	31.	26.	26.	26.	26.	26.	26.
	Max	2,371		38.4	37.2	37.2	37.2	37.2	31.2	31.2	31.2	31.2	31.2	31.2
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	23,883		439	388	385	385	385	345	345	345	345	345	345
	Vol	29,849		548	485	481	481	481	431	431	431	431	431	431
	Max	35,836		658	583	578	578	578	518	518	518	518	518	518

WMC ANALYT LAB

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	113		1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	150		2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	188		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CH_LLMW_I	Min	56		.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	75		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	94		1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
HAZ	Min	225		3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	300		4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	375		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	394		5	5	5	5	5	5	5	5	5	5	5
	Vol	525		7	7	7	7	7	7	7	7	7	7	7
	Max	656		9	9	9	9	9	9	9	9	9	9	9

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	24,277		444	394	390	390	390	350	350	350	350	350	350
	Vol	30,374		555	492	488	488	488	438	438	438	438	438	438
	Max	36,492		667	591	587	587	587	527	527	527	527	527	527

Appendix F: Annual Waste Generator, Waste Class Volumes

Analytical Services

WHC_ANALYT_LAB

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	285.6	285.6	285.6	285.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	357.	357.	357.	357.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	428.4	428.4	428.4	428.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
CH_LLMW_I	Min	38.4	38.4	38.4	38.4	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	48.	48.	48.	48.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	57.6	57.6	57.6	57.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
CH_TRUM	Min	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
HAZ	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	345	345	345	345	308	308	308	308	308	308	308	308	308
	Vol	431	431	431	431	384	384	384	384	384	384	384	384	384
	Max	518	518	518	518	461	461	461	461	461	461	461	461	461

WHC_WSCF

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CH_LLMW_I	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
HAZ	Min	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	7	7	7	7	7	7	7	7	7	7	7	7	7
	Max	9	9	9	9	9	9	9	9	9	9	9	9	9

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	350	350	350	350	313	313	313	313	313	313	313	313	313
	Vol	438	438	438	438	391	391	391	391	391	391	391	391	391
	Max	527	527	527	527	470	470	470	470	470	470	470	470	470

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Analytical Services

WHC_ANALYT_LAB

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
CH_LLMW_I	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
CH_TRUM	Min	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
HAZ	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	308	308	308	308	308	308	308	308	308	308	308	308	308
	Vol	384	384	384	384	384	384	384	384	384	384	384	384	384
	Max	461	461	461	461	461	461	461	461	461	461	461	461	461

WHC_WSCF

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CH_LLMW_I	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
HAZ	Min	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	7	7	7	7	7	7	7	7	7	7	7	7	7
	Max	9	9	9	9	9	9	9	9	9	9	9	9	9

Program		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	313	313	313	313	313	313	313	313	313	313	313	313	313
	Vol	391	391	391	391	391	391	391	391	391	391	391	391	391
	Max	470	470	470	470	470	470	470	470	470	470	470	470	470

Appendix F: Annual Waste Generator, Waste Class Volumes

Analytical Services

WHC_ANALYT_LAB

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
CH_LLMW_I	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
CH_TRUM	Min	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
HAZ	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	308	308	308	308	308	308	308	308	308	308	308	308	308
	Vol	384	384	384	384	384	384	384	384	384	384	384	384	384
	Max	461	461	461	461	461	461	461	461	461	461	461	461	461

WHC_WSCF

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CH_LLMW_I	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
HAZ	Min	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	7	7	7	7	7	7	7	7	7	7	7	7	7
	Max	9	9	9	9	9	9	9	9	9	9	9	9	9

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	313	313	313	313	313	313	313	313	313	313	313	313	313
	Vol	391	391	391	391	391	391	391	391	391	391	391	391	391
	Max	470	470	470	470	470	470	470	470	470	470	470	470	470

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Analytical Services

WHC_ANALYT_LAB

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
CH_LLMW_I	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
CH_TRUM	Min	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
HAZ	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	308	308	308	308	308	308	308	308	308	308	308	308	308
	Vol	384	384	384	384	384	384	384	384	384	384	384	384	384
	Max	461	461	461	461	461	461	461	461	461	461	461	461	461

WHC_WSCF

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CH_LLMW_I	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
HAZ	Min	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	7	7	7	7	7	7	7	7	7	7	7	7	7
	Max	9	9	9	9	9	9	9	9	9	9	9	9	9

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	313	313	313	313	313	313	313	313	313	313	313	313	313
	Vol	391	391	391	391	391	391	391	391	391	391	391	391	391
	Max	470	470	470	470	470	470	470	470	470	470	470	470	470

Appendix F: Annual Waste Generator, Waste Class Volumes

Analytical Services

WHC_ANALYT_LAB

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6	265.6
	Vol	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.	332.
	Max	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4	398.4
CH_LLMW_I	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
CH_TRUM	Min	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6	.6
HAZ	Min	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
	Vol	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.	26.
	Max	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	308	308	308	308	308	308	308	308	308	308	308	308
	Vol	384	384	384	384	384	384	384	384	384	384	384	384
	Max	461	461	461	461	461	461	461	461	461	461	461	461

WHC_WSCF

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
CH_LLMW_I	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
HAZ	Min	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.	3.
	Vol	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	7	7	7	7	7	7	7	7	7	7	7	7
	Max	9	9	9	9	9	9	9	9	9	9	9	9

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	313	313	313	313	313	313	313	313	313	313	313	313
	Vol	391	391	391	391	391	391	391	391	391	391	391	391
	Max	470	470	470	470	470	470	470	470	470	470	470	470

EM-40 (Environmental Restoration)

BHL SURPLS FAC

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	710		710.										
	Vol	710		710.										
	Max	710		710.										
CH_LLMW_I	Min	101		101.										
	Vol	101		101.										
	Max	101		101.										
CH_TRU	Min	1,519		3.	21.	20.	12.							
	Vol	1,519		3.	21.	20.	12.							
	Max	1,519		3.	21.	20.	12.							
RH_TRU	Min	360												
	Vol	360												
	Max	360												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,690		814	21	20	12							
	Vol	2,690		814	21	20	12							
	Max	2,690		814	21	20	12							

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,690		814	21	20	12							
	Vol	2,690		814	21	20	12							
	Max	2,690		814	21	20	12							

Appendix F: Annual Waste Generator, Waste Class Volumes

EM-40 (Environmental Restoration)

BHI_SURPLS_FAC

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

EM-40 (Environmental Restoration)

BHI_SURPLS_FAC

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min	514.	222.	185.	161.	275.	98.	8.						
	Vol	514.	222.	185.	161.	275.	98.	8.						
	Max	514.	222.	185.	161.	275.	98.	8.						
RH_TRU	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	514	222	185	161	275	98	8						
	Vol	514	222	185	161	275	98	8						
	Max	514	222	185	161	275	98	8						

Program		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	514	222	185	161	275	98	8						
	Vol	514	222	185	161	275	98	8						
	Max	514	222	185	161	275	98	8						

Appendix F: Annual Waste Generator, Waste Class Volumes

EM-40 (Environmental Restoration)

BHI_SURPLS_FAC

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													180
	Vol													180
	Max													180
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													180
	Vol													180
	Max													180

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													180
	Vol													180
	Max													180

EM-40 (Environmental Restoration)

BHI_SURPLS_FAC

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min	180.												
	Vol	180.												
	Max	180.												
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	180												
	Vol	180												
	Max	180												

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	180												
	Vol	180												
	Max	180												

EM-40 (Environmental Restoration)

BHI_SURPLS_FAC

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC B PLANT

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLMW_I	Min	640		71.5	71.5	223.3	273.5							
	Vol	3,363		95.4	95.4	297.8	364.7	125.5	125.5	125.5	125.5	125.5	125.5	125.5
	Max	5,957		104.9	104.9	327.6	401.2	250.9	250.9	250.9	250.9	250.9	250.9	250.9
RH_LLMW_III	Min	657		18.6	18.6	58.2	71.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5
	Vol	657		18.6	18.6	58.2	71.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5
	Max	657		18.6	18.6	58.2	71.3	24.5	24.5	24.5	24.5	24.5	24.5	24.5
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,297		90	90	282	345	25	25	25	25	25	25	25
	Vol	4,020		114	114	356	436	150	150	150	150	150	150	150
	Max	6,615		124	124	386	472	275	275	275	275	275	275	275

WHC FFTF

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	124		11.3	20.8	34.5	50.5	3.2	3.2					
	Vol	248		23.	41.6	69.1	101.1	6.4	6.4					
	Max	371		34.3	62.4	103.6	151.6	9.6	9.6					
CH_LLW_III	Min	11			2.	3.4	4.9	.3	.3					
	Vol	12		1.1	2.	3.4	4.9	.3	.3					
	Max	12		1.1	2.	3.4	4.9	.3	.3					
RH_LLW_III	Min	127		11.9	21.4	35.6	52.	3.3	3.3					
	Vol	127		11.9	21.4	35.6	52.	3.3	3.3					
	Max	127		11.9	21.4	35.6	52.	3.3	3.3					
CH_LLMW_I	Min	12			.2				11.5					
	Vol	23			.3				23.					
	Max	23			.5				23.					
CH_TRU	Min	2		1.3	.4									
	Vol	3		2.6	.8									
	Max	5		3.9	1.2									
CH_TRUM	Min	1		.4	.1									
	Vol	1		.4	.1									
	Max	1		.4	.1									
HAZ	Min	18		10.	1.	1.5	2.5	2.	1.					
	Vol	36		20.	2.	3.	5.	4.	2.					
	Max	43		27.4	2.	3.	5.	4.	2.					
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	294		35	46	75	110	9	19					
	Vol	450		59	68	111	163	14	35					
	Max	583		79	90	146	214	17	38					

Appendix F: Annual Waste Generator, Waste Class Volumes

Facility Transitions

WHC_B_PLANT

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_I	Min													
	Vol	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5	125.5
	Max	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9	250.9
RH_LLMW_III	Min	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
	Vol	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
	Max	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	25	25	25	25	25	25	25	25	25	25	25	25	25
	Vol	150	150	150	150	150	150	150	150	150	150	150	150	150
	Max	275	275	275	275	275	275	275	275	275	275	275	275	275

WHC_FFTF

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC_B_PLANT

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator														
	Min													
	Vol													
	Max													

WHC_FFTF

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator														
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Facility Transitions

WHC_B_PLANT

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

WHC_FFTF

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Facility Transitions

WHC_B_PLANT

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_FFTF

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Facility Transitions

WHC_B_PLANT

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

WHC_FFTF

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC FUEL TRANS

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	249		159.6	56.	33.2								
	Vol	249		159.6	56.	33.2								
	Max	249		159.6	56.	33.2								
CH_LLMW_I	Min	18		8.	.4	10.								
	Vol	18		8.	.4	10.								
	Max	18		8.	.4	10.								
HAZ	Min	2		1.	.6									
	Vol	2		1.	.6									
	Max	2		1.	.6									

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	269		169	57	43								
	Vol	269		169	57	43								
	Max	269		169	57	43								

WHC RECYCLING

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min				.1									
	Vol				.1									
	Max				.1									
HAZ	Min	8		.5	.5	1.	3.3	2.	.5					
	Vol	8		.5	.5	1.	3.3	2.	.5					
	Max	8		.5	.5	1.	3.3	2.	.5					

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	8		1	1	1	3	2	1					
	Vol	8		1	1	1	3	2	1					
	Max	8		1	1	1	3	2	1					

Facility Transitions

WHC_FUEL_TRANS

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

WHC_LEGACY

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC_FUEL_TRANS

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

WHC_LEGACY

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Facility Transitions

WHC_FUEL_TRANS

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

WHC_LEGACY

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Facility Transitions

WHC_FUEL_TRANS

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_LEGACY

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Facility Transitions

WHC_FUEL_TRANS

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

WHC_LEGACY

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC PFP

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	3,202		146.8	163.2	182.7	183.9	171.8	175.3	187.	157.8	139.	135.9	135.9
	Vol	6,540		293.6	326.4	365.5	367.8	343.6	350.6	374.1	315.5	278.	271.8	271.8
	Max	19,619		880.9	979.31	1,096.41	1,103.51	1,030.81	1,051.91	1,122.2	946.5	834.	815.3	815.3
CH_LLW_III	Min	917		41.2	45.8	51.3	51.6	48.2	49.2	52.5	44.2	39.	38.1	38.1
	Vol	1,834		82.4	91.6	102.5	103.2	96.4	98.4	104.9	88.5	78.	76.2	76.2
	Max	5,882		164.7	183.1	205.	206.4	192.8	196.7	209.9	177.	156.	152.5	152.5
CH_LLMW_I	Min	1,575		62.	63.	62.	67.8	62.	70.6	68.2	63.9	64.4	65.8	64.4
	Vol	3,150		124.	125.9	124.	135.5	124.	141.3	136.5	127.8	128.8	131.7	128.8
	Max	6,300		248.	251.8	248.	271.1	248.	282.6	273.	255.7	257.6	263.4	257.6
CH_LLMW_III	Min	2					1.1						1.3	
	Vol	127		5.	5.1	5.	5.5	5.	5.7	5.5	5.2	5.2	5.3	5.2
	Max	636		25.	25.4	25.	27.4	25.	28.5	27.6	25.8	26.	26.6	26.
CH_TRU	Min	630		27.4	59.1	66.6	72.6	63.9	42.8	65.6	42.6	43.	30.8	59.1
	Vol	3,471		109.5	236.3	332.8	290.2	255.4	171.2	262.4	170.3	86.	61.7	118.2
	Max	10,881		219.	472.7	665.6	580.4	510.9	342.3	524.8	340.6	172.	123.4	236.3
CH_TRUM	Min	237		8.3	17.8	25.1	21.9	19.3	6.5	9.9	7.7	3.2	4.7	8.9
	Vol	524		16.5	35.7	50.2	43.8	38.6	25.8	39.6	25.7	13.	9.3	17.8
	Max	1,048		33.	71.3	100.4	87.6	77.1	51.7	79.2	51.4	26.	18.6	35.7
HAZ	Min	359		22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5	22.5
	Vol	895		45.	45.	45.	45.	45.	45.	45.	45.	45.	45.	45.
	Max	9,955		90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Min		6,923		308	371	410	421	388	367	406	339	311	299	329
Vol		16,541		676	866	1,025	991	908	838	968	778	634	601	663
Max		54,320		1,661	2,074	2,431	2,366	2,175	2,044	2,327	1,887	1,562	1,490	1,613

Appendix F: Annual Waste Generator, Waste Class Volumes

Facility Transitions

WHC_PFP

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	67.4	20.3	20.3	20.3	94.1					67.2			
	Vol	269.4	40.6	40.6	40.6	188.2					134.3			
	Max	808.3	121.8	121.8	121.8	564.6					403.			
CH_LLW_III	Min	37.8	5.7	5.7	5.7	26.4					18.8			
	Vol	75.6	11.4	11.4	11.4	52.8					37.7			
	Max	151.2	22.8	22.8	57.	264.					188.4			
CH_LLMW_I	Min	62.	9.1	9.1	9.1	43.3					30.8			
	Vol	124.	18.3	18.3	18.3	86.5					61.5			
	Max	248.	36.5	36.5	36.5	173.					123.			
CH_LLMW_III	Min	.	.	.	.	.								
	Vol	5.	.7	.7	.7	3.5					2.5			
	Max	25.	3.7	3.7	3.7	17.5					12.4			
CH_TRU	Min	32.1	3.	3.	3.	15.2								
	Vol	64.3	6.1	6.1	6.1	30.4					15.6			
	Max	128.6	30.4	30.4	30.4	152.1					78.2			
CH_TRUM	Min	4.9	.5	.5	.5	2.3					1.2			
	Vol	9.7	.9	.9	.9	4.6					2.4			
	Max	19.4	1.8	1.8	1.8	9.2					4.7			
HAZ	Min	22.5												
	Vol	45.												
	Max	90.												

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	227	39	39	39	181					118			
	Vol	593	78	78	78	366					254			
	Max	1,470	217	217	251	1,180					810			

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Facility Transitions

WHC_PFP

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	67.2	67.2	67.2	67.2	173.	173.	173.	173.	173.				
	Vol	134.3	134.3	134.3	134.3	346.	346.	346.	346.	346.				
	Max	403.	403.	403.	403.	1,037.91	1,037.91	1,037.91	1,037.91	1,037.91				
CH_LLW_III	Min	18.8	18.8	18.8	18.8	48.5	48.5	48.5	48.5	48.5				
	Vol	37.7	37.7	37.7	37.7	97.	97.	97.	97.	97.				
	Max	188.4	188.4	188.4	188.4	485.2	485.2	485.2	485.2	485.2				
CH_LLMW_I	Min	30.8	30.8	30.8	30.8	64.9	64.9	64.9	64.9	64.9	50.	50.	50.	
	Vol	61.5	61.5	61.5	61.5	129.8	129.8	129.8	129.8	129.8	100.	100.	100.	
	Max	123.	123.	123.	123.	259.5	259.5	259.5	259.5	259.5	199.9	199.9	199.9	
CH_LLMW_III	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	2.5	2.5	2.5	2.5	5.2	5.2	5.2	5.2	5.2	4.	4.	4.	
	Max	12.4	12.4	12.4	12.4	26.2	26.2	26.2	26.2	26.2	20.2	20.2	20.2	
CH_TRU	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	15.6	15.6	15.6	15.6	237.2	237.2	237.2	237.2	237.2				
	Max	78.2	78.2	78.2	78.2	1,186.	1,186.	1,186.	1,186.	1,186.				
CH_TRUM	Min	1.2	1.2	1.2	1.2	17.9	17.9	17.9	17.9	17.9				
	Vol	2.4	2.4	2.4	2.4	35.8	35.8	35.8	35.8	35.8				
	Max	4.7	4.7	4.7	4.7	71.6	71.6	71.6	71.6	71.6				
HAZ	Min					11.3	11.3	11.3	11.3	11.3	6.5	6.5	6.5	
	Vol					45.	45.	45.	45.	45.	26.	26.	26.	
	Max					1,125.	1,125.	1,125.	1,125.	1,125.	650.	650.	650.	

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	118	118	118	118	316	316	316	316	316	316	56	56	56
	Vol	254	254	254	254	896	896	896	896	896	896	130	130	130
	Max	810	810	810	810	4,191	4,191	4,191	4,191	4,191	4,191	870	870	870

Facility Transitions

WHC_PFP

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min	50.	50.											
	Vol	100.	100.											
	Max	199.9	199.9											
CH_LLMW_III	Min	.	.											
	Vol	4.	4.											
	Max	20.2	20.2											
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min	6.5	6.5											
	Vol	26.	26.											
	Max	650.	650.											

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	56	56											
	Vol	130	130											
	Max	870	870											

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC_PFP

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Facility Transitions

WHC_PFP

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC_PUREX

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	294		97.5	196.5									
	Vol	588		195.	393.									
	Max	1,176		390.	786.									
CH_LLMW_I	Min	12		6.1	6.									
	Vol	24		12.2	12.									
	Max	48		24.4	24.									
CH_TRU	Min	5		4.8										
	Vol	10		9.6										
	Max	19		19.2										
CH_TRUM	Min	1		1.										
	Vol	2		2.1										
	Max	4		4.2										
HAZ	Min	5		2.4	2.1									
	Vol	9		4.8	4.3									
	Max	14		7.2	6.4									

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	316		112	205									
	Vol	633		224	409									
	Max	1,261		445	816									

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	9,107		714	770	811	879	423	411	430	363	336	324	353
	Vol	21,921		1,242	1,515	1,536	1,593	1,074	1,023	1,118	928	784	751	813
	Max	63,056		2,477	3,161	3,006	3,056	2,469	2,358	2,602	2,162	1,837	1,765	1,889

Facility Transitions

WHC_PUREX

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	251	63	63	63	206	25	25	25	25	142	25	25	25
	Vol	743	228	228	228	516	150	150	150	150	404	150	150	150
	Max	1,746	493	493	527	1,456	275	275	275	275	1,085	275	275	275

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC_PUREX

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Program		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		118	118	118	118	316	316	316	316	316	56	56	56
	Vol		254	254	254	254	896	896	896	896	896	130	130	130
	Max		810	810	810	810	4,191	4,191	4,191	4,191	4,191	870	870	870

Facility Transitions

WHC_PUREX

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	56	56											
	Vol	130	130											
	Max	870	870											

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Facility Transitions

WHC_PUREX

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Facility Transitions

WHC_PUREX

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KFC 100

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min													
	Vol	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0	0	0	0	0	0	0	0	0	0	0
	Vol	1,500		50	50	50	50	50	50	50	50	50	50	50
	Max	1,500		50	50	50	50	50	50	50	50	50	50	50

KFC 200 PWR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min													
	Vol	50		50.										
	Max	50		50.										
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0										
	Vol	50		50										
	Max	50		50										

KFC 400 PWT

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min	50		50.										
	Vol	50		50.										
	Max	100		100.										
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	50		50										
	Vol	50		50										
	Max	100		100										

Appendix F: Annual Waste Generator, Waste Class Volumes

Landlord (EM-60)

KHC_100

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	50	50	50	50	50	50	50	50	50	50	50	50	50
	Max	50	50	50	50	50	50	50	50	50	50	50	50	50

KHC_200_PWR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

KHC_300_PWR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KHC_100

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min	.	.											
	Vol	50.	50.	50.	50.	50.	50.							
	Max	50.	50.	50.	50.	50.	50.							
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0							
	Vol	50	50	50	50	50	50							
	Max	50	50	50	50	50	50							

KHC_200_PWR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

KHC_300_PWR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Landlord (EM-60)

KHC_100

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

KHC_200_PWR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

KHC_300_PWR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KHC_100

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

KHC_200_PWR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

KHC_300_PWR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Landlord (EM-60)

KHC_100

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

KHC_200_PWR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

KHC_300_PWR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KHC_ELEC_UTIL

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min													
	Vol	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0	0	0	0	0	0	0	0	0	0	0
	Vol	1,500		50	50	50	50	50	50	50	50	50	50	50
	Max	1,500		50	50	50	50	50	50	50	50	50	50	50

KHC_FLEET_MAIN

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min	70		2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	Vol	140		4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	Max	281		9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	70		2	2	2	2	2	2	2	2	2	2	2
	Vol	140		5	5	5	5	5	5	5	5	5	5	5
	Max	281		9	9	9	9	9	9	9	9	9	9	9

KHC_GAS_UTIL

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min													
	Vol	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	1,500		50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0	0	0	0	0	0	0	0	0	0	0
	Vol	1,500		50	50	50	50	50	50	50	50	50	50	50
	Max	1,500		50	50	50	50	50	50	50	50	50	50	50

Appendix F: Annual Waste Generator, Waste Class Volumes

Landlord (EM-60)

KHC_ELEC_UTIL

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	50	50	50	50	50	50	50	50	50	50	50	50	50
	Max	50	50	50	50	50	50	50	50	50	50	50	50	50

KHC_FLEET_MAIN

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
	Vol	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	Max	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	2	2	2	2	2	2	2	2	2	2	2	2	2
	Vol	5	5	5	5	5	5	5	5	5	5	5	5	5
	Max	9	9	9	9	9	9	9	9	9	9	9	9	9

KHC_GAS_NORTH

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
	Max	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.	50.
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	50	50	50	50	50	50	50	50	50	50	50	50	50
	Max	50	50	50	50	50	50	50	50	50	50	50	50	50

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KHC_ELEC_UTIL

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	50.	50.	50.	50.	50.	50.	.	.	.	.	.	.	.
	Max	50.	50.	50.	50.	50.	50.	.	.	.	.	.	.	.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	.	.	.	.	.	.	.
	Vol	50	50	50	50	50	50	.	.	.	.	.	.	.
	Max	50	50	50	50	50	50	.	.	.	.	.	.	.

KHC_FLEET_MAIN

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min	2.3	2.3	2.3	2.3	2.3	2.3	.	.	.	.	.	.	.
	Vol	4.7	4.7	4.7	4.7	4.7	4.7	.	.	.	.	.	.	.
	Max	9.4	9.4	9.4	9.4	9.4	9.4	.	.	.	.	.	.	.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	2	2	2	2	2	2	.	.	.	.	.	.	.
	Vol	5	5	5	5	5	5	.	.	.	.	.	.	.
	Max	9	9	9	9	9	9	.	.	.	.	.	.	.

KHC_GAS_NORTH

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	50.	50.	50.	50.	50.	50.	.	.	.	.	.	.	.
	Max	50.	50.	50.	50.	50.	50.	.	.	.	.	.	.	.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	.	.	.	.	.	.	.
	Vol	50	50	50	50	50	50	.	.	.	.	.	.	.
	Max	50	50	50	50	50	50	.	.	.	.	.	.	.

Appendix F: Annual Waste Generator, Waste Class Volumes

Landlord (EM-60)

KHC_ELEC_UTIL

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

KHC_FLEET_MAIN

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

KHC_GAS_NORTH

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KHC_ELEC_UTIL

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

KHC_FLEET_MAIN

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

KHC_GAS_NORTH

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Landlord (EM-60)

KHC_ELEC_UTIL

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

KHC_FLEET_MAIN

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

KHC_GAS_NORTH

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KHC_GAS SOUTH

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min	25		.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	49		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Max	74		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	25		1	1	1	1	1	1	1	1	1	1	1
	Vol	49		2	2	2	2	2	2	2	2	2	2	2
	Max	74		2	2	2	2	2	2	2	2	2	2	2

KHC_TRANSPORT

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min	16		.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	31		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	62		2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	16		1	1	1	1	1	1	1	1	1	1	1
	Vol	31		1	1	1	1	1	1	1	1	1	1	1
	Max	62		2	2	2	2	2	2	2	2	2	2	2

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	160		54	4	4	4	4	4	4	4	4	4	4
	Vol	4,821		257	157	157	157	157	157	157	157	157	157	157
	Max	5,067		314	164	164	164	164	164	164	164	164	164	164

Appendix F: Annual Waste Generator, Waste Class Volumes

Landlord (EM-60)

KHC_GAS_SOUTH

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Max	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	2	2	2	2	2	2	2	2	2	2	2	2	2
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

KHC_TRANSPORT

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1	1	1	1	1	1	1	1	1	1	1	1	1
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	2	2	2	2	2	2	2	2	2	2	2	2	2

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	4	4	4	4	4	4	4	4	4	4	4	4	4
	Vol	157	157	157	157	157	157	157	157	157	157	157	157	157
	Max	164	164	164	164	164	164	164	164	164	164	164	164	164

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KHC_GAS_SOUTH

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min	.8	.8	.8	.8	.8	.8							
	Vol	1.6	1.6	1.6	1.6	1.6	1.6							
	Max	2.5	2.5	2.5	2.5	2.5	2.5							
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	1	1	1	1	1	1							
	Vol	2	2	2	2	2	2							
	Max	2	2	2	2	2	2							

KHC_TRANSPORT

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min	.5	.5	.5	.5	.5	.5							
	Vol	1.	1.	1.	1.	1.	1.							
	Max	2.1	2.1	2.1	2.1	2.1	2.1							
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	1	1	1	1	1	1							
	Vol	1	1	1	1	1	1							
	Max	2	2	2	2	2	2							

Program		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	4	4	4	4	4	4							
	Vol	157	157	157	157	157	157							
	Max	164	164	164	164	164	164							

Appendix F: Annual Waste Generator, Waste Class Volumes

Landlord (EM-60)

KHC_GAS_SOUTH

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

KHC_TRANSPORT

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Landlord (EM-60)

KHC_GAS_SOUTH

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

KHC_TRANSPORT

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Landlord (EM-60)

KHC_GAS_SOUTH

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

KHC_TRANSPORT

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Liquid Effluent

WHC 200 ETF

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLMW_I	Min	441		37.2	9.4	11.3	11.7	15.1	11.4	11.7	11.4	11.5	12.3	12.5
	Vol	881		74.4	18.9	22.7	23.4	30.2	22.9	23.3	22.8	23.	24.6	25.
	Max	1,322		111.6	28.3	34.	35.	45.2	34.3	35.	34.2	34.6	37.	37.5
CH_LLMW_III	Min	2,368		57.3	17.5	15.5	19.1	23.9	8.4	7.4	7.7	9.9	45.2	87.
	Vol	4,735		114.6	34.9	31.	38.1	47.7	16.7	14.8	15.3	19.8	90.4	174.
	Max	7,103		171.9	52.4	46.5	57.2	71.6	25.1	22.1	23.	29.6	135.5	261.
HAZ	Min	2		1.9										
	Vol	189		3.7	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	191		5.6	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,810		96	27	27	31	39	20	19	19	21	58	100
	Vol	5,805		193	59	59	67	83	45	43	43	48	120	204
	Max	8,615		289	86	86	97	122	64	62	62	69	178	304

WHC 300 TEDF

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	436		15.9	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	4,359		159.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Max	5,231		190.8	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	436		16	15	15	15	15	15	15	15	15	15	15
	Vol	4,359		159	150	150	150	150	150	150	150	150	150	150
	Max	5,231		191	180	180	180	180	180	180	180	180	180	180

WHC WASTE TREATMENT

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	12		4.1	2.	2.	2.	2.						
	Vol	121		41.	20.	20.	20.	20.						
	Max	145		49.2	24.	24.	24.	24.						
CH_LLMW_I	Min	1			.1	.1	.1	.1						
	Vol	3		.8	.6	.6	.6	.6						
	Max	20		1.6	4.5	4.5	4.5	4.5						

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	13		4	2	2	2	2						
	Vol	124		42	21	21	21	21						
	Max	165		51	29	29	29	29						

Appendix F: Annual Waste Generator, Waste Class Volumes

Liquid Effluent

WHC_200 ETF

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_I	Min	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5
	Vol	25.	25.	25.	25.1	25.	25.	25.	25.	25.	25.	25.	25.	25.
	Max	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
CH_LLMW_III	Min	87.	87.	87.	90.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
	Vol	174.	174.	174.	180.9	183.	183.	183.	183.	183.	183.	183.	183.	183.
	Max	261.	261.	261.	271.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4
HAZ	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	100	100	100	103	104	104	104	104	104	104	104	104	104
	Vol	204	204	204	211	213	213	213	213	213	213	213	213	213
	Max	304	304	304	314	317	317	317	317	317	317	317	317	317

WHC_300 TEDF

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15
	Vol	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150
	Max	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180.	180
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	15	15	15	15	15	15	15	15	15	15	15	15	15
	Vol	150	150	150	150	150	150	150	150	150	150	150	150	150
	Max	180	180	180	180	180	180	180	180	180	180	180	180	180

WHC_WASTE_NEUT

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Liquid Effluent

WHC_200 ETF

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_I	Min	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	4.	1.4	1.4	1.4
	Vol	25.	25.	25.	25.	25.	25.	25.	25.	25.	8.1	2.8	2.8	2.8
	Max	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6	12.1	4.2	4.2	4.2
CH_LLMW_III	Min	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	29.6	10.3	10.3	10.3
	Vol	183.	183.	183.	183.	183.	183.	183.	183.	183.	59.2	20.6	20.6	20.6
	Max	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	274.4	88.8	30.9	30.9	30.9
HAZ	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	104	104	104	104	104	104	104	104	104	34	12	12	12
	Vol	213	213	213	213	213	213	213	213	213	72	28	28	28
	Max	317	317	317	317	317	317	317	317	317	106	40	40	40

WHC_300 TEDF

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	15.	15.	15.	15.	15.								
	Vol	150.	150.	150.	150.	150.								
	Max	180.	180.	180.	180.	180.								
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	15	15	15	15	15								
	Vol	150	150	150	150	150								
	Max	180	180	180	180	180								

WHC_WASTE_NEUT

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Liquid Effluent

WHC_200 ETF

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min	1.4												
	Vol	2.8												
	Max	4.2												
CH_LLMW_III	Min	10.3												
	Vol	20.6												
	Max	30.9												
HAZ	Min	.												
	Vol	5.												
	Max	5.												

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	12												
	Vol	28												
	Max	40												

WHC_300 TEDF

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

WHC_WASTE_NEUT

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Liquid Effluent

WHC_200 ETF

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_300 TEDF

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_WASTE_NEUT

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Liquid Effluent

WHC_200 ETF

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
Min														
Vol														
Max														

WHC_300 TEDF

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
Min														
Vol														
Max														

WHC_WASTE_NEUT

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
Min														
Vol														
Max														

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Liquid Effluent

<i>Program</i>	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Min	3,259		116	44	44	48	56	35	34	34	36	73	115
Vol	10,288		394	229	229	237	254	195	193	193	198	270	354
Max	14,011		531	294	294	306	330	244	242	242	249	358	484

Appendix F: Annual Waste Generator, Waste Class Volumes

Liquid Effluent

<i>Program</i>	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Min	115	115	115	118	119	119	119	119	119	119	119	119	119
Vol	354	354	354	361	363	363	363	363	363	363	363	363	363
Max	484	484	484	494	497	497	497	497	497	497	497	497	497

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Liquid Effluent

<i>Program</i>	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Min	119	119	119	119	119	104	104	104	104	34	12	12	12
Vol	363	363	363	363	363	213	213	213	213	72	28	28	28
Max	497	497	497	497	497	317	317	317	317	106	40	40	40

Appendix F: Annual Waste Generator, Waste Class Volumes

Liquid Effluent

<i>Program</i>	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Min	12												
Vol	28												
Max	40												

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Liquid Effluent

<i>Program</i>	<i>2046</i>	<i>2047</i>	<i>2048</i>	<i>2049</i>	<i>2050</i>	<i>2051</i>	<i>2052</i>	<i>2053</i>	<i>2054</i>	<i>2055</i>	<i>2056</i>	<i>2057</i>	<i>2058</i>
Min													
Vol													
Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Liquid Effluent

<i>Program</i>	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
Min												
Vol												
Max												

Non-Programmatic

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Generator	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
-----------	-------	------	------	------	------	------	------	------	------	------	------	------	------

Generator	Total	Held	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
-----------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------

<i>Generator</i>	Total	Held	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
------------------	-------	------	------	------	------	------	------	------	------	------	------	------	------	------

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Non-Programmatic

BCS_FED

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

BCS_RADIO_MAIN

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

NP_1100_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min							8.2	8.2	8.2	8.2	8.2		
	Vol							8.2	8.2	8.2	8.2	8.2		
	Max							8.2	8.2	8.2	8.2	8.2		
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min							8	8	8	8	8		
	Vol							8	8	8	8	8		
	Max							8	8	8	8	8		

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

BCS_FED

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

BCS_RADIO_MAIN

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

NP_1100_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

BCS_FED

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

BCS_RADIO_MAIN

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

NP_1100_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

BCS_FED

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

BCS_RADIO_MAIN

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

NP_1100_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

BCS_FED

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

BCS_RADIO_MAIN

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

NP_1100_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP 300 TR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	1,176												
	Vol	1,176												
	Max	1,176												
CH_LLW_III	Min	233												
	Vol	233												
	Max	233												
RH_LLW_III	Min	13												
	Vol	13												
	Max	13												
CH_LLMW_I	Min	60												
	Vol	60												
	Max	60												
CH_LLMW_III	Min	2												
	Vol	2												
	Max	2												
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min	631												
	Vol	631												
	Max	631												
CH_TRUM	Min	95												
	Vol	95												
	Max	95												
HAZ	Min	176												
	Vol	176												
	Max	176												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,387												
	Vol	2,387												
	Max	2,387												

NP 0000 TR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min	11												
	Vol	11												
	Max	11												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	11												
	Vol	11												
	Max	11												

Non-Programmatic

NP_300_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min					235.3	235.3	235.3	235.3	235.3				
	Vol					235.3	235.3	235.3	235.3	235.3				
	Max					235.3	235.3	235.3	235.3	235.3				
CH_LLW_III	Min					46.7	46.7	46.7	46.7	46.7				
	Vol					46.7	46.7	46.7	46.7	46.7				
	Max					46.7	46.7	46.7	46.7	46.7				
RH_LLW_III	Min					2.6	2.6	2.6	2.6	2.6				
	Vol					2.6	2.6	2.6	2.6	2.6				
	Max					2.6	2.6	2.6	2.6	2.6				
CH_LLMW_I	Min					12.	12.	12.	12.	12.				
	Vol					12.	12.	12.	12.	12.				
	Max					12.	12.	12.	12.	12.				
CH_LLMW_III	Min					.5	.5	.5	.5	.5				
	Vol					.5	.5	.5	.5	.5				
	Max					.5	.5	.5	.5	.5				
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min					126.2	126.2	126.2	126.2	126.2				
	Vol					126.2	126.2	126.2	126.2	126.2				
	Max					126.2	126.2	126.2	126.2	126.2				
CH_TRUM	Min					19.1	19.1	19.1	19.1	19.1				
	Vol					19.1	19.1	19.1	19.1	19.1				
	Max					19.1	19.1	19.1	19.1	19.1				
HAZ	Min					35.1	35.1	35.1	35.1	35.1				
	Vol					35.1	35.1	35.1	35.1	35.1				
	Max					35.1	35.1	35.1	35.1	35.1				
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min					477	477	477	477	477				
	Vol					477	477	477	477	477				
	Max					477	477	477	477	477				

NP_3000_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min											2.2	2.2	2.2
	Vol											2.2	2.2	2.2
	Max											2.2	2.2	2.2
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min											2	2	2
	Vol											2	2	2
	Max											2	2	2

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Non-Programmatic

NP_300_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

NP_3000_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min	2.2	2.2											
	Vol	2.2	2.2											
	Max	2.2	2.2											
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	2	2											
	Vol	2	2											
	Max	2	2											

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_300_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

NP_3000_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_300_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

NP_3000_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Non-Programmatic

NP_300_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

NP_3000_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Non-Programmatic

NP-100-112

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	64												
	Vol	64												
	Max	64												
CH_LLW_III	Min	3												
	Vol	3												
	Max	3												
RH_LLW_III	Min	33												
	Vol	33												
	Max	33												
CH_TRU	Min	73												
	Vol	73												
	Max	73												
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min	16												
	Vol	16												
	Max	16												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	190												
	Vol	190												
	Max	190												

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min	22												
	Vol	22												
	Max	22												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	22												
	Vol	22												
	Max	22												

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_400_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													12.8
	Vol													12.8
	Max													12.8
CH_LLW_III	Min													.6
	Vol													.6
	Max													.6
RH_LLW_III	Min													6.6
	Vol													6.6
	Max													6.6
CH_TRU	Min													14.6
	Vol													14.6
	Max													14.6
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													3.3
	Vol													3.3
	Max													3.3
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													38
	Vol													38
	Max													38

NP_600_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min									4.3	4.3	4.3	4.3	4.3
	Vol									4.3	4.3	4.3	4.3	4.3
	Max									4.3	4.3	4.3	4.3	4.3
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min									4	4	4	4	4
	Vol									4	4	4	4	4
	Max									4	4	4	4	4

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Non-Programmatic

NP_400_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	12.8	12.8	12.8	12.8									
	Vol	12.8	12.8	12.8	12.8									
	Max	12.8	12.8	12.8	12.8									
CH_LLW_III	Min	.6	.6	.6	.6									
	Vol	.6	.6	.6	.6									
	Max	.6	.6	.6	.6									
RH_LLW_III	Min	6.6	6.6	6.6	6.6									
	Vol	6.6	6.6	6.6	6.6									
	Max	6.6	6.6	6.6	6.6									
CH_TRU	Min	14.6	14.6	14.6	14.6									
	Vol	14.6	14.6	14.6	14.6									
	Max	14.6	14.6	14.6	14.6									
CH_TRUM	Min	.	.											
	Vol	.	.											
	Max	.	.											
HAZ	Min	3.3	3.3	3.3	3.3									
	Vol	3.3	3.3	3.3	3.3									
	Max	3.3	3.3	3.3	3.3									

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	38	38	38	38									
	Vol	38	38	38	38									
	Max	38	38	38	38									

NP_600_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Non-Programmatic

NP_400_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

NP_600_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_400_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

NP_600_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_400_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

NP_600_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_8 PLANT_TR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	41												
	Vol	41												
	Max	41												
CH_LLW_III	Min	41												
	Vol	41												
	Max	41												
RH_LLW_III	Min	9												
	Vol	9												
	Max	9												
CH_TRU	Min	57												
	Vol	57												
	Max	57												
CH_TRUM	Min	1												
	Vol	1												
	Max	1												
HAZ	Min	12												
	Vol	12												
	Max	12												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	161												
	Vol	161												
	Max	161												

Non-Programmatic

NP_B_PLANT_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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Non-Programmatic

NP_B_PLANT_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min		8.2	8.2	8.2	8.2	8.2							
	Vol		8.2	8.2	8.2	8.2	8.2							
	Max		8.2	8.2	8.2	8.2	8.2							
CH_LLW_III	Min		8.2	8.2	8.2	8.2	8.2							
	Vol		8.2	8.2	8.2	8.2	8.2							
	Max		8.2	8.2	8.2	8.2	8.2							
RH_LLW_III	Min		1.8	1.8	1.8	1.8	1.8							
	Vol		1.8	1.8	1.8	1.8	1.8							
	Max		1.8	1.8	1.8	1.8	1.8							
CH_TRU	Min		11.5	11.5	11.5	11.5	11.5							
	Vol		11.5	11.5	11.5	11.5	11.5							
	Max		11.5	11.5	11.5	11.5	11.5							
CH_TRUM	Min		.2	.2	.2	.2	.2							
	Vol		.2	.2	.2	.2	.2							
	Max		.2	.2	.2	.2	.2							
HAZ	Min		2.3	2.3	2.3	2.3	2.3							
	Vol		2.3	2.3	2.3	2.3	2.3							
	Max		2.3	2.3	2.3	2.3	2.3							
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min		32	32	32	32	32							
	Vol		32	32	32	32	32							
	Max		32	32	32	32	32							

Non-Programmatic

NP_B_PLANT_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Non-Programmatic

NP_B_PLANT_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Non-Programmatic

NP_B_PLANT_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP PFP TR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	55												
	Vol	55												
	Max	55												
CH_LLW_III	Min	15												
	Vol	15												
	Max	15												
CH_LLMW_I	Min	76												
	Vol	76												
	Max	76												
CH_LLMW_III	Min	3												
	Vol	3												
	Max	3												
CH_TRU	Min	48												
	Vol	48												
	Max	48												
CH_TRUM	Min	7												
	Vol	7												
	Max	7												
HAZ	Min	10												
	Vol	10												
	Max	10												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	215												
	Vol	215												
	Max	215												

Non-Programmatic

NP_PFP_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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Non-Programmatic

NP_PFP_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_PFP_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	11.	11.	11.	11.	11.								
	Vol	11.	11.	11.	11.	11.								
	Max	11.	11.	11.	11.	11.								
CH_LLW_III	Min	3.1	3.1	3.1	3.1	3.1								
	Vol	3.1	3.1	3.1	3.1	3.1								
	Max	3.1	3.1	3.1	3.1	3.1								
CH_LLMW_I	Min	15.1	15.1	15.1	15.1	15.1								
	Vol	15.1	15.1	15.1	15.1	15.1								
	Max	15.1	15.1	15.1	15.1	15.1								
CH_LLMW_III	Min	.6	.6	.6	.6	.6								
	Vol	.6	.6	.6	.6	.6								
	Max	.6	.6	.6	.6	.6								
CH_TRU	Min	9.6	9.6	9.6	9.6	9.6								
	Vol	9.6	9.6	9.6	9.6	9.6								
	Max	9.6	9.6	9.6	9.6	9.6								
CH_TRUM	Min	1.4	1.4	1.4	1.4	1.4								
	Vol	1.4	1.4	1.4	1.4	1.4								
	Max	1.4	1.4	1.4	1.4	1.4								
HAZ	Min	2.1	2.1	2.1	2.1	2.1								
	Vol	2.1	2.1	2.1	2.1	2.1								
	Max	2.1	2.1	2.1	2.1	2.1								
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	43	43	43	43	43								
	Vol	43	43	43	43	43								
	Max	43	43	43	43	43								

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Non-Programmatic

NP_PFP_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Non-Programmatic

NP_PFP_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP-PUREX TR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	172												
	Vol	172												
	Max	172												
CH_LLW_III	Min	1												
	Vol	1												
	Max	1												
CH_LLMW_I	Min	40												
	Vol	40												
	Max	40												
CH_LLMW_III	Min	4												
	Vol	4												
	Max	4												
CH_TRU	Min	90												
	Vol	90												
	Max	90												
CH_TRUM	Min	20												
	Vol	20												
	Max	20												
HAZ	Min	30												
	Vol	30												
	Max	30												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	357												
	Vol	357												
	Max	357												

Non-Programmatic

NP_PUREX_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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Non-Programmatic

NP_PUREX_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min				34.3	34.3	34.3	34.3	34.3					
	Vol				34.3	34.3	34.3	34.3	34.3					
	Max				34.3	34.3	34.3	34.3	34.3					
CH_LLW_III	Min				.2	.2	.2	.2	.2					
	Vol				.2	.2	.2	.2	.2					
	Max				.2	.2	.2	.2	.2					
CH_LLMW_I	Min				8.1	8.1	8.1	8.1	8.1					
	Vol				8.1	8.1	8.1	8.1	8.1					
	Max				8.1	8.1	8.1	8.1	8.1					
CH_LLMW_III	Min				.9	.9	.9	.9	.9					
	Vol				.9	.9	.9	.9	.9					
	Max				.9	.9	.9	.9	.9					
CH_TRU	Min				18.	18.	18.	18.	18.					
	Vol				18.	18.	18.	18.	18.					
	Max				18.	18.	18.	18.	18.					
CH_TRUM	Min				3.9	3.9	3.9	3.9	3.9					
	Vol				3.9	3.9	3.9	3.9	3.9					
	Max				3.9	3.9	3.9	3.9	3.9					
HAZ	Min				6.	6.	6.	6.	6.					
	Vol				6.	6.	6.	6.	6.					
	Max				6.	6.	6.	6.	6.					

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min				71	71	71	71	71					
	Vol				71	71	71	71	71					
	Max				71	71	71	71	71					

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_PUREX_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_PUREX_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Non-Programmatic

NP_PUREX_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_REDOX_TB

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	298												
	Vol	298												
	Max	298												
CH_LLW_III	Min	1												
	Vol	1												
	Max	1												
CH_LLMW_I	Min	2												
	Vol	2												
	Max	2												
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min	173												
	Vol	173												
	Max	173												
CH_TRUM	Min	38												
	Vol	38												
	Max	38												
HAZ	Min	36												
	Vol	36												
	Max	36												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	550												
	Vol	550												
	Max	550												

Non-Programmatic

NP_REDOX_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_REDOX_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min						59.7	59.7	59.7	59.7	59.7			
	Vol						59.7	59.7	59.7	59.7	59.7			
	Max						59.7	59.7	59.7	59.7	59.7			
CH_LLW_III	Min						.3	.3	.3	.3	.3			
	Vol						.3	.3	.3	.3	.3			
	Max						.3	.3	.3	.3	.3			
CH_LLMW_I	Min						.4	.4	.4	.4	.4			
	Vol						.4	.4	.4	.4	.4			
	Max						.4	.4	.4	.4	.4			
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min						34.7	34.7	34.7	34.7	34.7			
	Vol						34.7	34.7	34.7	34.7	34.7			
	Max						34.7	34.7	34.7	34.7	34.7			
CH_TRUM	Min						7.6	7.6	7.6	7.6	7.6			
	Vol						7.6	7.6	7.6	7.6	7.6			
	Max						7.6	7.6	7.6	7.6	7.6			
HAZ	Min						7.2	7.2	7.2	7.2	7.2			
	Vol						7.2	7.2	7.2	7.2	7.2			
	Max						7.2	7.2	7.2	7.2	7.2			
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min						110	110	110	110	110			
	Vol						110	110	110	110	110			
	Max						110	110	110	110	110			

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_REDOX_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Non-Programmatic

NP_REDOX_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_REDOX_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP SITE SUP TR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	45												
	Vol	45												
	Max	45												
CH_LLW_III	Min	9												
	Vol	9												
	Max	9												
RH_LLW_III	Min	1												
	Vol	1												
	Max	1												
CH_TRU	Min	30												
	Vol	30												
	Max	30												
CH_TRUM	Min	5												
	Vol	5												
	Max	5												
HAZ	Min	183												
	Vol	183												
	Max	183												
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	273												
	Vol	273												
	Max	273												

Non-Programmatic

NP_SITE_SUP_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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Non-Programmatic

NP_SITE_SUP_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min								9.	9.	9.	9.	9.	
	Vol								9.	9.	9.	9.	9.	
	Max								9.	9.	9.	9.	9.	
CH_LLW_III	Min								1.8	1.8	1.8	1.8	1.8	
	Vol								1.8	1.8	1.8	1.8	1.8	
	Max								1.8	1.8	1.8	1.8	1.8	
RH_LLW_III	Min								.1	.1	.1	.1	.1	
	Vol								.1	.1	.1	.1	.1	
	Max								.1	.1	.1	.1	.1	
CH_TRU	Min								6.	6.	6.	6.	6.	
	Vol								6.	6.	6.	6.	6.	
	Max								6.	6.	6.	6.	6.	
CH_TRUM	Min								.9	.9	.9	.9	.9	
	Vol								.9	.9	.9	.9	.9	
	Max								.9	.9	.9	.9	.9	
HAZ	Min								36.6	36.6	36.6	36.6	36.6	
	Vol								36.6	36.6	36.6	36.6	36.6	
	Max								36.6	36.6	36.6	36.6	36.6	
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min								55	55	55	55	55	
	Vol								55	55	55	55	55	
	Max								55	55	55	55	55	

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_SITE_SUP_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Non-Programmatic

NP_SITE_SUP_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Non-Programmatic

NP_SITE_SUP_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_T_PLANT_TR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	81												
	Vol	81												
	Max	81												
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min	34												
	Vol	34												
	Max	34												
CH_TRUM	Min	7												
	Vol	7												
	Max	7												
HAZ	Min	35												
	Vol	35												
	Max	35												

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	158												
	Vol	158												
	Max	158												

Non-Programmatic

NP_T_PLANT_TR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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Non-Programmatic

NP_T_PLANT_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min										16.3	16.3	16.3	16.3
	Vol										16.3	16.3	16.3	16.3
	Max										16.3	16.3	16.3	16.3
CH_LLW_III	Min										.1	.1	.1	.1
	Vol										.1	.1	.1	.1
	Max										.1	.1	.1	.1
CH_TRU	Min										6.7	6.7	6.7	6.7
	Vol										6.7	6.7	6.7	6.7
	Max										6.7	6.7	6.7	6.7
CH_TRUM	Min										1.5	1.5	1.5	1.5
	Vol										1.5	1.5	1.5	1.5
	Max										1.5	1.5	1.5	1.5
HAZ	Min										7.	7.	7.	7.
	Vol										7.	7.	7.	7.
	Max										7.	7.	7.	7.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min										32	32	32	32
	Vol										32	32	32	32
	Max										32	32	32	32

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_T_PLANT_TR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	16.3												
	Vol	16.3												
	Max	16.3												
CH_LLW_III	Min	.1												
	Vol	.1												
	Max	.1												
CH_TRU	Min	6.7												
	Vol	6.7												
	Max	6.7												
CH_TRUM	Min	1.5												
	Vol	1.5												
	Max	1.5												
HAZ	Min	7.												
	Vol	7.												
	Max	7.												

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	32												
	Vol	32												
	Max	32												

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_T_PLANT_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

NP_T_PLANT_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_U_PLANT_TR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	27												
	Vol	27												
	Max	27												
CH_LLW_III	Min	5												
	Vol	5												
	Max	5												
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLW_I	Min	2												
	Vol	2												
	Max	2												
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min	9												
	Vol	9												
	Max	9												
CH_TRUM	Min	1												
	Vol	1												
	Max	1												
HAZ	Min	5												
	Vol	5												
	Max	5												
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	52												
	Vol	52												
	Max	52												

WHE EQUIP														
Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	7,076		368.3	170.	170.	352.7	352.7	352.7	352.7	226.6	226.6	226.6	339.9
	Vol	7,076		368.3	170.	170.	352.7	352.7	352.7	352.7	226.6	226.6	226.6	339.9
	Max	7,076		368.3	170.	170.	352.7	352.7	352.7	352.7	226.6	226.6	226.6	339.9
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	7,076		368	170	170	353	353	353	353	227	227	227	340
	Vol	7,076		368	170	170	353	353	353	353	227	227	227	340
	Max	7,076		368	170	170	353	353	353	353	227	227	227	340

Totals may not add due to rounding.

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Non-Programmatic**NP_U_PLANT_TR**

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

WHC_BQUIP

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_I	Min	339.9	339.9	170.	170.	170.	226.6	226.6	255.	283.3	339.9	198.3	198.3	226.6
	Vol	339.9	339.9	170.	170.	170.	226.6	226.6	255.	283.3	339.9	198.3	198.3	226.6
	Max	339.9	339.9	170.	170.	170.	226.6	226.6	255.	283.3	339.9	198.3	198.3	226.6
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	340	340	170	170	170	227	227	255	283	340	198	198	227
	Vol	340	340	170	170	170	227	227	255	283	340	198	198	227
	Max	340	340	170	170	170	227	227	255	283	340	198	198	227

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_U_PLANT_TR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min												5.5	5.5
	Vol												5.5	5.5
	Max												5.5	5.5
CH_LLW_III	Min												1.1	1.1
	Vol												1.1	1.1
	Max												1.1	1.1
RH_LLW_III	Min												.1	.1
	Vol												.1	.1
	Max												.1	.1
CH_LLMW_I	Min												.5	.5
	Vol												.5	.5
	Max												.5	.5
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min												1.9	1.9
	Vol												1.9	1.9
	Max												1.9	1.9
CH_TRUM	Min												.3	.3
	Vol												.3	.3
	Max												.3	.3
HAZ	Min												1.	1.
	Vol												1.	1.
	Max												1.	1.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min												10	10
	Vol												10	10
	Max												10	10

WHC_BQUIP

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_I	Min	283.3	339.9	170.										
	Vol	283.3	339.9	170.										
	Max	283.3	339.9	170.										
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	283	340	170										
	Vol	283	340	170										
	Max	283	340	170										

Non-Programmatic**NP_U_PLANT_TR**

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	5.5	5.5	5.5										
	Vol	5.5	5.5	5.5										
	Max	5.5	5.5	5.5										
CH_LLW_III	Min	1.1	1.1	1.1										
	Vol	1.1	1.1	1.1										
	Max	1.1	1.1	1.1										
RH_LLW_III	Min	.1	.1	.1										
	Vol	.1	.1	.1										
	Max	.1	.1	.1										
CH_LLMW_I	Min	.5	.5	.5										
	Vol	.5	.5	.5										
	Max	.5	.5	.5										
CH_LLMW_III	Min	.	.											
	Vol	.	.											
	Max	.	.											
RH_LLMW_III	Min	.	.											
	Vol	.	.											
	Max	.	.											
CH_TRU	Min	1.9	1.9	1.9										
	Vol	1.9	1.9	1.9										
	Max	1.9	1.9	1.9										
CH_TRUM	Min	.3	.3	.3										
	Vol	.3	.3	.3										
	Max	.3	.3	.3										
HAZ	Min	1.	1.	1.										
	Vol	1.	1.	1.										
	Max	1.	1.	1.										

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	10	10	10										
	Vol	10	10	10										
	Max	10	10	10										

WHC_BQUIP

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

NP_U_PLANT_TR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_BQUIP

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_I	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Non-Programmatic

NP_U_PLANT_TR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

WHC_BQUIP

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

WHC PROCURMENT

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
HAZ	Min	788		30.5	30.5	30.5	30.5	30.	25.5	25.5	25.5	25.5	25.5	25.5
	Vol	1,576		61.	61.	61.	61.	59.9	50.9	50.9	50.9	50.9	50.9	50.9
	Max	2,313		122.	122.	122.	122.	119.8	101.8	101.8	101.8	101.8	101.8	101.8
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	788		31	31	31	31	30	25	25	25	25	25	25
	Vol	1,576		61	61	61	61	60	51	51	51	51	51	51
	Max	2,313		122	122	122	122	120	102	102	102	102	102	102

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	12,351		423	225	225	383	383	378	378	252	252	252	365
	Vol	13,164		462	263	263	414	413	404	404	278	278	278	391
	Max	13,924		531	332	332	475	473	455	455	328	328	328	442

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

WHC_PROCUREMENT

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
HAZ	Min	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
	Vol	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
	Max	76.3	76.3	76.3	76.3	76.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	25	25	25	25	25	25	25	25	25	25	25	25	25
	Vol	51	51	51	51	51	51	51	51	51	51	51	51	51
	Max	76	76	76	76	76	51	51	51	51	51	51	51	51

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	365	365	195	195	673	729	738	766	799	378	238	230	296
	Vol	391	391	221	221	698	755	763	792	824	403	264	256	322
	Max	416	416	246	246	724	755	763	792	824	403	264	256	322

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

WHC_PROCUREMENT

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
HAZ	Min	25.5	25.5	25.5	25.5	25.5	25.5							
	Vol	50.9	50.9	50.9	50.9	50.9	50.9							
	Max	50.9	50.9	50.9	50.9	50.9	50.9							
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	25	25	25	25	25	25							
	Vol	51	51	51	51	51	51							
	Max	51	51	51	51	51	51							

Program		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	349	438	266	167	129	239	181	236	164	196	86	96	42
	Vol	374	463	291	193	155	265	181	236	164	196	86	96	42
	Max	374	463	291	193	155	265	181	236	164	196	86	96	42

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

WHC_PROCUREMENT

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
HAZ	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	85	53	53	43	43								
	Vol	85	53	53	43	43								
	Max	85	53	53	43	43								

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Non-Programmatic

WHC_PROCUREMENT

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Non-Programmatic

WHC_PROCUREMENT

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite																							
AMES																							
Class																							
Generator	CH_LLW_I			CH_TRU			CH_TRUM			Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
	Min	Vol	Max	Min	Vol	Max	Min	Vol	Max														
	55	111	166																				
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	167	111	55																				
	Max	Vol	Min																				

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

AMES

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	1.6	1.6	1.6	.8	.8	.8	.8	.8	.8	.8	.8	.4	.4
	Vol	3.2	3.2	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	.8	.8
	Max	4.8	4.8	4.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	1.2	1.2
CH_TRU	Min													
	Vol													
	Max								.1					
CH_TRUM	Min													
	Vol													
	Max								.1					
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	2	2	2	1	1	1	1	1	1	1	1	0	0
	Vol	3	3	3	2	2	2	2	2	2	2	2	1	1
	Max	5	5	5	2	2	2	2	2	2	2	2	1	1

ANL_E

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
CH_LLW_III	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
	Max	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	232	232	232	232	232	232	232	232	232	232	232	232	232
	Max	232	232	232	232	232	232	232	232	232	232	232	232	232

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

AMES

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

ANL_E

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
CH_LLW_III	Min													
	Vol	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6		
	Max	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6	5.6		
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	232	232	232	232	232	232	232	232	232	232	232	227	227
	Max	232	232	232	232	232	232	232	232	232	232	232	227	227

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

AMES

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

ANL_E

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
CH_LLW_III	Min													
	Vol	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	227	227	227	227	227	227	227	227	227	227	227	227	227
	Max	227	227	227	227	227	227	227	227	227	227	227	227	227

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

AMES

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
CH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	1	1	1	1	1	1	1	1	1	1	1	1	1
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

ANL_E

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
CH_LLW_III	Min													
	Vol	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
RH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	227	227	227	227	227	227	227	227	227	227	227	227	227
	Max	227	227	227	227	227	227	227	227	227	227	227	227	227

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

AMES

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
CH_TRU	Min												
	Vol												
	Max												
CH_TRUM	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	1	1	1	1	1	1	1	1	1	1	1	1
	Max	1	1	1	1	1	1	1	1	1	1	1	1

ANL_E

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
	Max	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.	216.
CH_LLW_III	Min												
	Vol	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
	Max	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
RH_LLW_III	Min												
	Vol												
	Max												
CH_TRU	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	227	227	227	227	227	227	227	227	227	227	227	227
	Max	227	227	227	227	227	227	227	227	227	227	227	227

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

B. LEHR DAV

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	467		113.3	35.4	35.4	35.4	70.8	70.8	70.8	35.4			
	Vol	1,870		453.1	141.6	141.6	141.6	283.3	283.3	283.3	141.6			
	Max	3,017		679.7	283.3	283.3	283.3	424.9	424.9	424.9	212.5			
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	467		113	35	35	35	71	71	71	35			
	Vol	1,870		453	142	142	142	283	283	283	142			
	Max	3,017		680	283	283	283	425	425	425	212			

BAPL

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min			.3										
	Vol			.3										
	Max			.3										
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0										
	Vol	0		0										
	Max	0		0										

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min													
	Vol	37		34.5										
	Max	37		34.5										
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0										
	Vol	37		35										
	Max	37		35										

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

B_LEHR_DAV

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

BAPL

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

BAPL_SHIPYDS

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol						2.8							
	Max						2.8							
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min						0							
	Vol						3							
	Max						3							

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Offsite

B_LEHR_DAV

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

BAPL

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

BAPL_SHIPYDS

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

B_LEHR_DAV

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

BAPL

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

BAPL_SHIPYDS

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

B_LEHR_DAV

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

BAPL

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

BAPL_SHIPYDS

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

B_LEHR_DAV

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

BAPL

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

BAPL_SHIPYDS

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

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Class												
Generator												
CH_LLW_I	Min	144	29.5	29.5	28.3	28.3	28.3	28.3	28.3	28.3	28.3	28.3
	Vol	1,274	226.6	226.6	283.2	283.2	254.9	339.8	339.8	339.8	339.8	339.8
CH_LLMW_I	Max	1,698	339.8	339.8	339.8	339.8	339.8	339.8	339.8	339.8	339.8	339.8
	Min	13	13	13	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
RH_TRU	Vol	13	13	13	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Max	13	13	13	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
RH_LLW_I	Min	157	29	29	28	28	28	28.3	28.3	28.3	28.3	28.3
	Vol	1,373	227	227	312	312	283	367	367	367	367	367
Generator	Max	1,797	340	340	368	368	368	367	367	367	367	367
	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Class												
Generator												
CH_LLW_I	Min	59,905	237.9	249.8	298.3	275.4	289.1	303.6	318.8	334.7	351.5	369.3
	Vol	74,882	297.4	312.2	372.8	344.2	361.4	379.5	398.5	418.4	439.3	461.3
RH_LLW_I	Max	89,858	356.8	374.7	447.4	413.1	433.7	455.4	478.2	502.1	527.2	553.6
	Min	8	7.6	9.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
Generator	Max	89,869	368	375	447	413	434	455	478	502	527	554
	Vol	74,891	307	312	373	344	361	380	398	418	439	461
Class	Min	59,913	245	250	298	275	289	304	319	335	351	369
	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Generator												
CH_LLW_I	Min	218	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5	43.5
	Vol	435	87	87	87	87	87	87	87	87	87	87
Generator	Max	435	87	87	87	87	87	87	87	87	87	87
	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Class												
Generator												
CH_LLW_I	Min	0	0	0	0	0	0	0	0	0	0	0
	Vol	218	44	44	44	44	44	44	44	44	44	44
Generator	Max	435	87	87	87	87	87	87	87	87	87	87
	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005

Totals may not add due to rounding.

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

BAT_CLBS_LAB

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

BRKHVN

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	406.9	427.2	448.6	471.	494.6	519.3	545.3	572.5	601.2	631.2	662.8	695.9	730.7
	Vol	508.6	534.	560.7	588.8	618.2	649.1	681.6	715.7	751.4	789.	828.5	869.9	913.4
	Max	610.3	640.8	672.9	706.5	741.9	778.9	817.9	858.8	901.7	946.8	994.21	1,043.91	1,096.1
RH_LLW_I	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	407	427	449	471	495	519	545	573	601	631	663	696	731
	Vol	509	534	561	589	618	649	682	716	751	789	828	870	913
	Max	610	641	673	707	742	779	818	859	902	947	994	1,044	1,096

EG&G

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

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Offsite

BAT_CLBS_LAB

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

BRKHAVN

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	767.2	805.6	845.9	888.2	932.6	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
	Vol	959.11,007.	1,057.41,110.21,165.71,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.
	Max	1,150.91,208.41,268.81,332.31,398.91,468.81,468.81,468.81,468.81,468.81,468.81,468.81,468.8												
RH_LLW_I	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	767	806	846	888	933	979	979	979	979	979	979	979	979
	Vol	959	1,007	1,057	1,110	1,166	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224
	Max	1,151	1,208	1,269	1,332	1,399	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469

EG&G

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

BAT_CLBS_LAB

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

BRKHVN

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
	Vol	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.
	Max	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.8
RH_LLW_I	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	979	979	979	979	979	979	979	979	979	979	979	979	979
	Vol	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224
	Max	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469

EG&G

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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BAT_CLBS_LAB

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

BRKHVN

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
	Vol	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.
	Max	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.8
RH_LLW_I	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	979	979	979	979	979	979	979	979	979	979	979	979	979
	Vol	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224
	Max	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469

EG&G

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

BAT_CLBS_LAB

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min												
	Vol												
	Max												
CH_LLMW_I	Min												
	Vol												
	Max												
RH_TRU	Min												
	Vol												
	Max												

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

BRKHVN

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2	979.2
	Vol	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.	1,224.
	Max	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.81	1,468.8
RH_LLW_I	Min												
	Vol												
	Max												

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	979	979	979	979	979	979	979	979	979	979	979	979
	Vol	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224
	Max	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469	1,469

EG&G

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min												
	Vol												
	Max												

Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	1,661		22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	3,354	31	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	6,676		88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,661	0	22	22	22	22	22	22	22	22	22	22	22
	Vol	3,354	31	44	44	44	44	44	44	44	44	44	44	44
	Max	6,676		89	89	89	89	89	89	89	89	89	89	89

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	760		189.4	189.4	189.4	192.							
	Vol	845		210.4	210.4	210.4	213.3							
	Max	1,267		315.6	315.6	315.6	320.							
RH_LLW_III	Min	3		.7	.7	.7	.7							
	Vol	5		1.3	1.3	1.3	.7							
	Max	7		2.	2.	2.	1.3							
CH_LLMW_I	Min	3			1.1	1.1	1.1							
	Vol	3			1.1	1.1	1.1							
	Max	3			1.1	1.1	1.1							
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	766		190	191	191	194							
	Vol	852		212	213	213	215							
	Max	1,277		318	319	319	322							

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLMW_I	Min	13							13.1					
	Vol	13							13.1					
	Max	13							13.1					
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	13							13					
	Vol	13							13					
	Max	13							13					

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

FERMI

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	22	22	22	22	22	22	22	22	22	22	22	22	22
	Vol	44	44	44	44	44	44	44	44	44	44	44	44	44
	Max	89	89	89	89	89	89	89	89	89	89	89	89	89

GEN_ATOM

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

KAPL

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

FERMI

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	22	22	22	22	22	22	22	22	22	22	22	22	22
	Vol	44	44	44	44	44	44	44	44	44	44	44	44	44
	Max	89	89	89	89	89	89	89	89	89	89	89	89	89

GEN_ATOM

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

KAPL

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

FERMI

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	22	22	22	22	22	22	22	22	22	22	22	22	22
	Vol	44	44	44	44	44	44	44	44	44	44	44	44	44
	Max	89	89	89	89	89	89	89	89	89	89	89	89	89

GEN_ATOM

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

KAPL

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

FERMI

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	22	22	22	22	22	22	22	22	22	22	22	22	22
	Vol	44	44	44	44	44	44	44	44	44	44	44	44	44
	Max	89	89	89	89	89	89	89	89	89	89	89	89	89

GEN_ATOM

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

KAPL

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

FERMI

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
	Vol	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
	Max	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	22	22	22	22	22	22	22	22	22	22	22	22
	Vol	44	44	44	44	44	44	44	44	44	44	44	44
	Max	89	89	89	89	89	89	89	89	89	89	89	89

GEN_ATOM

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min												
	Vol												
	Max												
RH_LLW_III	Min												
	Vol												
	Max												
CH_LLMW_I	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

KAPL

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLMW_I	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

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CH_LLW_III														
Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Generator	Min	0							0	0	0	0		
	Vol	238							59	59	59	59		
	Max	238							59	59	59	59		
CH_LLW_I														
Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Generator	Min	9.785	98.	78.	78.	78.	78.	933.	1,866.	1,866.	1,866.	1,866.	16.	16.
	Vol	10,718	98.	78.	78.	78.	78.	1,866.	1,866.	1,866.	1,866.	1,866.	16.	16.
	Max	14,450	98.	78.	78.	78.	78.	1,866.	2,799.	2,799.	2,799.	2,799.	16.	16.
CH_LLW_III	Min	150	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	150	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	150	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
Generator	Min	9,935	100	80	80	80	80	935	1,868	1,868	1,868	1,868	18	18
	Vol	10,868	100	80	80	80	1,868	1,868	1,868	1,868	1,868	1,868	18	18
	Max	14,600											18	18
Class														
CH_LLW_I	Min	469						9.2					9.2	
	Vol	478	9					9.2					9.2	
	Max	948						18.4					18.4	
Generator	Min	469						9					9	
	Vol	478	9					9					9	
	Max	948						18					18	
CH_LLW_I	Min	469						9					9	
	Vol	478	9					9					9	
	Max	948						18					18	
Generator	Min	469						9					9	
	Vol	478	9					9					9	
	Max	948						18					18	

Totals may not add due to rounding.

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

KAPL_SHIPYDS

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_III	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

LBL

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
CH_LLW_III	Min	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	18	18	18	18	18	18	18	18	18	18	18	18	18
	Vol	18	18	18	18	18	18	18	18	18	18	18	18	18
	Max	18	18	18	18	18	18	18	18	18	18	18	18	18

MIT_BATES

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min				9.2					9.2				
	Vol				9.2					9.2				
	Max				18.4					18.4				
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min				9					9				
	Vol				9					9				
	Max				18					18				

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

KAPL_SHIPYDS

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_III	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

LBL

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
CH_LLW_III	Min	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	18	18	18	18	18	18	18	18	18	18	18	18	18
	Vol	18	18	18	18	18	18	18	18	18	18	18	18	18
	Max	18	18	18	18	18	18	18	18	18	18	18	18	18

MIT_BATES

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	9.2					9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Vol	9.2					9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Max	18.4					18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	9					9	9	9	9	9	9	9	9
	Vol	9					9	9	9	9	9	9	9	9
	Max	18					18	18	18	18	18	18	18	18

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

KAPL_SHIPYDS

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_III	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

LBL

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16
	Vol	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16
	Max	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16
CH_LLW_III	Min	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	18	18	18	18	18	18	18	18	18	18	18	18	18
	Vol	18	18	18	18	18	18	18	18	18	18	18	18	18
	Max	18	18	18	18	18	18	18	18	18	18	18	18	18

MIT_BATES

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Vol	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Max	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	9	9	9	9	9	9	9	9	9	9	9	9	9
	Vol	9	9	9	9	9	9	9	9	9	9	9	9	9
	Max	18	18	18	18	18	18	18	18	18	18	18	18	18

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

KAPL_SHIPYDS

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_III	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

LBL

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
CH_LLW_III	Min	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	18	18	18	18	18	18	18	18	18	18	18	18	18
	Vol	18	18	18	18	18	18	18	18	18	18	18	18	18
	Max	18	18	18	18	18	18	18	18	18	18	18	18	18

MIT_BATES

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Vol	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Max	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	9	9	9	9	9	9	9	9	9	9	9	9	9
	Vol	9	9	9	9	9	9	9	9	9	9	9	9	9
	Max	18	18	18	18	18	18	18	18	18	18	18	18	18

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

KAPL_SHIPYDS

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_III	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

LBL

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Vol	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
	Max	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.	16.
CH_LLW_III	Min	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	18	18	18	18	18	18	18	18	18	18	18	18
	Vol	18	18	18	18	18	18	18	18	18	18	18	18
	Max	18	18	18	18	18	18	18	18	18	18	18	18

MIT_BATES

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Vol	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
	Max	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4	18.4
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	9	9	9	9	9	9	9	9	9	9	9	9
	Vol	9	9	9	9	9	9	9	9	9	9	9	9
	Max	18	18	18	18	18	18	18	18	18	18	18	18

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

PADUCAH ES

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	356		4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	713		9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	1,069		14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	356		5	5	5	5	5	5	5	5	5	5	5
	Vol	713		10	10	10	10	10	10	10	10	10	10	10
	Max	1,069		14	14	14	14	14	14	14	14	14	14	14

PEARL HARBOR

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLMW_I	Min	5							4.5					
	Vol	5							4.5					
	Max	5							4.5					
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	5							5					
	Vol	5							5					
	Max	5							5					

PORTLAND

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	17,378		203.	518.	518.	518.	518.	518.	483.5	483.5	483.5	483.5	483.5
	Vol	34,756		406.	1,036.	1,036.	1,036.	1,036.	1,036.	967.	967.	967.	967.	967.
	Max	66,719		609.	1,554.	1,554.	1,554.	1,554.	1,554.	1,934.	1,934.	1,934.	1,934.	1,934.
CH_LLW_III	Min	27								9.	9.	9.		
	Vol	54								18.	18.	18.		
	Max	81								27.	27.	27.		
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	17,405		203	518	518	518	518	518	493	493	493	484	484
	Vol	34,810		406	1,036	1,036	1,036	1,036	1,036	985	985	985	967	967
	Max	66,800		609	1,554	1,554	1,554	1,554	1,554	1,961	1,961	1,961	1,934	1,934

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

PADUCAH_ES

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	14	14	14	14	14	14	14	14	14	14	14	14	14

PEARL_HARBOR

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

PORTSMOUTH_ES

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	483.5	483.5	483.5	483.5	483.5	300.	300.	300.	300.	300.	300.	150.	150.
	Vol	967.	967.	967.	967.	967.	600.	600.	600.	600.	600.	600.	300.	300.
	Max	1,934.	1,934.	1,934.	1,934.	1,934.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	600.	600.
CH_LLW_III	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	484	484	484	484	484	300	300	300	300	300	300	150	150
	Vol	967	967	967	967	967	600	600	600	600	600	600	300	300
	Max	1,934	1,934	1,934	1,934	1,934	1,200	1,200	1,200	1,200	1,200	1,200	600	600

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

PADUCAH_ES

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	14	14	14	14	14	14	14	14	14	14	14	14	14

PEARL_HARBOR

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

PORTSMOUTH_ES

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
CH_LLW_III	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	150	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	600	600	600	600	600	600	600	600	600	600	600	600	600

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

PADUCAH_ES

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	14	14	14	14	14	14	14	14	14	14	14	14	14

PEARL_HARBOR

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

PORTSMOUTH_ES

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
CH_LLW_III	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	150	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	600	600	600	600	600	600	600	600	600	600	600	600	600

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

PADUCAH_ES

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	5	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10	10
	Max	14	14	14	14	14	14	14	14	14	14	14	14	14

PEARL_HARBOR

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

PORTSMOUTH_ES

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
CH_LLW_III	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	150	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300	300
	Max	600	600	600	600	600	600	600	600	600	600	600	600	600

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

PADUCAH_ES

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
	Vol	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
	Max	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	5	5	5	5	5	5	5	5	5	5	5	5
	Vol	10	10	10	10	10	10	10	10	10	10	10	10
	Max	14	14	14	14	14	14	14	14	14	14	14	14

PEARL_HARBOR

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLMW_I	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

PORTSMOUTH_ES

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
CH_LLW_III	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	150	150	150	150	150	150	150	150	150	150	150	150
	Vol	300	300	300	300	300	300	300	300	300	300	300	300
	Max	600	600	600	600	600	600	600	600	600	600	600	600

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite													
PORTSMOUTH, NH													
Class													
Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
CH_LLMW_I													
Min	1						1.3						
Vol	1						1.3						
Max	1						1.3						
Generator													
Total													
Held													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
Min	1						1						
Vol	1						1						
Max	1						1						

Class													
Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
CH_LLMW_I													
Min	90	300	300	180	90	60	60	60	60	60	60	90	
Vol	6,000	300	600	600	300	200	200	200	200	200	200	300	
Max	24,570	390	900	900	600	260	260	260	260	260	260	450	
Generator													
Total													
Held													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
Min	90	300	300	180	90	60	60	60	60	60	60	90	
Vol	6,000	300	600	600	300	200	200	200	200	200	200	300	
Max	24,570	390	900	900	600	260	260	260	260	260	260	450	

Class													
Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	
CH_LLMW_I													
Min	27						26.6						
Vol	27						26.6						
Max	27						26.6						
Generator													
Total													
Held													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
Min	27						26.6						
Vol	27						26.6						
Max	27						26.6						

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

PORTSMOUTH_NS

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

PRINCETON

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	300.	300.	90.	60.	60.	60.	60.	60.	60.	90.	300.	300.	90.
	Vol	600.	600.	300.	200.	200.	200.	200.	200.	200.	300.	600.	600.	300.
	Max	900.	900.	450.	260.	260.	260.	260.	260.	260.	450.	900.	900.	450.
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	300	300	90	60	60	60	60	60	60	90	300	300	90
	Vol	600	600	300	200	200	200	200	200	200	300	600	600	300
	Max	900	900	450	260	260	260	260	260	260	450	900	900	450

PUGET_SOUND

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

PORTSMOUTH_NS

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

PRINCETON

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Vol	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.
	Max	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	60	60	60	60	60	60	60	60	60	60	60	60	60
	Vol	200	200	200	200	200	200	200	200	200	200	200	200	200
	Max	260	260	260	260	260	260	260	260	260	260	260	260	260

PUGET_SOUND

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

PORTSMOUTH_NS

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

PRINCETON

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Vol	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.
	Max	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	60	60	60	60	60	60	60	60	60	60	60	60	60
	Vol	200	200	200	200	200	200	200	200	200	200	200	200	200
	Max	260	260	260	260	260	260	260	260	260	260	260	260	260

PUGET_SOUND

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

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Offsite

PORTSMOUTH_NS

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

PRINCETON

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Vol	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.
	Max	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	60	60	60	60	60	60	60	60	60	60	60	60	60
	Vol	200	200	200	200	200	200	200	200	200	200	200	200	200
	Max	260	260	260	260	260	260	260	260	260	260	260	260	260

PUGET_SOUND

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

PORTSMOUTH_NS

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

PRINCETON

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	
	Vol	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	200.	
	Max	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	260.	
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	60	60	60	60	60	60	60	60	60	60	60	60	
	Vol	200	200	200	200	200	200	200	200	200	200	200	200	
	Max	260	260	260	260	260	260	260	260	260	260	260	260	

PUGET_SOUND

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Offsite

FWW & NOCA

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	735		25.	116.	230.4	309.6	54.4						
	Vol	926	13	25.	145.	288.	387.	68.						
	Max	1,116		37.5	174.	345.6	464.4	81.6						
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	735	0	25	116	230	310	54						
	Vol	926	13	25	145	288	387	68						
	Max	1,116		38	174	346	464	82						

STANFORD

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	1,417		87.9	87.9	44.	87.9	8.6	17.2	8.6	17.2	8.6	17.2	8.6
	Vol	1,749	176	87.9	87.9	87.9	87.9	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	2,467		175.8	175.8	87.9	131.9	17.2	25.8	17.2	25.8	17.2	25.8	17.2
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,417	0	88	88	44	88	9	17	9	17	9	17	9
	Vol	1,749	176	88	88	88	88	17	17	17	17	17	17	17
	Max	2,467		176	176	88	132	17	26	17	26	17	26	17

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min													
	Vol	20		.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	59		.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0	0	0	0	0	0	0	0	0	0	0
	Vol	20		0	0	0	0	0	0	0	0	0	0	0
	Max	59		1	1	1	1	1	1	1	1	1	1	1

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	99,384	0	1,114	1,638	1,636	1,648	2,002	2,925	2,847	2,836	2,809	985	1,016
	Vol	171,174	229	3,239	3,400	3,816	3,422	5,579	4,986	4,101	3,979	3,859	1,962	2,076
	Max	235,809		4,236	4,854	5,166	4,832	6,573	6,774	6,342	6,163	5,967	3,151	3,341

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

RKW_CANOGA

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

STANFORD

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	17.2	8.6	17.2	8.6	17.2	8.6	17.2	8.6	17.2	8.6	17.2	8.6	17.2
	Vol	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	25.8	17.2	25.8	17.2	25.8	17.2	25.8	17.2	25.8	17.2	25.8	17.2	25.8
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	17	9	17	9	17	9	17	9	17	9	17	9	17
	Vol	17	17	17	17	17	17	17	17	17	17	17	17	17
	Max	26	17	26	17	26	17	26	17	26	17	26	17	26

U_U

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1,254	1,266	1,086	1,078	1,101	934	968	987	1,033	1,075	1,326	1,200	1,033
	Vol	2,400	2,426	2,153	2,088	2,108	1,775	1,805	1,839	1,884	2,012	2,352	2,092	1,836
	Max	3,829	3,851	3,441	3,292	3,318	2,615	2,660	2,692	2,762	2,970	3,476	2,916	2,527

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Offsite

RKW_CANOGA

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

STANFORD

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	8.6	17.2	8.6	17.2	8.6	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Vol	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	17.2	25.8	17.2	25.8	17.2	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	9	17	9	17	9	17	17	17	17	17	17	17	17
	Vol	17	17	17	17	17	17	17	17	17	17	17	17	17
	Max	17	26	17	26	17	26	26	26	26	26	26	26	26

U_U

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

Program		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	1,040	1,078	1,110	1,161	1,196	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261
	Vol	1,791	1,829	1,880	1,933	1,988	2,056	2,056	2,056	2,056	2,056	2,056	2,050	2,050
	Max	2,402	2,449	2,501	2,573	2,631	2,728	2,728	2,728	2,728	2,728	2,728	2,723	2,723

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

RKW_CANOGA

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

STANFORD

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Vol	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	17	17	17	17	17	17	17	17	17	17	17	17	17
	Vol	17	17	17	17	17	17	17	17	17	17	17	17	17
	Max	26	26	26	26	26	26	26	26	26	26	26	26	26

U_U

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261
	Vol	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050
	Max	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723

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RKW_CANOGA

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

STANFORD

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Vol	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	17	17	17	17	17	17	17	17	17	17	17	17	17
	Vol	17	17	17	17	17	17	17	17	17	17	17	17	17
	Max	26	26	26	26	26	26	26	26	26	26	26	26	26

U_U

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1	1

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261
	Vol	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050
	Max	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723

Appendix F: Annual Waste Generator, Waste Class Volumes

Offsite

RKW_CANOGA

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

STANFORD

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Vol	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	17	17	17	17	17	17	17	17	17	17	17	17
	Vol	17	17	17	17	17	17	17	17	17	17	17	17
	Max	26	26	26	26	26	26	26	26	26	26	26	26

U_U

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min												
	Vol	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Max	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	0	0	0	0	0	0	0	0	0	0	0	0
	Max	1	1	1	1	1	1	1	1	1	1	1	1

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261
	Vol	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050	2,050
	Max	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723	2,723

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

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Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	22,500		300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	45,000		600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	90,000		1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
CH_LLW_III	Min	2,250		30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	4,500		60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	9,000		120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
RH_LLW_I	Min	605		15.	15.	15.	15.	10.	10.	10.	10.	10.	7.5	7.5
	Vol	1,210		30.	30.	30.	30.	20.	20.	20.	20.	20.	15.	15.
	Max	2,420		60.	60.	60.	60.	40.	40.	40.	40.	40.	30.	30.
RH_LLW_III	Min	1,285		42.5	42.5	42.5	42.5	25.	25.	25.	25.	25.	15.	15.
	Vol	2,570		85.	85.	85.	85.	50.	50.	50.	50.	50.	30.	30.
	Max	5,140		170.	170.	170.	170.	100.	100.	100.	100.	100.	60.	60.
RH_LLW_GTCIII	Min	175		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	350		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	700		20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
CH_LLMW_I	Min	750		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	1,500		20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	3,000		40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
CH_LLMW_III	Min	375		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	750		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	1,500		20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
RH_LLMW_I	Min	38		.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	75		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	150		2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
RH_LLMW_III	Min	75		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	150		2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	300		4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
RH_LLMW_GTCIII	Min	263		7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	525		15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	1,050		30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
CH_TRU	Min	175		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	350		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	700		20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
RH_TRU	Min	88		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Vol	175		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	350		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
CH_TRUM	Min	18		.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	35		1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	70		2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
RH_TRUM	Min	88		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Vol	175		5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	350		10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	28,683		427	427	427	427	405	405	405	405	405	392	392
	Vol	57,365		854	854	854	854	809	809	809	809	809	784	784
	Max	114,730		1,708	1,708	1,708	1,708	1,618	1,618	1,618	1,618	1,618	1,568	1,568

Appendix F: Annual Waste Generator, Waste Class Volumes

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Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
CH_LLW_III	Min	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
RH_LLW_I	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
RH_LLW_III	Min	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
RH_LLW_GTCIII	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
CH_LLMW_I	Min	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
CH_LLMW_III	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
RH_LLMW_I	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
RH_LLMW_III	Min	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
RH_LLMW_GTCIII	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
CH_TRU	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
RH_TRU	Min	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
CH_TRUM	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
RH_TRUM	Min	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Max	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	392	392	392	392	392	392	392	392	392	392	392	392	392
	Vol	784	784	784	784	784	784	784	784	784	784	784	784	784
	Max	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568

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Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
CH_LLW_III	Min	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
RH_LLW_I	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
RH_LLW_III	Min	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
RH_LLW_GTCIII	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.		
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.		
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.		
CH_LLMW_I	Min	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
CH_LLMW_III	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
RH_LLMW_I	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
RH_LLMW_III	Min	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
RH_LLMW_GTCIII	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5		
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.		
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.		
CH_TRU	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.		
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.		
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.		
RH_TRU	Min	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.		
	Max	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.		
CH_TRUM	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5		
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.		
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.		
RH_TRUM	Min	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5		
	Vol	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.		
	Max	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.		
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	392	392	392	392	392	392	392	392	392	392	392	369	369
	Vol	784	784	784	784	784	784	784	784	784	784	784	738	738
	Max	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,476	1,476

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Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
CH_LLW_III	Min	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
RH_LLW_I	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
RH_LLW_III	Min	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
RH_LLW_GTCIII	Min													
	Vol													
	Max													
CH_LLMW_I	Min	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
CH_LLMW_III	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
RH_LLMW_I	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
RH_LLMW_III	Min	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
RH_LLMW_GTCIII	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	369	369	369	369	369	369	369	369	369	369	369	369	369
	Vol	738	738	738	738	738	738	738	738	738	738	738	738	738
	Max	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Pacific Northwest National Laboratory

PNNL

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
CH_LLW_III	Min	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
RH_LLW_I	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
RH_LLW_III	Min	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
RH_LLW_GTCIII	Min													
	Vol													
	Max													
CH_LLMW_I	Min	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
CH_LLMW_III	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
RH_LLMW_I	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
RH_LLMW_III	Min	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
RH_LLMW_GTCIII	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	369	369	369	369	369	369	369	369	369	369	369	369	369
	Vol	738	738	738	738	738	738	738	738	738	738	738	738	738
	Max	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476

Pacific Northwest National Laboratory

PNNL

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Vol	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.	600.
	Max	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.	1,200.
CH_LLW_III	Min	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Vol	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
	Max	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.	120.
RH_LLW_I	Min	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5
	Vol	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Max	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
RH_LLW_III	Min	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.	15.
	Vol	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.	30.
	Max	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.	60.
RH_LLW_GTCIII	Min												
	Vol												
	Max												
CH_LLMW_I	Min	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Vol	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
	Max	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.	40.
CH_LLMW_III	Min	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.
	Vol	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.	10.
	Max	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.	20.
RH_LLMW_I	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
RH_LLMW_III	Min	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Vol	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
	Max	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.	4.
RH_LLMW_GTCIII	Min												
	Vol												
	Max												
CH_TRU	Min												
	Vol												
	Max												
RH_TRU	Min												
	Vol												
	Max												
CH_TRUM	Min												
	Vol												
	Max												
RH_TRUM	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	369	369	369	369	369	369	369	369	369	369	369	369
	Vol	738	738	738	738	738	738	738	738	738	738	738	738
	Max	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Pacific Northwest National Laboratory

<i>Program</i>	Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Min	28,683		427	427	427	427	405	405	405	405	405	392	392
Vol	57,365		854	854	854	854	809	809	809	809	809	784	784
Max	114,730		1,708	1,708	1,708	1,708	1,618	1,618	1,618	1,618	1,618	1,568	1,568

Appendix F: Annual Waste Generator, Waste Class Volumes

Pacific Northwest National Laboratory

<i>Program</i>	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Min	392	392	392	392	392	392	392	392	392	392	392	392	392
Vol	784	784	784	784	784	784	784	784	784	784	784	784	784
Max	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Pacific Northwest National Laboratory

<i>Program</i>	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Min	392	392	392	392	392	392	392	392	392	392	392	369	369
Vol	784	784	784	784	784	784	784	784	784	784	784	738	738
Max	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,568	1,476	1,476

Appendix F: Annual Waste Generator, Waste Class Volumes

Pacific Northwest National Laboratory

<i>Program</i>	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Min	369	369	369	369	369	369	369	369	369	369	369	369	369
Vol	738	738	738	738	738	738	738	738	738	738	738	738	738
Max	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Pacific Northwest National Laboratory

<i>Program</i>	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Min	369	369	369	369	369	369	369	369	369	369	369	369	369
Vol	738	738	738	738	738	738	738	738	738	738	738	738	738
Max	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476

Appendix F: Annual Waste Generator, Waste Class Volumes

Pacific Northwest National Laboratory

<i>Program</i>	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
Min	369	369	369	369	369	369	369	369	369	369	369	369
Vol	738	738	738	738	738	738	738	738	738	738	738	738
Max	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476	1,476

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RCRA Monitoring

WHC WELL DRL

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	6,750		90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	22,500		300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	33,750		450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
CH_LLMW_I	Min	1,013		13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	2,025		27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	6,075		81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
HAZ	Min	11,250		150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	22,500		300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	28,125		375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	19,013		254	254	254	254	254	254	254	254	254	254	254
	Vol	47,025		627	627	627	627	627	627	627	627	627	627	627
	Max	67,950		906	906	906	906	906	906	906	906	906	906	906

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	19,013		254	254	254	254	254	254	254	254	254	254	254
	Vol	47,025		627	627	627	627	627	627	627	627	627	627	627
	Max	67,950		906	906	906	906	906	906	906	906	906	906	906

Appendix F: Annual Waste Generator, Waste Class Volumes

RCRA Monitoring

WHC_WELL_DRL

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
CH_LLMW_I	Min	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
HAZ	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	254	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906	906

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	254	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906	906

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RCRA Monitoring

WHC_WELL_DRL

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
CH_LLMW_I	Min	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
HAZ	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	254	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906	906

Program		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	254	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906	906

Appendix F: Annual Waste Generator, Waste Class Volumes

RCRA Monitoring

WHC_WELL_DRL

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
CH_LLMW_I	Min	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
HAZ	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	254	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906	906

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	254	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906	906

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

RCRA Monitoring

WHC_WELL_DRL

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
CH_LLMW_I	Min	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
HAZ	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	254	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906	906

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	254	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906	906

Appendix F: Annual Waste Generator, Waste Class Volumes

RCRA Monitoring

WHC_WELL_DRL

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.	90.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.	450.
CH_LLMW_I	Min	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5	13.5
	Vol	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.	27.
	Max	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.	81.
HAZ	Min	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.	150.
	Vol	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.	300.
	Max	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.	375.
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	254	254	254	254	254	254	254	254	254	254	254	254
	Vol	627	627	627	627	627	627	627	627	627	627	627	627
	Max	906	906	906	906	906	906	906	906	906	906	906	906

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Solid Waste

WHC LLBG

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min													
	Vol	465		6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	465		6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
CH_LLMW_I	Min													
	Vol	82			3.3			3.3			3.3			3.3
	Max	82			3.3			3.3			3.3			3.3
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0	0	0	0	0	0	0	0	0	0	0
	Vol	547		6	10	6	6	10	6	6	10	6	6	10
	Max	547		6	10	6	6	10	6	6	10	6	6	10

WHC T PLANT

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	2,038		67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
	Vol	2,547		84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
	Max	5,094		169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8
RH_LLW_I	Min													
	Vol	71		14.2	14.2	14.2	14.2	14.2						
	Max	71		14.2	14.2	14.2	14.2	14.2						
CH_LLMW_I	Min	106		3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Vol	213		7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
	Max	426		14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
RH_LLMW_I	Min													
	Vol	71		14.2	14.2	14.2	14.2	14.2						
	Max	71		14.2	14.2	14.2	14.2	14.2						
RH_TRUM	Min													
	Vol	28			7.1	7.1	7.1	7.1						
	Max	57			14.2	14.2	14.2	14.2						
HAZ	Min	21		.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
	Vol	42		1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	Max	63		2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,165		72	72	72	72	72	72	72	72	72	72	72
	Vol	2,972		122	129	129	129	129	93	93	93	93	93	93
	Max	5,782		215	229	229	229	229	186	186	186	186	186	186

Appendix F: Annual Waste Generator, Waste Class Volumes

Solid Waste

WHC_LLBG

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
CH_LLMW_I	Min													
	Vol			3.3			3.3			3.3			3.3	
	Max			3.3			3.3			3.3			3.3	
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	6	10	6	6	10	6	6	10	6	6	10	6
	Max	6	6	10	6	6	10	6	6	10	6	6	10	6

WHC_T_PLANT

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
	Vol	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
	Max	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8	169.8
RH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
	Vol	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
	Max	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
RH_LLMW_I	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
HAZ	Min	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7	.7
	Vol	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
	Max	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	72	72	72	72	72	72	72	72	72	72	72	72	72
	Vol	93	93	93	93	93	93	93	93	93	93	93	93	93
	Max	186	186	186	186	186	186	186	186	186	186	186	186	186

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Solid Waste

WHC_LLBG

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
CH_LLMW_I	Min													
	Vol		3.3			3.3			3.3			3.3		
	Max		3.3			3.3			3.3			3.3		
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	10	6	6	10	6	6	10	6	6	10	6	6
	Max	6	10	6	6	10	6	6	10	6	6	10	6	6

WHC_T_PLANT

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	67.9	67.9	67.9	67.9	67.9	67.9							
	Vol	84.9	84.9	84.9	84.9	84.9	84.9							
	Max	169.8	169.8	169.8	169.8	169.8	169.8							
RH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min	3.6	3.6	3.6	3.6	3.6	3.6							
	Vol	7.1	7.1	7.1	7.1	7.1	7.1							
	Max	14.2	14.2	14.2	14.2	14.2	14.2							
RH_LLMW_I	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
HAZ	Min	.7	.7	.7	.7	.7	.7							
	Vol	1.4	1.4	1.4	1.4	1.4	1.4							
	Max	2.1	2.1	2.1	2.1	2.1	2.1							
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	72	72	72	72	72	72							
	Vol	93	93	93	93	93	93							
	Max	186	186	186	186	186	186							

Appendix F: Annual Waste Generator, Waste Class Volumes

Solid Waste

WHC_LLBG

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
CH_LLMW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	3.3			3.3			3.3			3.3			3.3
	Max	3.3			3.3			3.3			3.3			3.3
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	10	6	6	10	6	6	10	6	6	10	6	6	10
	Max	10	6	6	10	6	6	10	6	6	10	6	6	10

WHC_T_PLANT

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Solid Waste

WHC_LLBG

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
CH_LLMW_I	Min													
	Vol			3.3			3.3			3.3			3.3	
	Max			3.3			3.3			3.3			3.3	
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	6	10	6	6	10	6	6	10	6	6	10	6
	Max	6	6	10	6	6	10	6	6	10	6	6	10	6

WHC_T_PLANT

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Solid Waste

WHC_LLBG

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.
	Vol	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
	Max	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
CH_LLMW_I	Min	.	.	.	.	.	.	.	.	.	.	.	.
	Vol		3.3			3.3			3.3			3.3	
	Max		3.3			3.3			3.3			3.3	
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	10	6	6	10	6	6	10	6	6	10	6
	Max	6	10	6	6	10	6	6	10	6	6	10	6

WHC_T_PLANT

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min												
	Vol												
	Max												
RH_LLW_I	Min												
	Vol												
	Max												
CH_LLMW_I	Min												
	Vol												
	Max												
RH_LLMW_I	Min												
	Vol												
	Max												
RH_TRUM	Min												
	Vol												
	Max												
HAZ	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Solid Waste

WHC TRUSAF

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min													
	Vol	10		2.8	6.7									
	Max	10		2.8	6.7									
CH_LLMW_I	Min													
	Vol	29			28.8									
	Max	29			28.8									

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	0		0	0									
	Vol	38		3	36									
	Max	38		3	36									

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	2,165		72	72	72	72	72	72	72	72	72	72	72
	Vol	3,558		131	174	135	135	138	100	100	103	100	100	103
	Max	6,368		224	274	235	235	238	192	192	196	192	192	196

Appendix F: Annual Waste Generator, Waste Class Volumes

Solid Waste

WHC_TRUSAF

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	72	72	72	72	72	72	72	72	72	72	72	72	72
	Vol	100	100	103	100	100	103	100	100	103	100	100	103	100
	Max	192	192	196	192	192	196	192	192	196	192	192	196	192

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Solid Waste

WHC_TRUSAF

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Program		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	72	72	72	72	72	72	0	0	0	0	0	0	0
	Vol	100	103	100	100	103	100	6	10	6	6	10	6	6
	Max	192	196	192	192	196	192	6	10	6	6	10	6	6

Appendix F: Annual Waste Generator, Waste Class Volumes

Solid Waste

WHC_TRUSAF

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	10	6	6	10	6	6	10	6	6	10	6	6	10
	Max	10	6	6	10	6	6	10	6	6	10	6	6	10

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Solid Waste

WHC_TRUSAF

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	0	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	6	10	6	6	10	6	6	10	6	6	10	6
	Max	6	6	10	6	6	10	6	6	10	6	6	10	6

Appendix F: Annual Waste Generator, Waste Class Volumes

Solid Waste

WHC_TRUSAF

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
CH_LLW_I	Min												
	Vol												
	Max												
CH_LLMW_I	Min												
	Vol												
	Max												
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min												
	Vol												
	Max												

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
	Min	0	0	0	0	0	0	0	0	0	0	0	0
	Vol	6	10	6	6	10	6	6	10	6	6	10	6
	Max	6	10	6	6	10	6	6	10	6	6	10	6

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Spent Nuclear Fuel

WHC_K_OPER

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	444		155.2	111.2	87.2	40.	40.	10.					
	Vol	533		172.4	139.	109.	50.	50.	12.5					
	Max	550		189.6	139.	109.	50.	50.	12.5					
CH_LLW_III	Min	329		62.7	62.7	62.7	62.7	62.7	15.7					
	Vol	658		125.4	125.4	125.4	125.4	125.4	31.4					
	Max	988		188.1	188.1	188.1	188.1	188.1	47.					
RH_LLW_III	Min	13		13.4										
	Vol	19		19.2										
	Max	24		24.										
CH_LLMW_I	Min	5		1.	1.	1.	1.	1.	.3					
	Vol	7		1.3	1.3	1.3	1.3	1.3	.3					
	Max	8		1.4	1.4	1.4	1.4	1.4	.4					
CH_TRU	Min	165		25.1	32.8	32.8	32.8	32.8	8.2					
	Vol	206		31.4	41.	41.	41.	41.	10.3					
	Max	247		37.7	49.2	49.2	49.2	49.2	12.3					
RH_TRU	Min	30			30.3									
	Vol	36			35.7									
	Max	43			42.8									
HAZ	Min	10		2.	2.	2.	2.	2.	.5					
	Vol	14		2.6	2.6	2.6	2.6	2.6	.7					
	Max	17		3.3	3.3	3.3	3.3	3.3	.8					

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	997		259	240	186	138	138	35					
	Vol	1,472		352	345	279	220	220	55					
	Max	1,876		444	424	351	292	292	73					

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	188		39.3	36.6	55.2	33.6	22.8						
	Vol	313		65.5	61.	92.	56.	38.						
	Max	437		91.7	85.4	128.8	78.4	53.2						
CH_TRU	Min													
	Vol			.3										
	Max			.3										

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	188		39	37	55	34	23						
	Vol	313		66	61	92	56	38						
	Max	438		92	85	129	78	53						

Spent Nuclear Fuel

WHC_K_OPER

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

WHC_K_PROJECT

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Spent Nuclear Fuel

WHC_K_OPER

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

WHC_K_PROJECT

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

WHC_K_OPER

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

WHC_K_PROJECT

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													

Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

WHC_K_OPER

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_K_PROJECT

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Spent Nuclear Fuel

WHC_K_OPER

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

WHC_K_PROJECT

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Spent Nuclear Fuel

<i>Program</i>	<i>Total</i>	<i>Held</i>	<i>1996</i>	<i>1997</i>	<i>1998</i>	<i>1999</i>	<i>2000</i>	<i>2001</i>	<i>2002</i>	<i>2003</i>	<i>2004</i>	<i>2005</i>	<i>2006</i>
Min	1,184		299	277	241	172	161	35					
Vol	1,785		418	406	371	276	258	55					
Max	2,314		536	509	480	370	345	73					

Appendix F: Annual Waste Generator, Waste Class Volumes

Spent Nuclear Fuel

<i>Program</i>	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Spent Nuclear Fuel

<i>Program</i>	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Min													
Vol													
Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

Spent Nuclear Fuel

<i>Program</i>	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
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Min

Vol

Max

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

Spent Nuclear Fuel

<i>Program</i>	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Min													
Vol													
Max													

Spent Nuclear Fuel

<i>Program</i>	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070 (end)
Min												
Vol												
Max												

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC DST_RET

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	336												
	Vol	672												
	Max	1,344												
RH_LLMW_III	Min	322												
	Vol	643												
	Max	1,287												
RH_LLMW_GTCIII	Min	56												
	Vol	112												
	Max	223												
RH_TRUM	Min	127												
	Vol	253												
	Max	506												
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	840												
	Vol	1,680												
	Max	3,360												

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_DST_RET

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min		36.7	37.5	62.9	26.2	41.9	36.7	36.7	36.7	21.			
	Vol		73.3	75.	125.7	52.4	83.8	73.3	73.3	73.3	41.9			
	Max		146.6	150.	251.4	104.8	167.6	146.6	146.6	146.6	83.8			
RH_LLMW_III	Min					22.4	221.2	22.4	22.4	22.4	11.2			
	Vol					44.7	442.3	44.7	44.7	44.7	22.3			
	Max					89.4	884.6	89.4	89.4	89.4	44.6			
RH_LLMW_GTCIII	Min		22.4	22.4	11.2									
	Vol		44.7	44.7	22.3									
	Max		89.4	89.4	44.6									
RH_TRUM	Min				115.4						11.2			
	Vol				230.8						22.3			
	Max				461.6						44.6			
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min		59	60	189	49	263	59	59	59	43			
	Vol		118	120	379	97	526	118	118	118	87			
	Max		236	239	758	194	1,052	236	236	236	173			

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_DST_RET

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_GTCIII	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_DST_RET

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_GTCIII	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_DST_RET

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_GTCIII	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_DST_RET

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_GTCIII	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WRC HLVP

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	3,933												
	Vol	8,316												
	Max	16,632												
CH_LLW_III	Min	7,087												
	Vol	14,983												
	Max	29,966												
RH_LLW_III	Min	1,110												
	Vol	2,348												
	Max	4,695												
CH_LLMW_I	Min	159												
	Vol	337												
	Max	673												
CH_LLMW_III	Min	217												
	Vol	459												
	Max	918												
CH_TRU	Min	513												
	Vol	1,084												
	Max	2,168												
RH_TRU	Min	437												
	Vol	923												
	Max	1,846												
CH_TRUM	Min	513												
	Vol	1,084												
	Max	2,168												
RH_TRUM	Min	491												
	Vol	1,038												
	Max	2,076												
HAZ	Min	41												
	Vol	87												
	Max	174												
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
		Min		14,501										
		Vol		30,658										
		Max		61,316										

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_HLVP

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min				224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
	Vol			449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5	449.5
	Max			899.	899.	899.	899.	899.	899.	899.	899.	899.	899.	899.
CH_LLW_III	Min				405.	405.	405.	405.	405.	405.	405.	405.	405.	405.
	Vol			809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9	809.9
	Max			1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.8
RH_LLW_III	Min				63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
	Vol			126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9	126.9
	Max			253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8	253.8
CH_LLMW_I	Min				9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
	Vol			18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2	18.2
	Max			36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
CH_LLMW_III	Min				12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4	12.4
	Vol			24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8	24.8
	Max			49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
CH_TRU	Min				29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
	Vol			58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
	Max			117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
RH_TRU	Min				25.	25.	25.	25.	25.	25.	25.	25.	25.	25.
	Vol			49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
	Max			99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
CH_TRUM	Min				29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
	Vol			58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
	Max			117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2	117.2
RH_TRUM	Min				28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1
	Vol			56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
	Max			112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
HAZ	Min				2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
	Vol			4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
	Max			9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min			0	829	829	829	829	829	829	829	829	829	829
	Vol			1,657	1,657	1,657	1,657	1,657	1,657	1,657	1,657	1,657	1,657	1,657
	Max			3,314	3,314	3,314	3,314	3,314	3,314	3,314	3,314	3,314	3,314	3,314

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TWRS

WHC_HLVP

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	224.8	224.8	224.8	224.8	224.8	224.8	168.6	112.4	56.2				
	Vol	449.5	449.5	449.5	449.5	449.5	449.5	337.1	224.8	112.4				
	Max	899.	899.	899.	899.	899.	899.	674.3	449.5	224.8				
CH_LLW_III	Min	405.	405.	405.	405.	405.	405.	303.7	202.5	101.2				
	Vol	809.9	809.9	809.9	809.9	809.9	809.9	607.4	405.	202.5				
	Max	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	1,619.81	214.9	809.9	405.				
RH_LLW_III	Min	63.5	63.5	63.5	63.5	63.5	63.5	47.6	31.7	15.9				
	Vol	126.9	126.9	126.9	126.9	126.9	126.9	95.2	63.5	31.7				
	Max	253.8	253.8	253.8	253.8	253.8	253.8	190.4	126.9	63.5				
CH_LLMW_I	Min	9.1	9.1	9.1	9.1	9.1	9.1	6.8	4.6	2.3				
	Vol	18.2	18.2	18.2	18.2	18.2	18.2	13.7	9.1	4.6				
	Max	36.4	36.4	36.4	36.4	36.4	36.4	27.3	18.2	9.1				
CH_LLMW_III	Min	12.4	12.4	12.4	12.4	12.4	12.4	9.3	6.2	3.1				
	Vol	24.8	24.8	24.8	24.8	24.8	24.8	18.6	12.4	6.2				
	Max	49.6	49.6	49.6	49.6	49.6	49.6	37.2	24.8	12.4				
CH_TRU	Min	29.3	29.3	29.3	29.3	29.3	29.3	22.	14.7	7.3				
	Vol	58.6	58.6	58.6	58.6	58.6	58.6	44.	29.3	14.7				
	Max	117.2	117.2	117.2	117.2	117.2	117.2	87.9	58.6	29.3				
RH_TRU	Min	25.	25.	25.	25.	25.	25.	18.7	12.5	6.2				
	Vol	49.9	49.9	49.9	49.9	49.9	49.9	37.4	25.	12.5				
	Max	99.8	99.8	99.8	99.8	99.8	99.8	74.9	49.9	25.				
CH_TRUM	Min	29.3	29.3	29.3	29.3	29.3	29.3	22.	14.7	7.3				
	Vol	58.6	58.6	58.6	58.6	58.6	58.6	44.	29.3	14.7				
	Max	117.2	117.2	117.2	117.2	117.2	117.2	87.9	58.6	29.3				
RH_TRUM	Min	28.1	28.1	28.1	28.1	28.1	28.1	21.	14.	7.				
	Vol	56.1	56.1	56.1	56.1	56.1	56.1	42.1	28.1	14.				
	Max	112.2	112.2	112.2	112.2	112.2	112.2	84.2	56.1	28.1				
HAZ	Min	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.2	.6				
	Vol	4.7	4.7	4.7	4.7	4.7	4.7	3.5	2.4	1.2				
	Max	9.4	9.4	9.4	9.4	9.4	9.4	7.1	4.7	2.4				
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	829	829	829	829	829	829	621	414	207				
	Vol	1,657	1,657	1,657	1,657	1,657	1,657	1,243	829	414				
	Max	3,314	3,314	3,314	3,314	3,314	3,314	2,486	1,657	829				

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS														
WHC_HLVP														
Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

TWRS

Class	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
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Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_HLVP

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
RH_TRU	Min													
	Vol													
	Max													
CH_TRUM	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC LLP

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	4,571												212.6
	Vol	9,567											425.2	425.2
	Max	19,134											850.4	850.4
CH_LLW_III	Min	1,523												70.9
	Vol	3,188											141.7	141.7
	Max	6,376											283.4	283.4
RH_LLW_III	Min	234												10.9
	Vol	491											21.8	21.8
	Max	981											43.6	43.6
CH_LLMW_I	Min	17												.8
	Vol	36											1.6	1.6
	Max	72											3.2	3.2
CH_LLMW_III	Min	11												.5
	Vol	23											1.	1.
	Max	45											2.	2.
HAZ	Min	37												1.7
	Vol	76											3.4	3.4
	Max	153											6.8	6.8
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	6,393											0	297
	Vol	13,381											595	595
	Max	26,762											1,189	1,189

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_LLVP

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6	212.6
	Vol	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2	425.2
	Max	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4	850.4
CH_LLW_III	Min	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
	Max	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
RH_LLW_III	Min	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9
	Vol	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.8
	Max	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
CH_LLMW_I	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Max	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
CH_LLMW_III	Min	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Vol	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
	Max	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.	2.
HAZ	Min	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
	Vol	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
	Max	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	297	297	297	297	297	297	297	297	297	297	297	297	297
	Vol	595	595	595	595	595	595	595	595	595	595	595	595	595
	Max	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189	1,189

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_LLVP

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	212.6	212.6	212.6	212.6	212.6	212.6	159.5	106.3	53.2				
	Vol	425.2	425.2	425.2	425.2	425.2	425.2	318.9	212.6	106.3				
	Max	850.4	850.4	850.4	850.4	850.4	850.4	637.8	425.2	212.6				
CH_LLW_III	Min	70.9	70.9	70.9	70.9	70.9	70.9	53.1	35.4	17.7				
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	106.3	70.9	35.4				
	Max	283.4	283.4	283.4	283.4	283.4	283.4	212.6	141.7	70.9				
RH_LLW_III	Min	10.9	10.9	10.9	10.9	10.9	10.9	8.2	5.5	2.7				
	Vol	21.8	21.8	21.8	21.8	21.8	21.8	16.4	10.9	5.5				
	Max	43.6	43.6	43.6	43.6	43.6	43.6	32.7	21.8	10.9				
CH_LLMW_I	Min	.8	.8	.8	.8	.8	.8	.6	.4	.2				
	Vol	1.6	1.6	1.6	1.6	1.6	1.6	1.2	.8	.4				
	Max	3.2	3.2	3.2	3.2	3.2	3.2	2.4	1.6	.8				
CH_LLMW_III	Min	.5	.5	.5	.5	.5	.5	.4	.3	.1				
	Vol	1.	1.	1.	1.	1.	1.	.8	.5	.3				
	Max	2.	2.	2.	2.	2.	2.	1.5	1.	.5				
HAZ	Min	1.7	1.7	1.7	1.7	1.7	1.7	1.3	.9	.4				
	Vol	3.4	3.4	3.4	3.4	3.4	3.4	2.6	1.7	.9				
	Max	6.8	6.8	6.8	6.8	6.8	6.8	5.1	3.4	1.7				
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	297	297	297	297	297	297	223	149	74				
	Vol	595	595	595	595	595	595	446	297	149				
	Max	1,189	1,189	1,189	1,189	1,189	1,189	892	595	297				

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_LLVP

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator

	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
Min													
Vol													
Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_LLVP

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_LLVP

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)

Min
Vol
Max

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC PRETHT TW

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	1,594											70.9	70.9
	Vol	3,330										141.7	141.7	141.7
	Max	6,660										283.4	283.4	283.4
CH_LLW_III	Min	1,594											70.9	70.9
	Vol	3,330										141.7	141.7	141.7
	Max	6,660										283.4	283.4	283.4
RH_LLW_III	Min	163											7.3	7.3
	Vol	341										14.5	14.5	14.5
	Max	682										29.	29.	29.
CH_LLMW_I	Min	9											.4	.4
	Vol	19										.8	.8	.8
	Max	38										1.6	1.6	1.6
CH_LLMW_III	Min	6											.3	.3
	Vol	12										.5	.5	.5
	Max	24										1.	1.	1.
HAZ	Min	18											.8	.8
	Vol	38										1.6	1.6	1.6
	Max	75										3.2	3.2	3.2
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	3,384										0	150	150
	Vol	7,069										301	301	301
	Max	14,138										602	602	602

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLMW_III	Min	19,790			192.8	108.4	117.9	130.	146.	175.2	195.8	413.3	392.	439.3
	Vol	32,983			321.4	180.6	196.5	216.7	243.3	292.	326.4	688.8	653.3	732.2
	Max	46,176			450.	252.8	275.1	303.4	340.6	408.8	457.	964.3	914.6	1,025.1
RH_TRUM	Min	6,166						41.4	46.4	55.8	62.3	131.5	124.7	139.9
	Vol	10,277						69.	77.4	93.	103.9	219.2	207.9	233.1
	Max	14,387						96.6	108.4	130.2	145.5	306.9	291.1	326.3
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	25,956			193	108	118	171	192	231	258	545	517	579
	Vol	43,260			321	181	197	286	321	385	430	908	861	965
	Max	60,563			450	253	275	400	449	539	602	1,271	1,206	1,351

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_PRETRT_TW

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
	Max	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
CH_LLW_III	Min	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7	141.7
	Max	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4	283.4
RH_LLW_III	Min	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.3
	Vol	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
	Max	29.	29.	29.	29.	29.	29.	29.	29.	29.	29.	29.	29.	29.
CH_LLMW_I	Min	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4	.4
	Vol	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Max	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
CH_LLMW_III	Min	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3	.3
	Vol	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5	.5
	Max	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.	1.
HAZ	Min	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8	.8
	Vol	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
	Max	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Min	150	150	150	150	150	150	150	150	150	150	150	150
		Vol	301	301	301	301	301	301	301	301	301	301	301	301
		Max	602	602	602	602	602	602	602	602	602	602	602	602

WHC_SST_LLE

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_III	Min	528.3	501.4	593.	653.	915.41	1,004.71	1,168.81	1,370.61	1,561.51	1,666.11	1,696.6	544.9	628.9
	Vol	880.5	835.6	988.31	1,088.31	1,525.71	1,674.51	1,948.	2,284.42	2,602.52	2,776.92	2,827.7	908.21	1,048.2
	Max	1,232.71	1,169.81	1,383.61	1,523.62	1,136.	2,344.32	2,727.23	1,198.23	1,643.53	1,887.73	1,958.81	1,271.51	1,467.5
RH_TRUM	Min	168.1	159.6	188.8	207.8	291.4	319.8	372.1	436.3	497.	530.3	540.1	173.5	200.2
	Vol	280.2	266.	314.6	346.4	485.6	533.	620.1	727.2	828.4	883.9	900.1	289.1	333.7
	Max	392.3	372.4	440.4	485.	679.8	746.2	868.11	1,018.11	1,159.81	1,237.51	1,260.1	404.7	467.2
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Min	696	661	782	861	1,207	1,325	1,541	1,807	2,059	2,196	2,237	829
		Vol	1,161	1,102	1,303	1,435	2,011	2,208	2,568	3,012	3,431	3,661	3,728	1,382
		Max	1,625	1,542	1,824	2,009	2,816	3,091	3,595	4,216	4,803	5,125	5,219	1,935

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TWRS

WHC_PRETRT_TW

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	70.9	70.9	70.9	70.9	70.9	70.9	53.1	35.4	17.7				
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	106.3	70.9	35.4				
	Max	283.4	283.4	283.4	283.4	283.4	283.4	212.6	141.7	70.9				
CH_LLW_III	Min	70.9	70.9	70.9	70.9	70.9	70.9	53.1	35.4	17.7				
	Vol	141.7	141.7	141.7	141.7	141.7	141.7	106.3	70.9	35.4				
	Max	283.4	283.4	283.4	283.4	283.4	283.4	212.6	141.7	70.9				
RH_LLW_III	Min	7.3	7.3	7.3	7.3	7.3	7.3	5.4	3.6	1.8				
	Vol	14.5	14.5	14.5	14.5	14.5	14.5	10.9	7.3	3.6				
	Max	29.	29.	29.	29.	29.	29.	21.8	14.5	7.3				
CH_LLMW_I	Min	.4	.4	.4	.4	.4	.4	.3	.2	.1				
	Vol	.8	.8	.8	.8	.8	.8	.6	.4	.2				
	Max	1.6	1.6	1.6	1.6	1.6	1.6	1.2	.8	.4				
CH_LLMW_III	Min	.3	.3	.3	.3	.3	.3	.2	.1	.1				
	Vol	.5	.5	.5	.5	.5	.5	.4	.3	.1				
	Max	1.	1.	1.	1.	1.	1.	.8	.5	.3				
HAZ	Min	.8	.8	.8	.8	.8	.8	.6	.4	.2				
	Vol	1.6	1.6	1.6	1.6	1.6	1.6	1.2	.8	.4				
	Max	3.2	3.2	3.2	3.2	3.2	3.2	2.4	1.6	.8				
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	150	150	150	150	150	150	113	75	38				
	Vol	301	301	301	301	301	301	226	150	75				
	Max	602	602	602	602	602	602	451	301	150				

WHC_SST_LLE

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_III	Min	728.5	876.11	1,013.81	1,013.81	1,013.8								
	Vol	1,214.21	1,460.11	1,689.61	1,689.61	1,689.6								
	Max	1,699.92	2,044.12	2,365.42	2,365.42	2,365.4								
RH_TRUM	Min	231.9	278.9	322.7	322.7	322.7								
	Vol	386.5	464.8	537.8	537.8	537.8								
	Max	541.1	650.7	752.9	752.9	752.9								
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	960	1,155	1,336	1,336	1,336								
	Vol	1,601	1,925	2,227	2,227	2,227								
	Max	2,241	2,695	3,118	3,118	3,118								

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_PRETRT_TW

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045

WHC_SST_LLE

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_III	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_PRETRT_TW

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058

Min
Vol
Max

WHC_SST_LLE

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_III	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058

Min
Vol
Max

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_PRETRT_TW

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
RH_LLW_III	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)

Min
Vol
Max

WHC_SST_LLE

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLMW_III	Min													
	Vol													
	Max													
RH_TRUM	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)

Min
Vol
Max

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHD SST RET

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	482			3.2							9.7	9.7	13.
	Vol	603			4.							12.1	12.1	16.2
	Max	724			4.8							14.5	14.5	19.4
CH_LLMW_I	Min	280			1.9							5.7	5.7	7.5
	Vol	351			2.4							7.1	7.1	9.4
	Max	421			2.9							8.5	8.5	11.3
CH_LLMW_III	Min	405			2.7							8.2	8.2	10.9
	Vol	507			3.4							10.2	10.2	13.6
	Max	608			4.1							12.2	12.2	16.3
RH_LLMW_I	Min	125			.8							2.5	2.5	3.4
	Vol	156			1.							3.1	3.1	4.2
	Max	187			1.2							3.7	3.7	5
RH_LLMW_III	Min	186			1.3							3.8	3.8	5
	Vol	232			1.6							4.7	4.7	6.2
	Max	279			1.9							5.6	5.6	7.4
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,479			10							30	30	40
	Vol	1,849			12							37	37	50
	Max	2,218			15							45	45	60

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_SST_RET

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	16.2	16.2	22.6	25.9	32.4	38.9	45.4	55.	64.8	64.8	64.8		
	Vol	20.2	20.2	28.3	32.4	40.5	48.6	56.7	68.8	81.	81.	81.		
	Max	24.2	24.2	34.	38.9	48.6	58.3	68.	82.6	97.2	97.2	97.2		
CH_LLMW_I	Min	9.4	9.4	13.2	15.	18.8	22.6	26.3	32.	37.6	37.6	37.6		
	Vol	11.8	11.8	16.5	18.8	23.5	28.2	32.9	40.	47.	47.	47.		
	Max	14.2	14.2	19.8	22.6	28.2	33.8	39.5	48.	56.4	56.4	56.4		
CH_LLMW_III	Min	13.6	13.6	19.	21.8	27.2	32.6	38.1	46.2	54.4	54.4	54.4		
	Vol	17.	17.	23.8	27.2	34.	40.8	47.6	57.8	68.	68.	68.		
	Max	20.4	20.4	28.6	32.6	40.8	48.	57.1	69.4	81.6	81.6	81.6		
RH_LLMW_I	Min	4.2	4.2	5.8	6.7	8.4	10.1	11.8	14.2	16.8	16.8	16.8		
	Vol	5.2	5.2	7.3	8.4	10.5	12.6	14.7	17.8	21.	21.	21.		
	Max	6.2	6.2	8.8	10.1	12.6	15.1	17.6	21.4	25.2	25.2	25.2		
RH_LLMW_III	Min	6.2	6.2	8.7	10.	12.5	15.	17.4	21.2	24.9	25.	24.9		
	Vol	7.8	7.8	10.9	12.5	15.6	18.7	21.8	26.5	31.1	31.2	31.1		
	Max	9.4	9.4	13.1	15.	18.7	22.4	26.2	31.8	37.3	37.4	37.3		
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	50	50	69	79	99	119	139	169	198	199	198		
	Vol	62	62	87	99	124	149	174	211	248	248	248		
	Max	74	74	104	119	149	179	208	253	298	298	298		

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_SST_RET

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_SST_RET

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_SST_RET

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_SST_RET

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC TF OPER

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	7,712		229.6	258.	258.	258.	258.	258.	258.	258.	258.	258.	258.
	Vol	9,640		287.	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5
	Max	33,738		1,004.51	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81	1,288.81
CH_LLMW_I	Min	3,818		110.9	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8
	Vol	4,773		138.6	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8
	Max	5,727		166.3	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
CH_LLMW_III	Min	1,644		47.7	55.	55.	55.	55.	55.	55.	55.	55.	55.	55.
	Vol	2,055		59.6	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
	Max	2,466		71.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
RH_LLMW_I	Min	941		28.8	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
	Vol	1,176		36.	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
	Max	1,411		43.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
RH_LLMW_III	Min	411		12.	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
	Vol	514		15.	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	617		18.	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
HAZ	Min	237		7.	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	Vol	592		17.4	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
	Max	1,183		34.8	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	14,762		436	494	494	494	494	494	494	494	494	494	494
	Vol	18,748		554	627	627	627	627	627	627	627	627	627	627
	Max	45,142		1,338	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	28		19.8	8.5									
	Vol	28		19.8	8.5									
	Max	57		39.6	17.									
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	28		20	9									
	Vol	28		20	9									
	Max	57		40	17									

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TF_OPER

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	258.	258.	258.	258.	258.	258.	258.	258.	258.	258.	258.	258.	258.
	Vol	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5	322.5
	Max	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.8
CH_LLMW_I	Min	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8	127.8
	Vol	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8	159.8
	Max	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8	191.8
CH_LLMW_III	Min	55.	55.	55.	55.	55.	55.	55.	55.	55.	55.	55.	55.	55.
	Vol	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
	Max	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
RH_LLMW_I	Min	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4	31.4
	Vol	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
	Max	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
RH_LLMW_III	Min	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
	Vol	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
	Max	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
HAZ	Min	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9	7.9
	Vol	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8	19.8
	Max	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Min	494	494	494	494	494	494	494	494	494	494	494	494
		Vol	627	627	627	627	627	627	627	627	627	627	627	627
		Max	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510	1,510

WHC_TWP_W030

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
		Min												
		Vol												
		Max												

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WHC_TF_OPER

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min	258.	258.	258.	258.	258.	258.							
	Vol	322.5	322.5	322.5	322.5	322.5	322.5							
	Max	1,128.81	1,128.81	1,128.81	1,128.81	1,128.81	1,128.8							
CH_LLMW_I	Min	127.8	127.8	127.8	127.8	127.8	127.8							
	Vol	159.8	159.8	159.8	159.8	159.8	159.8							
	Max	191.8	191.8	191.8	191.8	191.8	191.8							
CH_LLMW_III	Min	55.	55.	55.	55.	55.	55.							
	Vol	68.8	68.8	68.8	68.8	68.8	68.8							
	Max	82.6	82.6	82.6	82.6	82.6	82.6							
RH_LLMW_I	Min	31.4	31.4	31.4	31.4	31.4	31.4							
	Vol	39.3	39.3	39.3	39.3	39.3	39.3							
	Max	47.2	47.2	47.2	47.2	47.2	47.2							
RH_LLMW_III	Min	13.8	13.8	13.8	13.8	13.8	13.8							
	Vol	17.2	17.2	17.2	17.2	17.2	17.2							
	Max	20.6	20.6	20.6	20.6	20.6	20.6							
HAZ	Min	7.9	7.9	7.9	7.9	7.9	7.9							
	Vol	19.8	19.8	19.8	19.8	19.8	19.8							
	Max	39.6	39.6	39.6	39.6	39.6	39.6							

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min	494	494	494	494	494	494							
	Vol	627	627	627	627	627	627							
	Max	1,510	1,510	1,510	1,510	1,510	1,510							

WHC_TWP_W030

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TF_OPER

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

WHC_TWP_W030

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_TF_OPER

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_TWP_W030

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													

Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TF_OPER

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
RH_LLMW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
HAZ	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)

WHC_TWP_W030

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WMC TWP W05B

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	84		74.6	9.1									
	Vol	112		99.5	12.1									
	Max	140		124.4	15.1									
CH_LLW_III	Min	8		5.9	2.6									
	Vol	11		7.9	3.4									
	Max	14		9.9	4.3									
CH_TRU	Min	5		3.5	1.5									
	Vol	7		4.7	2.									
	Max	8		5.9	2.5									

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	97		84	13									
	Vol	130		112	18									
	Max	162		140	22									

WMC TWP W06B

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	2							2.1					
	Vol	4							4.1					
	Max	8							8.2					
RH_LLMW_III	Min	54							53.9					
	Vol	108							107.8					
	Max	216							215.6					

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	56							56					
	Vol	112							112					
	Max	224							224					

WMC TWP X00B

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	991		49.6	99.1	49.6	49.6	99.1	99.1	99.1	99.1	49.6	49.6	99.1
	Vol	1,982		99.1	198.2	99.1	99.1	198.2	198.2	198.2	198.2	99.1	99.1	198.2
	Max	3,964		198.2	396.4	198.2	198.2	396.4	396.4	396.4	396.4	198.2	198.2	396.4
RH_LLMW_III	Min	128			7.1	7.1	7.1	14.2	14.2	14.2	14.2	7.1	7.1	14.2
	Vol	255			14.2	14.2	14.2	28.3	28.3	28.3	28.3	14.2	14.2	28.3
	Max	510			28.4	28.4	28.4	56.6	56.6	56.6	56.6	28.4	28.4	56.6

Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	1,119		50	106	57	57	113	113	113	113	57	57	113
	Vol	2,237		99	212	113	113	227	227	227	227	113	113	227
	Max	4,474		198	425	227	227	453	453	453	453	227	227	453

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TWP_W058

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

WHC_TWP_W151

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

WHC_TWP_W211

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min	49.6	49.6	49.6										
	Vol	99.1	99.1	99.1										
	Max	198.2	198.2	198.2										
RH_LLMW_III	Min	7.1	7.1	7.1										
	Vol	14.2	14.2	14.2										
	Max	28.4	28.4	28.4										

Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	57	57	57										
	Vol	113	113	113										
	Max	227	227	227										

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_TWP_W058

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

WHC_TWP_W151

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

WHC_TWP_W211

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													

Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TWP_W058

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045

WHC_TWP_W151

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045

WHC_TWP_W211

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WHC_TWP_W058

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_TWP_W151

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_TWP_W211

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TWP_W058

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLW_III	Min													
	Vol													
	Max													
CH_TRU	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

WHC_TWP_W151

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

WHC_TWP_W211

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
RH_LLMW_III	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

FY1996 Solid Waste Integrated Life-Cycle Forecast Volume Summary

TWRS

WPC TWP W314

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLMW_I	Min	449					24.1	41.1	104.3	116.4	75.3	75.3	12.	
	Vol	4,485					240.7	410.61	1,043.41	1,163.8	753.2	753.2	120.3	
	Max	4,485					240.7	410.61	1,043.41	1,163.8	753.2	753.2	120.3	
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	449					24	41	104	116	75	75	12	
	Vol	4,485					241	411	1,043	1,164	753	753	120	
	Max	4,485					241	411	1,043	1,164	753	753	120	

WPC TWP W314

Class		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
CH_LLW_I	Min	67		21.8	37.	8.6								
	Vol	169		54.6	92.4	21.5								
	Max	337		109.2	184.8	43.								
CH_LLMW_III	Min	110		19.6	80.2	9.8								
	Vol	274		49.1	200.4	24.5								
	Max	274		49.1	200.4	24.5								
Generator		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	177		41	117	18								
	Vol	443		104	293	46								
	Max	611		158	385	68								

Program		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	69,240		631	942	677	693	820	960	955	941	1,201	1,260	1,674
	Vol	124,079		888	1,492	967	1,178	1,550	2,330	2,403	2,037	2,740	2,655	2,764
	Max	223,512		1,875	2,824	2,057	2,253	2,774	3,680	3,666	3,319	4,408	4,899	5,165

Grand Total		Total	Held	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
	Min	271,512	0	5,362	5,065	4,800	4,982	4,969	5,828	5,728	5,511	5,718	3,965	4,595
	Vol	488,243	229	9,881	9,631	9,464	9,394	11,348	11,124	10,350	9,550	9,989	8,022	8,508
	Max	785,923		14,817	15,638	14,955	14,903	16,477	16,991	16,714	15,625	16,196	13,857	14,681

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TWP_W314

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

WHC_TWP_W320

Class		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
Generator		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min													
	Vol													
	Max													

Program		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	1,744	1,768	1,909	2,900	3,125	3,477	3,509	3,805	4,086	4,209	4,206	2,489	2,599
	Vol	2,859	2,918	4,803	5,093	5,413	6,063	6,040	6,521	6,977	7,176	7,156	4,377	4,562
	Max	5,227	5,381	9,010	9,501	9,775	10,937	10,656	11,321	11,953	12,212	12,133	8,292	8,551

Grand Total		2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	Min	4,801	4,648	4,440	5,426	6,258	6,318	6,393	6,736	7,096	6,958	6,947	5,096	5,107
	Vol	8,853	8,423	9,868	10,097	11,158	11,168	11,180	11,723	12,261	12,417	12,344	9,301	9,292
	Max	15,059	13,981	17,034	17,417	19,070	18,384	18,152	18,878	19,615	20,468	19,946	15,540	15,472

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TWRS

WHC_TWP_W314

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

WHC_TWP_W320

Class		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
Generator		2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Min													
	Vol													
	Max													

Program	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Min	2,731	2,925	3,107	3,107	3,107	1,770	957	638	319				
Vol	4,781	5,105	5,408	5,408	5,408	3,180	1,915	1,276	638				
Max	8,857	9,311	9,734	9,734	9,734	6,616	3,829	2,553	1,276				

Grand Total	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Min	5,273	6,226	5,975	5,891	5,864	4,999	3,875	3,521	3,122	2,764	2,373	2,361	2,306
Vol	9,368	10,591	10,477	10,394	10,391	8,944	7,167	6,497	5,776	5,028	4,112	4,067	4,013
Max	15,430	17,348	17,356	17,292	17,291	17,692	14,295	12,987	11,628	10,172	6,678	6,588	6,533

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TWP_W314

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

WHC_TWP_W320

Class		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
Generator		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Program		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min													
	Vol													
	Max													

Grand Total		2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045
	Min	2,349	2,306	2,249	2,239	2,239	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,376
	Vol	4,059	3,996	3,866	3,859	3,855	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,996
	Max	6,579	6,504	5,634	5,627	5,624	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,764

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TWRS

WHC_TWP_W314

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

WHC_TWP_W320

Class		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
Generator		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Program		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min													
	Vol													
	Max													

Grand Total		2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
	Min	2,376	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196
	Vol	3,993	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,816	3,813
	Max	5,761	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,584	5,581

Appendix F: Annual Waste Generator, Waste Class Volumes

TWRS

WHC_TWP_W314

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLMW_I	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

WHC_TWP_W320

Class		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
CH_LLW_I	Min													
	Vol													
	Max													
CH_LLMW_III	Min													
	Vol													
	Max													
Generator		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Program		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min													
	Vol													
	Max													

Grand Total		2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	(end)
	Min	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	2,196	
	Vol	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,816	3,813	3,813	3,816	3,813	
	Max	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,584	5,581	5,581	5,584	5,581	

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G. FACILITIES BY WASTE GENERATOR

Analytical Services

WHC_ANALYT_LAB

222S Analytical Laboratory

Facility ID

Facility Name

222SD	Filter Bldg-North
222SA	222SA
222S	222S
222SC	222SC

WHC_WSCF

6266 Waste Sampling/Characterization

Facility ID

Facility Name

6265A	6265A <90 DAY STORAGE BUILDING
6268	6268 SAMPLE EQUIPMENT CLEANING
6266	6266 WSCF
6266A	6266A LIQUID WASTE RETENTION VAULT
6269	6269 MOBILE LABORATORY STORAGE BUILDING
622G	622G ATMOSPHERE SCIENCE ANNEX (WEATHER STATION)

EM-40 Environmental Restoration**BHI_SURPLS_FAC****ENV Restoration-Surplus Facilities**

Facility ID	Facility Name
109N	109N HEAT EXCHANGER BUILDING
104N	104N FACILITIES AUXILIARY SHOP
105N	105N
1301N	1301N
108N	108N CHEMICAL UNLOADING FACILITY
1101N	1101N ADMINISTRATION BUILDING
1102N	1102N DRAFTING OFFICE BUILDING
1120N	1120N
1143N	1143N CARPENTER SHOP
1170N	1170N
117N	117N AIR FILTER BUILDING CONFINEMENT
107N	107N DEMINERALIZER
181KE	181KE RIVER PUMP HOUSE
105KE	105KE REACTOR FACILITY
233S	233S
105KW	105KW REACTOR FACILITY
107K	107K RETENTION BASINS
165KE	165KE POWER CONTROL BLDG COLUMBIA RIVER MONITORING
100N	100N
1717K	1717K
100-NR-2	100-NR-2
181KW	181KW RIVER PUMP HOUSE
182KE	182KE FACILITY
183KE	183KE FILTER PLANT HEAD HOUSE
183KW	183KW FILTER PLANT HEAD HOUSE
190KE	190KE MAIN PUMP HOUSE
190KW	190KW MAIN PUMP HOUSE
100-NR-1	100-NR-1
1314N	1314N
1706KE	1706KE
202S	202S
1310N	1310N CHEMICAL WASTE STORAGE FACILITY
276U	276U
184N	184N PLANT SERVICE BOILER HOUSE
1100	1100
271U	271U
182N	182N HIGH LIFT PUMP HOUSE BUILDING
152U	152U DIVERSION BOX
181N	181N RIVER WATER PUMP HOUSE
207U	207U
211U	211U
212N	212N BUILDING
216U12	216U12
221U	221U
222U	222U
224U	224U U03
118C	118C BURIAL GROUND
1325N	1325N
1310P	1310P
105K	105K REACTOR FACILITY

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1322C	1322C CRIB EFFLUENT IODINE MONITORING FACILITY
1322N	1322N EFFLUENT VALVE DIVERSION BUILDING
1324N	1324N
183N	183N WATER FILTER PLANT BUILDING
300-FF-1	300-FF-1
100KW	100KW
1330N	1330N WASTE PAD
163PAD	163 WASTE PAD
166N	166N FUEL OIL STORAGE TANK AND UNLOADING PLATFORM
1705N	1705N INSTRUMENT & ELEC FACILITY
1706N	1706N STORAGE BUILDING
1712N	1712N INSULATION SHOP AND STORAGE BUILDING
1714N	1714N STORES
1723N	1723N WAREHOUSE
1324NA	1324NA
190D	190D
105DR	105DR
100-DR-2	100-DR-2
100D	100D
105D	105D
115D	115D
190C	190C
189F	189F
141C	141C
1608D	1608D
105KE-RP	105KE RAD PAD
1713D	1713D FACILITY
100KE	100KE
182D	182D RESERVOIR AND PUMP HOUSE
183D	183D FILTER PLANT POWER OPERATION FACILITY
189D	189D
117D	117D
100-BC-1	100-BC-1
118D	118D BURIAL GROUND
212B	212B
118DR	118DR BURIAL GROUND
118F	118F BURIAL GROUND
118H	118H BURIAL GROUND
100-DR-1	100-DR-1
1517N	1517N FACILITY
181D	181D RIVER PUMP HOUSE
1706	1706
1705	1705
100-BC-2	100-BC-2
100-BC-5	100-BC-5
111B	111B
182B	182B
100C	100C
105C	105C
118K	118K BURIAL GROUND
100-HR-3	100-HR-3
1703D	1703D
105H	105H
1608H	1608H
1713H	1713H WAREHOUSE

Appendix G: Facilities by Waste Generator

212R	212R
100H	100H
109H	109H
100-HR-1	100-HR-1
1705F	1705F
100F	100F
1608F	1608F
144F	144F
141F	141F
108F	108F
100-FR-1	100-FR-1
105F	105F
100-KR-4	100-KR-4
100-KR-1	100-KR-1
183H	183H SOLAR EVAPORATION BASINS
100-FR-3	100-FR-3

Facility Transitions

WHC_FFTF

FFTF/FMEF/MASF Maintenance

Facility ID	Facility Name
4710	4710 OPERATIONS SUPPORT BUILDING
4621W	4621W AUXILIARY EQUIPMENT BUILDING WEST
437	MASF - MAINTENANCE AND STORAGE FACILITY
4713B	4713B MAINTENANCE SHOP
440	440 HAZARDOUS WASTE PAD (<90 DAY STORAGE FAC)
4831	4831 FACILITY
484	484 CHILLER BUILDING
4713D	4713D MAINTENANCE STORAGE BUILDING
4843	4843 WAREHOUSE

WHC_FUEL_TRANS

300 Fuel Area Supply

Facility ID	Facility Name
333	333
303K	303K STORAGE FACILITY
313	313 Waste Acid Treatment System -WATS
303F	303F BUILDING

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Landlord (EM-60)

KHC_100

Kaiser Construction Services-100 Area

Facility ID	Facility Name	(Unconfirmed)
KEH	KAISER ENGINEERS HANFORD	

KHC_200_PWR

284E/284W East & West Powerhouses

Facility ID	Facility Name	(Unconfirmed)
284E	284E EAST AREA POWERHOUSE	
182B	182B	
284W	284W WEST AREA POWERHOUSE	

KHC_300_PWR

384 Power House, 300 Area

Facility ID	Facility Name
384	384

KHC_ELEC_UTIL

2101M FSS Electric Utilities

Facility ID	Facility Name
2101M	2101M

KHC_FLEET_MAIN

1171 FSS Fleet Maintenance

Facility ID	Facility Name	(Unconfirmed)
1171	1171	

KHC_GAS_NORTH

2715EA General Area Services North

Facility ID	Facility Name	(Unconfirmed)
2721EA	2721EA HELICOPTER SUPPORT FACILITY	
275E	275E CARPENTER SHOP	
2715EA	2715EA <90 DAY STORAGE PAD	
272E	272E PIPE AND EQUIPMENT SHOP	
272W	272W MACHINE SHOP	
275W	275W HEAVY EQUIPMENT SHOP	
2715ED	Paint Shop	
277W	277W SHEETMETAL/BOILER SHOP	

Appendix G: Facilities by Waste Generator

KHC_GAS_SOUTH

General Area Services South

(Unconfirmed)

Facility ID	Facility Name
3705	3705 BUILDING
300	300
300-AREA	300 AREA
300A	300A
327C	327C
328	328
338	338
3709	3709
440	440 HAZARDOUS WASTE PAD (<90 DAY STORAGE FAC)
MO-009	Sign Painter Shop
4722B	Carpenter Shop
337	337
4722C	4722C PAINT SHOP
3713	3713
ISV	ISV
3841	3841
3765	3765
3718	3718
4734B	4734B MAINTENANCE SHOP

KHC_TRANSPORT

1171 FSS Transportation

Facility ID	Facility Name
1226	1226
2713E	2713E EAST FUEL STATION
1171	1171
2711E	2711E GARAGE

Liquid Effluent

WHC_200 ETF

C018H-200 Area Effluent Treatment

Facility ID	Facility Name
200LEF	200 AREA LIQUID EFFLUENT TREATMENT FACILITY

WHC_300 TEDF

L045H-300 Area Effluent Treatment

Facility ID	Facility Name
310	310 BUILDING
340	340
300LEF	300 AREA LIQUID EFFLUENT TREATMENT FACILITY

Non-programmatic

BCS_FED

BCSR Computer Service Federal Bldg.

Facility ID	Facility Name
FED/G11	FEDERAL BUILDING, ROOM G11

BCS_RADIO_MAIN

1154 Radio Maintenance-3000 Area

Facility ID	Facility Name
1154	1154

NP_B_PLANT_TR

225B B-Plant/WESF Facilities

Facility ID	Facility Name
225B	225B
B-PLANT	B PLANT
221B	221B
271B	271B

NP_PFP_TR

2345Z Plutonium Finishing Plant

Facility ID	Facility Name
291Z	291Z
236Z	236Z PLUTONIUM RECLAMATION FACILITY (PRF)
2345Z	Z-PLANT, PFP
231Z	231Z
2904-ZA	Rad. & Flow Monitoring Station
242Z	Waste Treatment Fac. (not used)
2736ZB	2736ZB SHIPPING AND RECEIVING FACILITY
2904-ZB	Monitoring Bldg.
2736-ZA	Plutonium Storage Ventilation Bldg.
241Z	241Z
2736-Z	Plutonium Storage Bldg.
2731-Z	PR Can Storage Bldg.
243-Z	Low Level Treatment Facility
234-5Z	Plutonium Fab. Fac.

NP_PUREX_TR

202A Purex Operations

Facility ID	Facility Name
202AL	PUREX LABS
202A	202A PUREX

Appendix G: Facilities by Waste Generator

NP_T_PLANT_TR

221T/2706T T-Plant Operations

(Unconfirmed)

Facility ID	Facility Name
2706T	2706T
T PLANT	T PLANT
221T	221T T PLANT

WHC_CHEM_E_LAB

2703E Chemical Engineering Laboratory

Facility ID	Facility Name
2703E	2703E CHEMICAL ENGINEERING LABORATORY

WHC_PRTR_IX

309 PRTR Vault Waste(Ion Exchange Mod)

Facility ID	Facility Name
PRTR	PRTR
309	309

WHC_SODIUM_TST

335 Sodium Test Facility

(Unconfirmed)

Facility ID	Facility Name
335	335 SODIUM TEST FACILITY

WHC_SS_MAIN

3707C Safeguards/Security Maintenance

Facility ID	Facility Name
1209	1209
1208	1208 PAINT SPRAY FACILITY
1226	1226
1240	1240
305A	305A ELECTRICIANS AND PIPEFITTERS SHOP
1177	1177
3734A	3734A PAINT STORAGE BUILDING
3707	3707 BUILDING
3710	3710
3707C	3707C

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Off site

AMES

Ames Laboratory-Ames, Iowa

Facility ID

Facility Name

AMES

IOWA STATE UNIVERSITY-AMES LABORATORY

ANL_E

Argonne National Laboratory-East

Facility ID

Facility Name

ARGON

ARGONNE NATIONAL LABORATORY

B_LEHR_DAV

University of California-Davis

Facility ID

Facility Name

DAVIS

UNIVERSITY OF CALIFORNIA-DAVIS

BAPL_SHIPYDS

Bettis Atomic Power-Shipyards

Facility ID

Facility Name

BETTS

NAVAL SITES

BAPL

BETTIS ATOMIC POWER-WESTINGHOUSE ELECTRIC

BAT_CLBS_LAB

Battelle Columbus Laboratories

Facility ID

Facility Name

BATCO

BATTELLE COLUMBUS

BRKHAVN

Brookhaven National Laboratory

Facility ID

Facility Name

BNLAB

BROOKHAVEN NATIONAL LABORATORY

EG&G

EG&G Rocky Flats Plant

Facility ID

Facility Name

RF

ROCKY FLATS PLANT

FERMI

FERMI National Accelerator Laboratory

Facility ID

Facility Name

NALAB

FERMI NATIONAL ACCELERATOR LABORATORY

Appendix G: Facilities by Waste Generator

GEN_ATOM

General Atomics

Facility ID	Facility Name
GASD	GENERAL ATOMICS-SAN DIEGO

KAPL

Knolls Atomic Power-Laboratory

Facility ID	Facility Name
KAPL	KNOLLS ATOMIC POWER LABORATORY

LBL

Lawrence Berkeley Laboratory

Facility ID	Facility Name
LRLAB	LAWRENCE LIVERMORE LABORATORY

PORTSMOUTH_ES

Portsmouth Energy Systems

Facility ID	Facility Name
PORT	MARTIN MARIETTA ENERGY SYSTEMS - PORTSMOUTH

PRINCETON

Plasma Physics Laboratory

Facility ID	Facility Name
PRINC	PRINCETON LABORATORY

STANFORD

Stanford Linear Accelerator Center

Facility ID	Facility Name
SLACU	STANFORD LINEAR ACCELERATOR

U_U

University of Utah

Facility ID	Facility Name
UURD	UNIVERSITY OF UTAH

Pacific Northwest National Laboratory

PNNL

Pacific Northwest National Laboratory

(Unconfirmed)

Facility ID

Facility Name

318	318
303C	303C
305B	305B BUILDING
306W	306W
314	314
3708	3708
PNL	PACIFIC NORTHWEST LABORATORIES
6652I	6652I
3720	3720
EDF	EDF
320	320
6652H	6652H
377	377 GEOTECHNICAL ENGINEERING LABORATORY
331	BIOLOGICAL TREATMENT TEST FACILITY
329	PHYSICAL AND CHEMICAL TREATMENT TEST FACILITY
327	327
326	326
325A	325A
325	325
324	GENERAL ELECTRIC-SODIUM REMOVAL PILOT PLANT
323	323

Solid Waste**WHC_LL BG****218E/W Low Level Burial Grounds**

Facility ID	Facility Name
218W3A	BURIAL GROUND 218W3A
2WBG	200 WEST BURIAL GROUNDS
218W6	218W6
BG005	BG005
BG02A	BG02A
BG03A	BG03A
BG3AE	BG3AE
CWC	CENTRAL WASTE COMPLEX
BG04B	BG04B
218W4B	BURIAL GROUND 218W4B
218W3AE	BURIAL GROUND 218W3AE
218E12B	BURIAL GROUND 218E12B
218E10	BURIAL GROUND 218E10
218W4C	BURIAL GROUND 218W4C
218W2A	BURIAL GROUND 218W2A
218W5	BURIAL GROUND 218W5

WHC_TRUSAF**224T TRU Storage & Assay Facility**

Facility ID	Facility Name
224T	TRANSURANIC WASTE STORAGE & ASSAY FACILITY(TRUSAF)

Spent Nuclear Fuel**WHC_K_OPER****100K K-Basin Operations**

Facility ID	Facility Name
100KW	100KW
190KE	190KE MAIN PUMP HOUSE
100KE	100KE
190KW	190KW MAIN PUMP HOUSE
105KE	105KE REACTOR FACILITY
105KW	105KW REACTOR FACILITY
183KE	183KE FILTER PLANT HEAD HOUSE

TWRS

WHC_DST_RET

W343 DST Retrieval (17 Tanks)

Facility ID	Facility Name
241AP	241AP TANK FARM
241AN	241AN TANK FARM
241AY	241AY TANK FARM
241SY	241SY TANK FARM
241AW	241AW TANK FARM
241AZ	241AZ TANK FARM

WHC_SST_LLE

SST Long Length Equipment

Facility ID	Facility Name
242A	242A TANK FARM
241BY	241BY TANK FARM
241BX	241BX TANK FARM
241AX	241AX TANK FARM
241C	241C TANK FARM
241S	241S TANK FARM
241B	241B TANK FARM
241SY	241SY TANK FARM
241U	241U
241T	241T
241TY	241TY TANK FARM
242AL	242AL
244S	244S
244BXR	244BXR
204AR	204AR Waste Unloading Facility
244A	244A
209E	209E Tank Farm Support Facility
241SX	241SX TANK FARM
241TX	241TX TANK FARM
241A	241A TANK FARM
244TX	244TX
244U	244U
244CR	244CR VAULT
244BX	244BX
244AR	244AR

WHC_SST_RET

SST Retrieval (149 tanks)

Facility ID	Facility Name
241BX	241BX TANK FARM
241U	241U
241B	241B TANK FARM
241BY	241BY TANK FARM
241SX	241SX TANK FARM
241C	241C TANK FARM
241TY	241TY TANK FARM
241TX	241TX TANK FARM
241AX	241AX TANK FARM
241A	241A TANK FARM
241S	241S TANK FARM
241T	241T

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WHC_TF_OPER

SST/DST Tank Farm Operations

Facility ID	Facility Name
153ER	153ER
242A	242A TANK FARM
241AW	241AW TANK FARM
244A	244A
204AR	204AR Waste Unloading Facility
241AN	241AN TANK FARM
241TY	241TY TANK FARM
152ER	152ER FACILITY
244BX	244BX
241AP	241AP TANK FARM
244CR	244CR VAULT
241U	241U
244U	244U
242AL	242AL
241A	241A TANK FARM
244TX	244TX
209E	209E Tank Farm Support Facility
241B	241B TANK FARM
241S	241S TANK FARM
272WA	272WA
241TX	241TX TANK FARM
151ER	DIVERSION BOX FOR TANK CROSS CONNECT LINE
241AZ	241AZ TANK FARM
244BXR	244BXR
241SX	241SX TANK FARM
241C	241C TANK FARM
244S	244S
241AY	241AY TANK FARM
241SY	241SY TANK FARM
241BX	241BX TANK FARM
241AX	241AX TANK FARM
241BY	241BY TANK FARM
241T	241T
244AR	244AR
151EW	151EW VENT STATION

WHC_TWP_W030

Tank Farm Ventilation Upgrade

Facility ID	Facility Name
241AY	241AY TANK FARM
241AZ	241AZ TANK FARM

WHC_TWP_W058

Cross-Site Transfer System

Facility ID	Facility Name
241SY	241SY TANK FARM
244AR	244AR

WHC_TWP_W151

DST 101AZ Retrieval (1 tank)

Facility ID	Facility Name
241AZ	241AZ TANK FARM

WHC_TWP_W211

DST Retrieval Systems (10 tanks)

Facility ID	Facility Name
241AW	241AW TANK FARM
241SY	241SY TANK FARM
241AN	241AN TANK FARM
241AZ	241AZ TANK FARM
241AY	241AY TANK FARM
241AP	241AP TANK FARM

WHC_TWP_W314

DST Tank Farm Restoration

Facility ID	Facility Name
241AZ	241AZ TANK FARM
241AY	241AY TANK FARM
241AW	241AW TANK FARM
241AP	241AP TANK FARM
241SY	241SY TANK FARM
241AN	241AN TANK FARM

WHC_TWP_W320

SST Tank 106C Sluicing

Facility ID	Facility Name
241C	241C TANK FARM

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