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ACRONYMS AND ABBREVIATIONS

AE	Argonne National Laboratory – East (site identifier)
AK	Acceptable Knowledge
ANL	Argonne National Laboratory
ANLE	Argonne National Laboratory – East (now known as Argonne National Laboratory)
Army	U.S. Army Materiel Command
ATWIR	Annual Transuranic Waste Inventory Report
AW	Argonne National Laboratory – West (site identifier) (now known as Materials and Fuels Complex (MFC))
BC	Battelle Columbus Laboratory (site identifier)
BAPL	Bettis Atomic Power Laboratory
BCL	Battelle Columbus Laboratories
BNL	Brookhaven National Laboratory
BT	Bettis Atomic Power Laboratory (site identifier)
C&C Agreement	Agreement for Consultation and Cooperation between the Department of Energy and the State of New Mexico on the Waste Isolation Pilot Plant
CBFO	Carlsbad Field Office
CCA	Compliance Certification Application
CFR	Code of Federal Regulations
CH	contact-handled
Ci	curie
CID	Comprehensive Inventory Database
CPR	cellulosic, plastic, and rubber
CRA	Compliance Recertification Application
CRA-2004	Compliance Recertification Application – 2004
DOE	U.S. Department of Energy
EDTA	ethylenediaminetetraacetic acid
EPA	U.S. Environmental Protection Agency
ERMS	Electronic Records Management System (SNL – Carlsbad Program Group record numbering system)
ft	foot or feet
FR	Framatome (site identifier; now known as Areva)
Hanford-RL	Hanford (Richland) Site
HEPA	high-efficiency particulate air (filter)

ID	identification (waste stream)
IN	Idaho National Laboratory (formerly Idaho National Engineering and Environmental Laboratory (site identifier))
INL	Idaho National Laboratory
INTEC	Idaho Nuclear Technical Engineering Center
KA	Knolls Atomic Power Laboratory-Schenectady (site identifier)
kg	kilogram or kilograms
KN	Knolls Atomic Power Laboratory – Nuclear Fuels Service (site identifier)
LA	Los Alamos National Laboratory (site identifier)
LANL	Los Alamos National Laboratory
LANL-CO	Los Alamos National Laboratory – Carlsbad Operations
LB	Lawrence Berkeley National Laboratory (site identifier)
lb	pound(s)
LL	Lawrence Livermore National Laboratory (site identifier)
LLNL	Lawrence Livermore National Laboratory
LWA	Land Withdrawal Act
m	meter(s)
MC	U.S. Army Materiel Command (site identifier)
MgO	magnesium oxide
mrem	millirem
MOX	mixed oxide
MU	University of Missouri Research Reactor (site identifier)
NT	Nevada Test Site (site identifier)
NTS	Nevada Test Site
OR	Oak Ridge National Laboratory (site identifier)
ORIGEN 2.2	Oak Ridge Isotope Generation and Depletion Code
ORNL	Oak Ridge National Laboratory
PA	performance assessment
PA	Paducah Gaseous Diffusion Plant (site identifier)
PAIR	Performance Assessment Inventory Report
PABC	Performance Assessment Baseline Calculation
POC	pipe overpack component
PVC	polyvinyl chloride
QA	quality assurance
RCRA	Resource Conservation and Recovery Act
rem	Roentgen Equivalent Man
RF	Rocky Flats Environmental Technology Site (site identifier)

RFETS	Rocky Flats Environmental Technology Site
RH	remote-handled
RL	(Hanford) Richland (site identifier)
RP	(Hanford) Office of River Protection (site identifier)
SA	Sandia National Laboratories – Albuquerque (site identifier)
SLB	standard large box
SR	Savannah River Site (site identifier)
SRS	Savannah River Site
SWB	standard waste box
TDOP	ten-drum overpack
TRU	transuranic
TWBIR	Transuranic Waste Baseline Inventory Report
TWBIR-2004	Transuranic Waste Baseline Inventory Report – 2004
WHO	Waste Handling Operations
WIPP	Waste Isolation Pilot Plant
WMP	waste material parameter
WWIS	WIPP Waste Information System

1.0 INTRODUCTION

This Performance Assessment Inventory Report—2008 (PAIR—2008) has been prepared by the Los Alamos National Laboratory—Carlsbad Operations (LANL—CO) as requested by Russ Patterson, Carlsbad Field Office (CBFO) Recertification Compliance Manager (Patterson 2008). The inventory information provided in this report will be used by the Sandia National Laboratories/Carlsbad Program Group (SNL/CPG) to perform a comparison analysis of the effects of the inventory information as found in the *Annual Transuranic Waste Inventory Report—2008* (ATWIR—2008) (DOE 2008a) that contains inventory information as of December 31, 2007 on performance assessment (PA). This report documents the transuranic (TRU) waste inventory data needs that were requested by SNL/CPG in a letter dated March 10, 2008, from Sean Dunagan to Russ Patterson of CBFO (Dunagan 2008).

To prevent some confusion on the inventory information, this report identifies the inventory presented in the ATWIR—2008 (DOE 2008a) as the **new inventory**. The inventory information presented in the *Annual Transuranic Waste Inventory Report—2007* (ATWIR—2007) (DOE 2008b) is identified as the **old inventory**.

This work was performed under the LANL-CO Quality Assurance (QA) Program, which is fully compliant with the requirements set forth in the CBFO QAPD (DOE 2007) and is documented in LCO-QPD-01, *LANL-CO Quality Assurance Plan* (LANL-CO 2008a).

2.0 PURPOSE AND SCOPE OF PERFORMANCE ASSESSMENT REPORT-2008

This report has been prepared to provide estimates of waste stream volumes; waste and packaging material parameter densities; radionuclide activity concentrations and activities; and masses of oxyanions, complexing agents and cements expected to be emplaced when the WIPP repository is filled to its legislated capacity. The data used for this report originated from the new inventory and has been scaled to provide estimated values for the full legislated repository volume for use in the WIPP PA. The full legislated volume may also be referred to as the “disposal” or “scaled” volume in this report.

3.0 METHODOLOGY USED FOR THE PERFORMANCE ASSESSMENT INVENTORY REPORT-2008

The calculations described in this section use information that was collected from the Department of Energy DOE TRU waste sites and prepared under the LANL-CO Quality Assurance (QA) Program. Data were entered into the Comprehensive Inventory Database (CID) (LANL-CO 2008b) and either reported through qualified CID reports

that have met the requirements of LCO-QPD-01, *LANL-CO WIPP Quality Assurance Plan* (LANL-CO 2008a), LCO-QPD-02, *LANL-CO Software Quality Assurance Plan* (LANL-CO 2007), LCO-QP19-1, *Software Quality Assurance* (LANL-CO 2008c), or through analyses using LCO-QP9-1, *Analyses* (LANL-CO 2008d).

Section 3.1 describes the information used in WIPP PA and Section 3.2 describes the preparation of the data used to generate the TRU waste disposal (scaled) inventory. A description of how data were collected can be found in Section 2.1 of the new inventory report (DOE 2008a).

3.1 Information Used and Reported for WIPP Performance Assessment

This report includes the new inventory information as mentioned above, information from the WIPP Waste Information System (WWIS) database, approved Acceptable Knowledge (AK) reports, and updated information provided by the TRU waste sites. The WWIS provides characterization information on the emplaced portion of the TRU waste inventory and is used as a basis for estimating waste material parameters (WMPs) and radionuclide activity concentrations and activities for those waste streams that are currently being shipped.

Inventory information is a key input parameter required for PA modeling calculations. The following inventory information requested in the Dunagan letter (2008) is being provided in this report:

- Waste stream volumes (in cubic meters (m³)),
- Inventory of radionuclides on a waste stream basis for both CH- and RH-TRU waste reported in activity, as curies (Ci) and decayed to the years 2033, 2133, 2383, 3033, 7033, and 12033,
 - Disposal radionuclides: ²⁴¹Am, ²⁴³Am, ²⁴⁴Cm, ¹³⁷Cs, ²³⁷Np, ²³⁸Pu, ²³⁹Pu, ²⁴⁰Pu, ²⁴¹Pu, ²⁴²Pu, ²⁴⁴Pu, ⁹⁰Sr, ²²⁹Th, ²³⁰Th, ²³²Th, ²³³U, ²³⁴U, ²³⁵U, ²³⁶U, and ²³⁸U on a waste stream basis,
 - Disposal radionuclides: ²²⁷Ac, ²⁴¹Am, ²⁴³Am, ¹⁴C, ²⁴⁹Cf, ²⁵¹Cf, ²⁵²Cf, ²⁴³Cm, ²⁴⁴Cm, ²⁴⁵Cm, ²⁴⁶Cm, ²⁴⁷Cm, ²⁴⁸Cm, ²⁵⁰Cm, ¹³⁵Cs, ¹³⁷Cs, ¹²⁹I, ⁵⁹Ni, ⁶³Ni, ²³⁷Np, ²³¹Pa, ²¹⁰Pb, ¹⁰⁷Pd, ¹⁴⁷Pm, ²³⁸Pu, ²³⁹Pu, ²⁴⁰Pu, ²⁴¹Pu, ²⁴²Pu, ²⁴⁴Pu, ²²⁶Ra, ⁷⁹Se, ¹⁴⁷Sm, ¹⁵¹Sm, ^{121m}Sn, ¹²⁶Sn, ⁹⁰Sr, ⁹⁹Tc, ²²⁹Th, ²³⁰Th, ²³²Th, ²³²U, ²³³U, ²³⁴U, ²³⁵U, ²³⁶U, ²³⁸U, and ⁹³Zr on a WIPP scale basis,
- Inventory of all non-radiological components (WMPs) that are tracked on a waste stream basis for both CH- and RH-TRU waste,
 - The WMPs found in the waste include: iron-based metal/alloy, aluminum-based metal/alloy, other metal/alloys, other inorganic materials, vitrified materials, cellulosic, plastic, and rubber (CPR) material, solidified inorganic material, solidified organic material, cements, and soils. The

non-radiological inventory for packaging include: steel, plastic/liners, and lead from RH-TRU waste. All WMPs and packaging materials are reported in average densities (kg/m^3).

- Inventory of any other non-radiological waste materials, not included in existing WMPs, that are discovered that account for a significant portion (greater than 5 percent by weight or volume) of a waste stream,
- Inventory of CPR and other biodegradable materials used to facilitate emplacement of waste and magnesium oxide (MgO) in WIPP, supplied as average densities (kg/m^3) for both CH- and RH-TRU waste,
- Inventory of organic complexing agents, oxyanions (sulfate, nitrate, and phosphate) and cements reported in masses (kg), and
- For emplaced waste, waste-stream-level inventories of disposal radionuclides and non-radiological average densities for WMPs.

3.2 Preparation of the Transuranic Waste Disposal Inventory

The CID was used to manage, maintain, and perform calculations on the TRU waste inventory data used for this report (LANL-CO 2008b). The tables (with the exception of those noted otherwise) were generated using qualified data reports and tables from the CID.

This section provides a description of how data were used to report disposal volumes, WMPs and radionuclides. Section 3.2.1 delineates how scaling factors are determined and how the disposal (scaled) volumes are calculated. Section 3.2.2 shows how WMPs are calculated and reported. Section 3.2.3 shows important equations used in calculating radionuclides on the waste stream and repository scale for PA. An analysis of complexing agents, oxyanions and cements (described in Section 3.2.4) and an analysis of cellulose, plastic and rubber emplacement materials for a full legislated repository volume (described in Section 3.2.5) are discussed.

3.2.1 Disposal Volume and Scaling Calculations

PAs conducted in support of WIPP assume that the WIPP repository would be filled to its legislated capacity at the time of closure. The legislated capacity for WIPP is $175,564 \text{ m}^3$ ($6,200,000 \text{ ft}^3$), as set by the WIPP Land Withdrawal Act (LWA) (U.S. Congress 1992 and 1996), with a limit of $7,079 \text{ m}^3$ ($250,000 \text{ ft}^3$) for RH-TRU waste as imposed by the Consultation and Cooperation Agreement (C&C Agreement) (DOE and State of New Mexico 1988); therefore, the difference in the full legislated volume capacity and the RH-TRU imposed disposal limit sets the CH-TRU disposal limit at $168,485 \text{ m}^3$ ($5,950,000 \text{ ft}^3$). The volume of anticipated (stored plus projected) and emplaced TRU waste reported by the DOE TRU waste sites in the new inventory is less than the legislated volume capacity for WIPP. Therefore, the TRU waste volumes were scaled to the full legislated

volume capacity for each waste stream and scaling was applied to the radionuclides, chemical components, and emplaced CPR, accordingly.

The waste stream volumes (in m^3) were derived by summing the waste-stream-level data into a site-level roll-up. For each DOE TRU waste site, all stored waste stream volumes (v_s) were summed to arrive at the total stored volume for the site, V_s . All projected waste stream volumes (v_p) were summed to arrive at the total projected volume for the site, V_p . The sum of the total stored volume and the total projected volume is the total anticipated volume, V_a (see equation 1):

$$V_a = V_s + V_p \quad (1)$$

where

- V_a is the total anticipated volume (m^3)
- V_s is the total stored volume (m^3)
- V_p is the total projected volume (m^3)

Since the total reported volume of CH-TRU waste is less than the WIPP legislated capacity of $168,485 m^3$ ($5,950,000 ft^3$), the projected volume was scaled so the total volume equaled the CH-TRU waste disposal limit for WIPP. The scaling factor for CH-TRU waste was calculated using equation 2 applied to the WIPP waste streams:

$$SF_{CH} = (CH\ TRU\ Disposal\ Limit\ in\ m^3 - (V_s + V_e))/V_p \quad (2)$$

where

- SF_{CH} is the scaling factor for the CH-TRU waste volume
- V_s is the total stored volume (m^3) over all waste streams and all sites for CH-TRU waste
- V_e is the total emplaced volume (m^3) for CH-TRU waste over all waste streams and all sites from the new inventory.
- V_p is the total projected volume (m^3) over all waste streams and all sites for CH-TRU waste

The disposal volume for a single CH-TRU waste stream was obtained by multiplying the CH-TRU waste projected volume by the CH-TRU waste scaling factor and adding that value to the stored and emplaced volumes for that waste stream, as shown in equation 3:

$$V_{CH-Disposal} = SF_{CH} (v_p) + v_s + v_e \quad (3)$$

where

- $V_{CH-Disposal}$ is the disposal volume (m^3) for CH-TRU waste for a single waste stream
- SF_{CH} is the scaling factor for the CH-TRU waste volume
- v_p is the projected inventory volume (m^3) for a single CH-TRU waste stream before scaling

v_s is the stored inventory volume (m^3) for a single CH-TRU waste stream
 v_e is the emplaced inventory volume (m^3) for a single CH-TRU waste stream

The scaling factor for RH-TRU waste is calculated in the same manner as the CH-TRU waste scaling factor using RH-TRU waste inventory volumes and the allowed RH-TRU disposal limit.

The total disposal inventory for the WIPP repository is the sum of the disposal volumes for CH- and RH-TRU waste for all waste streams after scaling ($V_{CH-Disposal}$ and $V_{RH-Disposal}$).

Table 3-1 shows TRU waste volumes and the results for the CH- and RH-TRU waste scaling factors for this report, based on the unscaled inventory volumes reported in the new inventory. The total CH-TRU waste disposal inventory, $V_{CH-Disposal}$, is the sum of the scaled CH-TRU waste stream volumes and the total RH-TRU waste disposal inventory, $V_{RH-Disposal}$, is the sum of the scaled RH-TRU waste stream volumes. The disposal waste stream volumes for the CH- and RH-TRU waste streams are discussed in section 4.1.

Table 3-1. TRU Waste Volumes (m^3) and Volume Scaling Factors

Contact-Handled Waste	
WIPP Capacity for CH Waste	1.68E+05 m^3
Total Stored CH Volume (V_s)	7.79E+04 m^3
Total Projected CH Volume (V_p)	6.66E+03 m^3
Total Emplaced CH Volume (V_e)	5.25E+04 m^3
CH Volume Scaling Factor (SF_{CH})	5.72
Remote-Handled Waste	
WIPP Capacity for RH Waste	7.08E+03 m^3
Total Stored RH Volume (V_s)	1.74E+03 m^3
Total Projected RH Volume (V_p)	1.08E+03 m^3
Total Emplaced RH Volume (V_e)	8.81E+01 m^3
RH Volume Scaling Factor (SF_{RH})	4.87

Data Source: CID Data Version D.7.00, LANL-CO 2008a.

NOTE: Actual numerical values have been rounded for presentation purposes.

These CH- and RH-scaling factors are smaller than the scaling factors reported (7.74 and 6.56, respectively) in the old inventory. The scaling factors will continue to change because the calculations to determine the scaling factors depend the relationship of the estimated volumes of stored and projected waste, the actual volumes of emplaced waste, and the legislated capacity for WIPP.

3.2.2 Calculation of Roll-up of Waste Material Parameters

PAs conducted in support of WIPP assume that waste materials are distributed homogeneously throughout the WIPP repository (Leigh 2003). Therefore, a WIPP average value for waste material densities is provided in this report.

The weighted average values for the WMPs based on the individual waste stream volumes in the total inventory were calculated as shown in equations 4, 5, and 6:

$${}^{WM}m_i = {}^{WM}p_i \cdot v_i \quad (4)$$

$${}^{WM}M = \sum {}^{WM}m_i \quad (5)$$

$${}^{WM}P = {}^{WM}M / V \quad (6)$$

where

- ${}^{WM}m_i$ is the mass (kg) of the waste material (WM) in waste stream i
- ${}^{WM}p_i$ is the average density (kg/m³) of the WM in waste stream i
- v_i is the actual (not scaled) volume (m³) of waste stream i (stored + projected + emplaced)
- ${}^{WM}M$ is the total mass (kg) of WM in all WIPP-bound waste streams
- ${}^{WM}P$ is the average density (kg/m³) of the WM in all (stored + projected + emplaced) WIPP-bound waste streams
- V is the actual (not scaled) volume (m³) of all (stored + projected + emplaced) WIPP-bound waste streams

3.2.3 Calculation of Roll-up of Radionuclides

The radionuclide data provided by the DOE TRU waste sites to support generation of the new inventory consisted of radionuclide activity concentrations at the date of assay (if the waste stream was assayed) or at the date that the site calculated the activity concentrations. For PA purposes, all radionuclides reported by waste stream must be decayed to various years described in Section 3.1.

The radionuclide activity concentrations reported by the DOE TRU waste sites were exported from the CID into an external application, Oak Ridge National Laboratory (ORNL) Radiation Safety Information Computational Center *RSICC Computer Code Collection: ORIGEN 2.2, Isotope Generation and Depletion Code Matrix Exponential Method* (ORNL 2002), where the radionuclide decay calculations were performed. Decayed results were then imported back into the CID. ORIGEN 2.2 uses a matrix exponential method to solve a large system of coupled, linear, first-order ordinary differential equations with constant coefficients. ORIGEN 2.2 has been qualified under

the LANL-CO QA Program using LCO-QP19-1, *Software Quality Assurance* (LANL 2008c). A separate analysis describing the use of TransOrigen.xls, a pre- and post-processor Excel workbook application for ORIGEN 2.2, is used to qualify data uploads and unit conversion. This workbook provides a user-friendly interface to process TRU waste stream data from ORIGEN 2.2 by facilitating the creation of input files and post-processing the output files (Van Soest 2008a).

Scaled waste stream volumes were used to calculate waste stream radionuclide activity (Ci) from the decayed ORIGEN 2.2 radionuclide activity concentrations (Ci/m³) as shown in equation 7 and are presented in Appendix B for six decay years:

$$a(RN)_{Disposal} = \alpha(RN) \cdot v_{Disposal} \quad (7)$$

where

- $a(RN)_{Disposal}$ is the activity (Ci) of the radionuclide RN in the scaled waste stream volume
- $\alpha(RN)$ is the decayed radionuclide activity concentration (Ci/m³) from ORIGEN 2.2 for radionuclide RN
- $v_{Disposal}$ is the scaled waste stream disposal volume (m³) for CH- or RH-TRU waste

The WIPP disposal radionuclide activities were calculated as shown in equations 8 and 9 for both CH- and RH-TRU waste. In the first step, the activities of each radionuclide in the scaled waste stream volumes ($a(RN)_{Disposal}$) are summed for all TRU waste streams to give the total activity for each radionuclide in CH- and RH-TRU waste in the WIPP repository. In the second step, the total activity for each radionuclide in CH- and RH-TRU waste in the repository is divided by the legislated volume limits to give the activity concentration for a radionuclide in CH- or RH-TRU waste in the full repository.

$$A(RN) = \Sigma a(RN)_{Disposal} \quad (8)$$

$$\hat{A}(RN) = A(RN)/Limit \quad (9)$$

where

- $A(RN)$ is the total activity (Ci) for a radionuclide in CH- or RH-TRU waste in the repository (after scaling)
- $a(RN)_{Disposal}$ is the activity (Ci) of the radionuclide RN in the scaled waste stream volume
- $\hat{A}(RN)$ is the activity concentration for a radionuclide in CH- or RH-TRU waste in the repository (Ci/m³)
- $Limits$ are 168,485 m³ (5,950,000 ft³) for CH-TRU waste and 7,079 m³ (250,000 ft³) for RH-TRU waste

The WIPP-scale inventories for the requested 50 radionuclides for the six decay years are presented in Appendix A.

3.2.4 Analysis of Complexing Agents, Oxyanions, and Cements

As part of the annual data call for inventory information, the TRU waste sites are asked to provide information about the chemical components of the waste. The sites are requested to report complexing agents (acetate, citrate, oxalate, sodium ethylenediaminetetraacetic acid (EDTA), oxyanions (nitrate, sulfate, and phosphate), and cement in weight percentages. The CID data version D.7.00 (LANL-CO 2008b) contains a weight percent for complexing agents and oxyanions on a waste stream basis and cement information as part of the WMPs on a waste stream density in kilogram per cubic meter (kg/m^3). An analysis (Lott 2009) was completed to convert these weight percentages into disposal masses for these chemical components. The analysis provides the estimates of the masses of chelating agents (complexing agents), oxyanions (nitrates, sulfates, and phosphates), and cements for all the waste streams in the TRU waste inventory where these components have been identified.

To determine whether chemical components in waste streams reported in the old inventory were also included in the queries for chemical components for waste streams reported in the new inventory, the following three cases were developed, recognizing and accounting for waste stream identifiers that may have been combined or divided.

Case 1	Report the old inventory value unless Case 2 or 3 applies.
Case 2	If the waste stream was reported in the old inventory, and was also reported in the new inventory value, but the waste is not being shipped, then report the new inventory value.
Case 3	If the waste stream is reported for the first time in the new inventory, then report the new inventory value.

The analysis discussed in this section was performed and documented in accordance with LCO-QP9-1, *Analyses* (LANL-CO 2008d).

3.2.5 Analysis of Cellulose, Plastic and Rubber Emplacement Materials

An analysis was conducted to update CPR materials that are used to facilitate the emplacement of TRU waste at WIPP. The analysis provides a best estimate of emplacement materials based on current knowledge of the number and type of containers expected to be used by the DOE TRU waste sites and the container emplacement schemes used by the WIPP Waste Handling Operations (WHO) (McInroy 2009). This analysis takes into account packaging configurations used by WHO and includes emplacement materials that apply to 7-packs of 55-gallon drums, 4-packs of 85-gallon drums, 3-packs of 100-gallon drums, standard waste boxes (SWBs), ten-drum overpack (TDOPs), RH canisters, standard large box 2s (SLB2s; 5 ft x 5 ft x 8 ft), and MgO supersacks (woven plastic bags). To calculate the disposal mass of CPR materials introduced incidental to the waste emplacement process, the following process was used:

- The number and type of each waste container was calculated for emplaced, stored, and projected waste.
- The projected waste volume value was scaled to a full repository value using the CH- and RH-TRU waste scaling factors, and added to the un-scaled stored and emplaced volumes.
- Using a list of emplacement assumptions and the results of calculations for numbers of containers by type, the numbers of waste emplacement units were calculated.
- Quantities of CPR materials for emplacement units were calculated from the assumptions and the known mass of CPR materials for the configuration of each waste emplacement unit.
- Waste emplacement units were then mathematically constructed into waste stacks using the emplacement assumptions for each container type. This allowed for the calculation of the number of supersacks to be emplaced on each stack and their CPR contribution.
- The contribution of CPR for each emplacement unit, stack, and supersack was summed and reported as an emplacement material total for the repository.

4.0 TRANSURANIC WASTE INVENTORY ESTIMATES FOR PERFORMANCE ASSESSMENT

This section presents the TRU waste inventory estimates of disposal volumes, waste, packaging and emplacement materials, radionuclide inventory and chemical components. Section 4.1 presents TRU waste disposal volume information for CH- and RH-TRU waste, including the volume of emplaced waste obtained from the WWIS. Section 4.2 presents the non-radiological TRU waste inventory as reported by the sites and the WWIS (DOE 2008c), including roll-ups of the waste materials (Section 4.2.1), packaging materials (Section 4.2.2), and emplacement materials used for emplacing waste in the WIPP repository (Section 4.2.3). Section 4.3 presents the scaled TRU waste radionuclide inventory. Section 4.4 presents information about the chemical components of the waste that is used for PA.

4.1 Disposal Volume

As stated earlier, PAs conducted in support of the WIPP assume that the WIPP repository would be filled to its legislated capacity at the time of closure. The legislated capacity for the WIPP is 175,564 m³ (6,200,000 ft³), as set by the LWA (U.S. Congress 1992 and 1996), with a limit of 7,079 m³ (250,000 ft³) for RH-TRU waste as imposed by the C&C Agreement (DOE and State of New Mexico 1988); therefore, the difference in the legislated capacity and the imposed RH-TRU limit sets the CH-TRU disposal limit at

168,485 m³(5,950,000 ft³). The volume of anticipated (stored plus projected) and emplaced (CH- and RH-TRU) waste reported by the DOE TRU waste sites in support of this report is less than the legislated capacity for the WIPP. Therefore, CH- and RH-TRU waste volumes were scaled to the legislated capacity of the WIPP for PA (described in detail in section 3.2.1). CH- and RH-TRU waste volumes were scaled for PA and the total scaled CH and RH disposal volumes per site are presented in Table 4-1. Appendix B lists the scaled CH and RH anticipated volumes (stored plus projected) by waste stream.

Table 4-1. WIPP CH/RH-TRU Waste Disposal Volume By Site

Storage/Generator Site	CH (m³)	RH (m³)
Argonne National Laboratory - East	6.6E+02	2.2E+03
Argonne National Laboratory - West	4.2E+02	2.6E+02
Bettis Atomic Power Laboratory	1.9E+01	3.6E+00
Framatome	6.0E+00	
Hanford (Richland) Site	2.3E+04	2.6E+03
Idaho National Laboratory	6.1E+04	3.8E+02
Knolls Atomic Power Laboratory - Nuclear Fuel Services	8.4E+02	
Knolls Atomic Power Laboratory - Schenectady		4.2E+02
Lawrence Berkeley Laboratory	4.4E+00	
Lawrence Livermore National Laboratory	3.2E+03	
Los Alamos National Laboratory	1.8E+04	9.8E+01
Nevada Test Site	2.5E+03	
Oak Ridge National Laboratory	1.8E+03	9.6E+02
Paducah Gaseous Diffusion Plant	5.0E+00	
Rocky Flats Environmental Technology Site	1.5E+04	
Sandia National Laboratory - Albuquerque	4.8E+01	6.2E+00
Savannah River Site	4.2E+04	2.2E+02
U.S. Army Materiel Command	2.1E-01	
Grand Total	1.7E+05	7.1E+03

Data Source: Comprehensive Inventory Database ver. 1.00, Data ver. D.7.00, Cutoff date 12/31/07 (LANL-CO 2008a)
 NOTE: Actual numerical values have been rounded for presentation purposes

4.2 Non-radiological Waste, Packaging, and Emplacement Materials

The DOE tracks some waste materials that go into the repository (i.e., CPR materials) because they may affect gas generation in the repository. Metals contribute to the oxidation/reduction reactions that take place in the repository in the event the repository is filled with brine. This section presents the non-radiological properties of the TRU waste inventory for use in PA. Section 4.2.1 presents the inventory of waste materials, Section 4.2.2 presents the inventory of packaging materials and Section 4.2.3 presents emplacement materials.

4.2.1 Waste Materials

The TRU waste sites were asked to provide the average density (kg/m^3) of each of the WMPs in each waste stream at their sites for the new inventory.

The following WMP descriptions (DOE 1995) were used to define the non-radiological properties of TRU waste:

- Iron-based metal/alloys – Includes iron and steel alloys in the waste, but does not include the waste container materials. Also includes an iron-based metallic phase associated with any vitrification process, if applicable.
- Aluminum-based metal/alloys – Aluminum or aluminum-based alloys in the waste materials.
- Other metal – All other metal/alloys (e.g., copper, zirconium, tantalum) found in the waste materials, including the lead portion of leaded rubber gloves/aprons.
- Other inorganic material – Inorganic non-metal waste materials such as concrete, glass, firebrick, ceramics, graphite, sand, and inorganic sorbents.
- Vitrified – Waste that has been melted or fused at high temperatures with glass-forming additives, such as soil or silica, in appropriate proportions to result in a homogeneous glass-like matrix. (Note that any unoxidized metallic phases, if present, are included in the iron-based metal/alloys WMP.)
- Cellulosic – Materials generally derived from high-polymer plant carbohydrates such as paper, cardboard, Kimwipes[®], wood, cellophane, and cloth.
- Rubber – Natural or manmade elastic latex materials such as Hypalon[®], neoprene, surgeons' gloves, and leaded-rubber gloves (rubber part only).
- Plastic – Generally manmade, often derived from petroleum feedstock. Examples are polyethylene, polyvinyl chloride (PVC), Lucite,[®] and Teflon[®].
- Solidified Inorganic Material (Inorganic Matrix) – Any homogeneous materials consisting of sludge or aqueous-based liquids that are solidified with cement, Envirostone[®] or other solidification agents. Examples are wastewater treatment sludge and inorganic particulates.
- Solidified Organic Material (Organic Matrix) – Organic resins, solidified organic liquids, and sludges.
- Cements – Used in solidifying liquids, particulates, and sludges.

- Soil/gravel – Generally consists of naturally occurring soils that have been contaminated with radioactive waste materials at a high enough level to be considered TRU waste.

The estimated WIPP WMP average densities for CH- and RH-TRU waste are presented in Tables 4-2 and 4-3, respectively. The largest WMP contribution to CH-TRU waste density is solidified inorganic material (sludge) followed by iron-based metals from debris waste streams. Conversely, the largest WMP contribution to RH-TRU waste is iron-based metal from debris waste streams followed by solidified inorganic material.

4.2.2 Packaging Materials

Packaging materials (such as steel, plastic, cellulose, and lead) are the materials used to construct the containers that hold TRU waste. These container materials are reported as standard values to ensure all packaging materials are consistently reported for all of the TRU waste sites. The standard packaging material values used are based on an analysis of expected packaging configurations and associated materials (McInroy 2008). PA assumes that packaging materials are distributed homogeneously throughout the WIPP repository. As a result, WIPP average values for packaging material densities are provided. The WIPP packaging material average densities (kg/m³) for CH- and RH-TRU waste are presented in Tables 4-2 and 4-3, respectively.

Table 4-2. WIPP CH-TRU Waste Material Parameter Average Densities

Waste Material	Average Density (kg/m ³)
Iron-based Metals/Alloys	8.1E+01
Aluminum-based Metals/Alloys	1.5E+00
Other Metal	5.1E+00
Other Inorganic Materials	3.6E+01
Cellulosic	4.0E+01
Rubber	5.6E+00
Plastic	3.8E+01
Cement	1.7E+01
Solidified Inorganic Material	1.1E+02
Solidified Organic Material	3.8E+01
Soils/gravel	1.1E+01
Vitrified	0.0E+00
Package Material	
Packaging Material, Steel	1.9E+02
Packaging Material, Plastic	1.6E+01
Packaging Material, Cellulosic	5.1E+00
Packaging Material, Lead	0.0E+00

Data Source: CID Data Version D.7.00, LANL-CO 2008a.

Table 4-3. WIPP RH-TRU Waste Material Parameter Average Densities

Waste Material	Average Density (kg/m³)
Iron-based Metals/Alloys	1.7E+02
Aluminum-based Metals/Alloys	1.0E+01
Other Metal	2.8E+01
Other Inorganic Materials	4.0E+01
Cellulosic	2.2E+01
Rubber	6.6E+00
Plastic	2.8E+01
Cement	4.1E+00
Solidified Inorganic Material	1.1E+02
Solidified Organic Material	3.4E+00
Soils/gravel	2.5E+01
Vitrified	0.0E+00
Package Material	
Packaging Material, Steel	6.3E+02
Packaging Material, Plastic	1.4E+01
Packaging Material, Cellulosic	0.0E+00
Packaging Material, Lead	3.5E+00

Data Source: CID Data Version D.7.00, LANL-CO 2008a.

4.2.3 Emplacement Materials

The WIPP WHO uses several emplacement materials to facilitate the disposal of TRU waste containers and MgO in the WIPP repository. The CPR has been estimated for each payload configuration expected to be emplaced in the repository (McInroy 2009). Plastic and cellulosic materials are used to emplace CH-TRU waste, but no rubber materials are used. It is assumed in this report that RH-TRU waste will be emplaced in boreholes in the walls of the disposal rooms. Currently, no CPR material is used for RH-TRU waste emplacement.

The materials used to emplace CH-TRU waste are:

- Polyethylene slip-sheets for 7-packs of 55-gallon drums and/or pipe overpack components (POCs), 4-packs of 85-gallon drums, 3-packs of 100-gallon drums, and MgO supersacks (plastics)
- Fiberboard slip-sheets (cellulosic material) for SWBs and TDOPs
- Woven polypropylene supersacks (plastic material) containing MgO
- Cardboard stabilizers (cellulosic material) for supersacks
- Stretch wrap (plastic material) for 7-packs, 4-packs, and 3-packs

For CH-TRU waste, the total disposal mass of the emplacement materials was calculated based on information provided by the new inventory (DOE 2008a). Since the emplacement of RH TRU waste does not require CPR, the total estimated masses of cellulose and plastic in the emplacement materials for a full repository for the CH TRU waste portion is provided in Table 4-4.

Table 4-4. Total Estimated Masses and Densities of Cellulose and Plastic in Emplacement Materials in a Full Repository ¹

Emplacement Materials	From Supersacks (kg)	From Waste Emplacement Units (kg)	Total Emplacement Materials (kg)	Total Emplacement Materials Densities (kg/m ³)
Cellulose	1.09E+05	1.18E+05	2.26E+05	1.34E+00
Plastic	3.57E+05	7.54E+05	1.11E+06	6.59E+00

NOTE: Actual numerical values have been rounded for presentation purposes.

¹ Mass estimates are based on 168,485 m³ of CH waste.

4.3 TRU Waste Radionuclide Inventory

The TRU waste radionuclide inventory, scaled to a full legislated repository, for PA is presented in this section. Calculations used to obtain the data in this section are found in Section 3.2.3. Section 4.3.1 presents the WIPP-scale disposal radionuclide inventory and Section 4.3.2 presents TRU waste stream-level disposal radionuclide information provided by the sites for CH- and RH-TRU waste.

4.3.1 WIPP-Scale Disposal Radionuclide Inventory

Appendix A, Table A-1 through Table A-6, presents the WIPP-scale disposal roll-up of radionuclide activity concentrations in Ci/m³ and the total disposal activity (Ci) decayed through the end of calendar years 2033, 2133, 2383, 3033, 7033, and 12033 for both CH- and RH-TRU waste. Table 4-5 summarizes the CH and RH total activities for the six PA decay years presented in Appendix A.

Table 4-5 CH and RH Radionuclide Activities for the PA Decay Periods

Decay Period	CH Activity (Ci)	RH Activity (Ci)	Total Activity (Ci)
2033	3.10E+06	3.50E+05	3.45E+06
2133	1.74E+06	4.24E+04	1.78E+06
2383	1.01E+06	7.19E+03	1.02E+06
3033	7.25E+05	4.93E+03	7.29E+05
7033	5.28E+05	3.40E+03	5.32E+05
12033	4.35E+05	2.88E+03	4.38E+05

4.3.2 Waste Stream-Level Disposal Radionuclide Inventory

The PA disposal volumes (m³) and waste-stream-level disposal radionuclide activities (Ci) for the CH- and RH-TRU waste streams are given in tables in Appendix B (Table B – 1 through B – 12). These tables provide the site-specific radionuclide inventory estimates decayed from the waste stream generation or assay year through the end of the 2033, 2133, 2383, 3033, 7033, and 12033 calendar years

4.4 Chemical Components for Performance Assessment

As part of the annual data call, the TRU waste sites were asked to provide information about the chemical components of the waste. The sites were asked to provide weight percentages for complexing agents (e.g., acetate, citrate, oxalate, ethylenediaminetetraacetic acid (EDTA)), oxyanions (nitrate, sulfate, and phosphate), and cement. The request for these constituents for use in PA came from the Dunagan letter (2008). An analysis (Lott 2009) was completed to convert the weight percentages reported by the DOE TRU waste sites into disposal masses for these chemical components. The following sections (Sections 4.4.1, 4.4.2., and 4.4.3) provide summaries of the information for the estimated masses of complexing agents, oxyanions and cements in TRU waste for disposal at WIPP.

4.4.1 Complexing Agents

The DOE tracks the mass of complexing agents destined for emplacement in the WIPP repository because of their potential impact on solubility of actinides in the waste. In the latest inventory request, the DOE TRU waste sites were asked to update their estimates of complexing agents in the waste streams. The sites reported the estimates of complexing agents in waste streams as a weight percent. As a result of the request for complexing agents, Hanford RL included new estimates of EDTA. In addition, Idaho National Laboratory (INL), Los Alamos National Laboratory (LANL), Lawrence Livermore National Laboratory (LLNL), and Hanford-Richland (RL) identified complexing agents in new waste streams and Hanford-RL revised the estimates for complexing agents in some waste streams identified in the old inventory.

4.4.1.1 Analysis Results

Table 4-6 presents the results for complexing agents as reported in the analysis. This table lists all the waste streams containing estimates of complexing agents that are expected for WIPP disposal, including waste streams with complexing agents that the TRU waste sites are reporting for the first time and updated values from previously reported waste streams (see section 3.2.4 for a detailed description of how these waste streams are reported). Waste streams containing complexing agents and identified for the first time are marked with an asterisk.

Table 4-6 Estimated Mass by Waste Stream of Complexing Agents¹ for Disposal at WIPP

Waste Stream ID	Acetic Acid (kg)	Citric Acid (kg)	Oxalic Acid (kg)	Sodium Acetate (kg)	Sodium Citrate (kg)	Sodium EDTA (kg)	Sodium Oxalate (kg)
BN004-S**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	5.36E+01	0.00E+00
ID-RF-S5300-A-S**	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	8.33E-01	0.00E+00
IN-BN004	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.24E+02	0.00E+00
IN-BNINW218	2.90E+02	2.01E+02	2.01E+02	2.46E+03	8.59E+02	0.00E+00	0.00E+00
IN-ID-RF-S5300-A	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.69E+01	0.00E+00
INW169.001-S	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	1.09E+00	0.00E+00
IN-AE-AGHC-01*	9.71E-02	9.71E-02	9.71E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IN-AW-161*	1.69E-03	0.00E+00	1.69E-03	0.00E+00	0.00E+00	1.69E-03	0.00E+00
IN-BN409*	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	2.13E+00	0.00E+00
IN-ID-SDA-Debris*	3.86E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IN-ID-SDA-Sludge*	5.24E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IN-ID-SDA-Soil*	4.05E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
IN-TRA-150*	7.93E-03	7.93E-03	7.93E-03	0.00E+00	0.00E+00	7.93E-03	7.93E-03
IN-TRA-157*	1.54E-02	1.54E-02	0.00E+00	0.00E+00	1.54E-02	4.62E-02	1.54E-02
LA-TA-50-10	3.54E-02	3.91E+00	4.86E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-TA-50-19	1.80E+00	2.00E+02	2.50E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-TA-55-19	5.00E+00	5.50E+02	6.80E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-TA-55-20	9.60E-01	1.10E+02	1.30E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-TA-55-38	7.32E-03	8.05E-01	1.00E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-TA-55-43	9.90E-02	1.10E+01	1.40E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-TA-55-62	2.37E-01	2.60E+01	3.22E+02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-CIN01.001*	1.01E+00	1.11E+02	7.26E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-CIN02.001*	1.74E+00	1.92E+02	1.08E+03	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LA-MHD01.001*	3.84E+00	3.03E-01	3.99E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LL-M001*	1.44E+01	1.44E+01	1.44E+01	0.00E+00	0.00E+00	1.44E+01	0.00E+00
LL-W018a*	1.63E+01	1.63E+01	1.63E+01	0.00E+00	0.00E+00	1.63E+01	0.00E+00
LL-W019*	2.55E-01	2.55E-01	2.55E-01	0.00E+00	0.00E+00	2.55E-01	0.00E+00
RL200-01	0.00E+00	2.78E+00	3.84E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RL216Z-02	0.00E+00	0.00E+00	1.54E+01	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RL222S-01	0.00E+00	0.00E+00	9.04E+00	9.04E+00	0.00E+00	4.44E-03	0.00E+00
RL233S-01	5.45E-02	1.17E+00	5.45E-02	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RL300-01	0.00E+00	3.47E-02	1.21E+01	2.49E+01	1.00E+01	1.00E-03	5.78E+00
RL308-01	0.00E+00	1.17E-02	1.17E-02	2.38E-02	9.65E-02	1.08E-01	1.08E-01
RL325-01	3.39E+01	2.01E+02	2.01E+02	4.03E+02	1.66E+03	3.00E-01	6.38E+02
RLBAT-01	3.00E+00	1.05E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RLBW-01	3.05E+00	1.84E+00	0.00E+00	1.18E+01	0.00E+00	0.00E+00	0.00E+00
RLESG-01	0.00E+00	1.84E+00	1.78E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RLGEV-01	0.00E+00	3.91E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RLPFP-01	3.27E+03	2.38E+00	1.29E+01	6.76E+03	0.00E+00	1.85E+00	1.85E+00
RLPFP-05 (All shipped)	5.39E-02	0.00E+00	2.23E-04	1.11E-01	0.00E+00	0.00E+00	0.00E+00
RLSWO-01	3.30E-01	8.67E+00	1.37E-03	0.00E+00	0.00E+00	0.00E+00	0.00E+00

Waste Stream ID	Acetic Acid (kg)	Citric Acid (kg)	Oxalic Acid (kg)	Sodium Acetate (kg)	Sodium Citrate (kg)	Sodium EDTA (kg)	Sodium Oxalate (kg)
RLWAR-01	0.00E+00	4.02E+03	1.39E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
RL300-03*	0.00E+00	8.92E-04	8.92E-04	3.57E-03	8.92E-04	2.67E-03	8.92E-04
RLBW-03*	4.36E-05	2.62E-05	0.00E+00	1.30E-04	0.00E+00	4.24E-05	0.00E+00
RLBW-08*	6.35E-06	4.08E-06	0.00E+00	1.36E-05	0.00E+00	6.35E-06	0.00E+00
RLESG-08*	0.00E+00	4.59E-03	4.46E-03	0.00E+00	0.00E+00	2.54E-04	0.00E+00
RLHAN-01*	1.11E-01	0.00E+00	1.80E-01	7.85E-01	2.23E-01	2.23E-01	4.45E-01
RLPFP-08*	9.60E-04	0.00E+00	3.31E-06	2.12E-03	0.00E+00	0.00E+00	0.00E+00
RLWAR-03*	0.00E+00	1.06E-01	3.54E-01	5.29E-02	0.00E+00	0.00E+00	0.00E+00
RFETS (All shipped)	5.29E+00	3.63E+00	3.63E+00	4.46E+01	1.66E+01	1.18E+01	0.00E+00

¹Mass estimates are based on 168,485 m³ of CH waste and 7,079 m³ of RH waste.

*First Time Waste Stream Reported Complexing Agents

**A waste stream from INL

Table 4-7 presents a summary of the estimated mass of complexing agents, by site, for disposal at WIPP.

Table 4-7 Estimated Mass Totals by Site of Complexing Agents¹ for Disposal at WIPP

Site	Acetic Acid (kg)	Citric Acid (kg)	Oxalic Acid (kg)	Sodium Acetate (kg)	Sodium Citrate (kg)	Sodium EDTA (kg)	Sodium Oxalate (kg)
INL Total	9.79E+03	2.01E+02	2.01E+02	2.46E+03	8.59E+02	3.09E+02	2.33E-02
LANL Total	1.47E+01	1.20E+03	1.22E+04	0.00E+00	0.00E+00	0.00E+00	0.00E+00
LLNL Total	3.10E+01	3.10E+01	3.10E+01	0.00E+00	0.00E+00	3.10E+01	0.00E+00
Hanford RL Total	3.31E+03	4.24E+03	1.41E+04	7.20E+03	1.67E+03	2.49E+00	6.46E+02
RFETS ² Total	5.29E+00	3.63E+00	3.63E+00	4.46E+01	1.66E+01	1.18E+01	0.00E+00
Grand Total	1.32E+04	5.68E+03	2.66E+04	9.70E+03	2.55E+03	3.54E+02	6.46E+02

¹Mass estimates are based on 168,485 m³ of CH waste and 7,079 m³ of RH waste.

²RFETS information is from the ATWIR-2007, Revision 1 (DOE 2008b).

4.4.2 Oxyanions

Estimates of the masses of nitrates, sulfates, and phosphates in waste expected for disposal in the WIPP repository were also requested from the TRU waste sites. The analysis (Lott 2009) included the conversion of the weight percentages of the oxyanions reported by the DOE TRU waste sites into estimated disposal masses, as discussed in Section 3.2.4.

4.4.2.1 Analysis Results

Table 4-8 presents all the waste streams containing oxyanions that are expected for WIPP disposal, including waste streams containing oxyanions that the TRU waste sites are reporting for the first time and updated values from previously reported waste streams, (see section 3.2.4 for a detailed description of how these waste streams are reported). Waste streams containing oxyanions and identified for the first time are marked with an asterisk.

Table 4-8 Estimated Mass of Oxyanions¹ by Waste Stream for Disposal at WIPP

Waste Stream ID	Nitrates (kg)	Sulfates (kg)	Phosphates (kg)
IN-BN004	0.00E+00	5.14E+03	5.14E+03
IN-BNINW216	6.60E+05	9.00E+03	0.00E+00
IN-BNINW218	1.89E+05	1.31E+03	0.00E+00
IN-ID-RF-S3150-A	0.00E+00	5.40E+02	0.00E+00
IN-W228.884	1.49E+02	1.49E+02	0.00E+00
IN-W228.885	1.49E+01	1.49E+01	0.00E+00
IN-W228.886	7.14E+01	7.14E+01	0.00E+00
IN-W315.601	5.21E+02	0.00E+00	0.00E+00
IN-ID-SDA-Debris*	8.10E+04	8.10E+04	0.00E+00
IN-ID-SDA-Sludge*	1.15E+05	1.62E+05	5.76E+04
IN-AE-AGHC-01*	9.71E-02	9.71E-02	9.71E-02
IN-AW-161*	1.69E-03	1.69E-03	1.69E-03
IN-ID-SDA-Soil*	8.91E+03	1.30E+04	4.86E+03
IN-TRA-150*	7.93E-03	7.93E-03	7.93E-03
IN-TRA-157*	1.54E-02	1.54E-02	1.54E-02
LA-TA-03-28	9.55E+02	1.52E+02	0.00E+00
LA-TA-03-30	3.47E+02	3.23E+02	0.00E+00
LA-TA-21-13	2.01E+05	3.20E+04	0.00E+00
LA-TA-21-15	1.22E+02	2.36E+01	0.00E+00
LA-TA-21-16	6.98E+03	6.50E+03	0.00E+00
LA-TA-48-01	1.47E+02	2.83E+01	0.00E+00
LA-TA-50-15	3.46E+03	6.67E+02	0.00E+00
LA-TA-50-18	1.39E+04	2.21E+03	0.00E+00
LA-TA-50-19	9.45E+04	8.80E+04	0.00E+00
LA-TA-55-30	1.01E+05	9.68E+04	0.00E+00
LA-TA-55-32	4.27E+02	3.93E+02	0.00E+00
LA-TA-55-33	1.00E+02	1.94E+01	0.00E+00
LA-TA-55-34	8.18E+04	1.64E+03	0.00E+00
LA-TA-55-38	0.00E+00	1.42E+03	0.00E+00
LA-TA-55-53	8.49E+02	7.91E+02	0.00E+00
LA-CIN01.001*	5.79E+02	5.39E+02	0.00E+00
LA-MHD01.001*	4.96E+01	4.62E+01	0.00E+00
LB-T002*	2.47E-03	0.00E+00	9.26E-04

Waste Stream ID	Nitrates (kg)	Sulfates (kg)	Phosphates (kg)
LL-W019*	2.55E-01	2.55E-01	2.55E-01
LL-M001*	1.44E+01	1.44E+01	1.44E+01
LL-W018a*	1.63E+01	1.63E+01	1.63E+01
RL200-01	2.69E+02	0.00E+00	2.59E+02
RL201-01	0.00E+00	2.16E+00	0.00E+00
RL202S-01	4.68E-01	0.00E+00	0.00E+00
RL209E-01	3.54E+01	8.45E+01	1.07E+01
RL216Z-02	1.42E+03	6.36E+01	1.58E+03
RL222S-01	1.36E+02	1.90E+01	2.03E+02
RL231Z-01	4.16E+01	5.37E+03	3.02E+03
RL231Z-03	7.17E-02	7.54E-01	3.37E+01
RL233S-01	2.55E+02	5.54E-01	1.98E+00
RL300-01	6.24E+02	1.26E+00	1.48E+02
RL308-01	5.39E-01	2.08E+02	1.18E-01
RL325-01	1.61E+04	1.22E+04	4.59E+03
RL325-03	8.91E+01	0.00E+00	0.00E+00
RLBAT-01	0.00E+00	4.35E+00	4.95E+00
RLBW-01	4.32E+00	1.17E+03	2.45E+00
RLESG-01	1.78E+00	4.17E+03	1.13E+02
RLEXX-01	6.21E-02	0.00E+00	2.05E-02
RLGEV-01	3.54E+00	4.00E+02	3.54E+00
RLPFP-01	1.23E+05	5.28E+03	1.21E+05
RLPFP-03	1.73E+03	0.00E+00	1.11E+02
RLPFP-04	3.04E-03	0.00E+00	2.59E-02
RLPFP-05 All shipped	3.12E+00	4.48E-01	2.09E+00
RLPURX-01	3.89E+01	0.00E+00	0.00E+00
RLSWO-01	1.40E+01	2.73E+00	1.70E+02
RLWAR-01	1.20E+04	2.06E+03	0.00E+00
RL200-02*	1.49E+01	1.15E+01	5.51E+01
RL209E-08*	8.61E-02	1.23E-02	0.00E+00
RL221U-01*	0.00E+00	0.00E+00	4.13E-03
RL300-03*	2.32E-02	1.34E-02	6.25E-03
RLBW-03*	3.86E-05	1.64E-02	0.00E+00
RLBW-08*	5.90E-06	2.42E-03	0.00E+00
RLESG-08*	4.46E-03	0.00E+00	0.00E+00
RLHAN-01*	3.93E+00	2.42E+00	1.18E+00
RL325-09*	5.31E-02	0.00E+00	0.00E+00
RLPFP-08*	3.53E-02	1.41E-03	2.67E-02
RLWAR-03*	3.17E-01	5.29E-02	0.00E+00
RFETS	9.31E+03	5.52E+04	8.50E+01

¹Mass estimates are based on 168,485 m³ of CH waste and 7,079 m³ of RH waste
 *First Time Waste Stream Reported.

Table 4-9 presents a summary of the masses of the oxyanions, by site, for disposal at WIPP.

Table 4-9 Estimated Mass Totals by Site of Oxyanions¹ for Disposal at WIPP

Site	Nitrates (kg)	Sulfates (kg)	Phosphates (kg)
INL Total	1.05E+06	2.73E+05	6.76E+04
LANL Total	5.07E+05	2.32E+05	0.00E+00
LBNL Total	2.47E-03	0.00E+00	9.26E-04
LLNL Total	3.10E+01	3.10E+01	3.10E+01
Hanford RL Total	1.56E+05	3.11E+04	1.32E+05
RFETS ² Total	9.31E+03	5.52E+04	8.50E+01
Grand Total	1.73E+06	5.91E+05	1.99E+05

¹ Mass estimates are based on 168,485 m³ of CH waste and 7,079 m³ of RH waste.

²RFETS information taken from the ATWIR-2007, Revision 1(DOE 2008b)

4.4.3 Cements

For the inventory data call for the new inventory, the TRU waste sites were instructed to report their cements as WMPs. The waste material densities for cements were subsequently converted to mass in the analysis by Lott (2009).

4.4.3.1 Analysis Results

Table 4-10 presents all the waste streams containing estimates of cement that are expected for WIPP disposal, including waste streams with cements that the TRU waste sites are reporting for the first time and updated values from previously reported waste streams (see section 3.2.4 for a detailed description of how these waste streams are reported). Waste streams containing cements and identified for the first time are marked with an asterisk.

Table 4-10 Estimated Mass of Cements¹ by Waste Stream for Disposal at WIPP

Waste Stream ID	Mass of Cements (kg)
AE-T003	8.67E+03
AW-N026.82	5.55E+02
IN-BN304	9.50E+03
IN-BNINW216	4.87E+06
IN-BNINW218	1.04E+06
IN-GEM-01	8.49E+02
IN-ID-SDA-Debris	5.49E+02
IN-ID-SDA-Sludge	2.70E+03
IN-ID-SDA-Soil	4.94E+02
IN-W163.1007	8.40E+02
IN-W181.162	2.05E+04
IN-W188.160	2.74E+04
IN-W216.877	9.39E+03

Waste Stream ID	Mass of Cements (kg)
IN-W219.914	2.77E+02
IN-W228.886	4.49E+02
IN-W315.601	1.10E+04
IN-W319.584	2.70E+02
IN-W321.1023	7.20E+02
IN-W375.1096	1.09E+04
IN-BN004*	1.88E+05
IN-BN222*	2.31E+04
IN-BN432*	5.26E+03
IN-BN836*	5.77E+04
IN-ID-BTO-030*	6.68E+01
IN-ID-RF-S3150-A*	1.51E+02
IN-W228.884*	1.87E+02
IN-W228.885*	1.87E+01
KN-B234TRU	1.90E+06
LA-TA-03-28	4.18E+03
LA-TA-03-30	9.64E+02
LA-TA-03-31	1.06E+02
LA-TA-21-12	8.40E+04
LA-TA-21-13	1.22E+06
LA-TA-21-15	5.02E+01
LA-TA-21-16	4.06E+04
LA-TA-48-01	6.23E+01
LA-TA-50-10	1.36E+04
LA-TA-50-15	4.48E+02
LA-TA-50-18	6.95E+04
LA-TA-50-19	7.60E+05
LA-TA-55-14	8.41E+05
LA-TA-55-30	1.10E+04
LA-TA-55-32	1.37E+02
LA-TA-55-33	1.83E+01
LA-TA-55-36	9.05E+04
LA-TA-55-38	3.37E+04
LA-TA-55-53	6.02E+03
LL-M001	2.25E+05
LL-W019	3.24E+03
LL-W018a*	1.52E+03
NT-W001	8.74E+03
NT-W021	1.35E+02
NT-W002*	5.64E+02
OR-NFS-CH-HOM*	9.98E+02
OR-RF-CH-HOM*	2.50E+02
PA-W014*	5.68E+03
SA-T001*	9.56E+01
RL105-03	5.31E+04
RL200-01	2.75E+00
RL209E-01	3.15E+03
RL231Z-01	1.17E+05
RL300-01	4.99E+03
RL308-01	1.66E+02
RL325-01	6.74E+04
RLBW-01	1.04E+04

Waste Stream ID	Mass of Cements (kg)
RLGEV-01	8.14E+03
RLPFP-01	7.10E+01
RLPRC-01	7.80E+02
SR-BCLCH-MT01	7.08E+02
SR-BCLRH-MT01	1.65E+01
SR-BCLRH-T001	3.00E+01
SR-BCLRH-T002	4.50E+01
SR-BCLRH-T003	2.19E+02
SR-BCLRH-T004	2.06E+02
SR-BCLRH-T005	6.41E+01
SR-BCLRH-T006	1.50E+01
SR-BCLRH-T008	1.50E+01
SR-BCLRH-T009	6.25E+01
SR-BCLRH-T011	1.01E+03
SR-W027-999-AGNS-HOM	2.72E+03
SR-W027-SRSG-HOM*	1.73E+04
RFETS	3.58E+05

¹ Mass estimates are based on 168,485 m³ of CH waste and 7,079 m³ of RH waste.
 * First Time Waste Stream Reported

Table 4-11 presents a summary of the mass of cement's by site, for disposal at WIPP.

Table 4-11 Estimated Mass Totals by Site of Cements¹ for Disposal at WIPP

Site	Mass of Cements (kg)
ANL Total	8.67E+03
MFC (ANL-W)Total	5.55E+02
INL Total	6.28E+06
KAPL-NFS Total	1.90E+06
LANL Total	3.18E+06
LLNL Total	2.29E+05
NTS Total	9.44E+03
ORR Total	1.25E+03
PGDP Total	5.68E+03
SNL Total	9.56E+01
Hanford RL Total	2.66E+05
SRS Total	2.24E+04
RFETS ² Total	3.58E+05
Grand Total	1.23E+07

¹ Mass estimates are based on 168,485 m³ of CH waste and 7,079 m³ of RH waste.

² RFETS information taken from the ATWIR-2007, Revision 1 (DOE 2008b)

5.0 Changes Between the CCA, CRA-2004 (PABC) and the 2008 PA Report

This section shows how different waste components of the TRU waste inventory have changed since the original certification of the WIPP in 1998. This report provides only scaled (disposal) data that are dependent on the amount of waste reported at each site and the calculated Scaling Factor. It is not feasible to determine the cause of all of the changes using scaled data. The determination of the scaling factors depend on the

relationship between volume components and the legislated capacity of WIPP. The new inventory explains why changes have occurred at the different TRU waste sites. This section focuses only on the differences in the scaled values for volumes, waste and packaging materials, radionuclide activities and chemical components reported in the CCA (DOE 1996a), the CRA-2004 Performance Assessment Baseline Calculation (PABC) (Leigh et. al. 2005) and the results from Section 4.0 of this report.

5.1 Scaling Factors

The scaling factors changed since first reported for the CCA (DOE 1996a). As described in Section 3.2.1, the scaling factors depend on the estimated amount of stored and projected waste reported by the TRU waste sites and the amount of TRU waste emplaced at WIPP. Since the estimates provided by the TRU waste sites may vary and the amount of emplaced waste continues to increase, the scaling factor continues to change. Table 5.1 shows the scaling factor for both CH and RH waste for the CCA, the CRA-2004 PABC, and this report.

Table 5-1. Volume Scaling Factors

Waste Type	CCA	CRA-2004 PABC	New Inventory
Contact Handled	2.05	1.48	5.72
Remote Handled	1	0.861	4.87

5.1.1 Volume

Tables 5-2 and 5-3 show the final form disposal volumes of CH- and RH-TRU waste for large quantity sites with the small quantity site volumes totaled. The tables compare the new inventory volumes reported in this report with the volumes reported for the CCA (DOE 1996a) and CRA-2004 PABC (Leigh et al. 2005).

Table 5-2. WIPP Total CH-TRU Disposal Volumes (m³) by Site

Site	CCA	CRA-2004 PABC	New Inventory
INL	2.90E+04	9.00E+04	6.08E+04
LANL	2.62E+04	1.68E+04	1.83E+04
ORNL	1.83E+03	6.74E+02	1.77E+03
RFETS	9.73E+03	1.37E+04	1.50E+04
RL	7.97E+04	2.10E+04	2.32E+04
RP	0.00E+00	3.93E+03	0.00E+00
SRS	1.68E+04	1.69E+04	4.17E+04
All SQS	4.67E+03	5.48E+03	7.75E+03

Table 5-3. WIPP Total RH-TRU Disposal Volumes (m³) by Site

Site	CCA	CRA-2004 PABC	New Inventory
INL	2.20E+02	2.18E+02	3.78E+02
LANL	1.90E+02	1.25E+02	9.79E+01
ORNL	2.90E+03	5.69E+02	9.55E+02
RL	2.20E+04	1.32E+03	2.59E+03
RP	0.00E+00	4.47E+03	0.00E+00
SRS	0.00E+00	1.95E+01	2.20E+02
All SQS	1.89E+03	3.63E+02	2.84E+03

5.1.2 Waste and Packaging Materials

Tables 5-4 and 5-5 show the WMPs for CH- and RH-TRU waste, respectively. The waste and packaging material parameters are reported directly from the CCA (DOE 1996a), CRA-2004 PABC (Leigh et al. 2005), and this report.

Table 5-4. CH-TRU Waste Material and Packaging Parameters

Waste Material Parameters	CCA Density (kg/m ³)	CRA-2004 PABC Density (kg/m ³)	New Inventory Density (kg/m ³)
Iron Based Metal/Alloys	1.7E+02	1.1E+02	8.1E+01
Aluminum Based Metal/Alloys	1.8E+01	1.4E+01	1.5E+00
Other Metal/Alloys	6.7E+01	3.2E+01	5.1E+00
Other Inorganic Materials	3.1E+01	4.0E+01	3.6E+01
Vitrified	5.5E+01	5.8E+00	0.0E+00
Cellulosics	5.4E+01	6.0E+01	4.0E+01
Rubber	1.0E+01	1.3E+01	5.6E+00
Plastics	3.4E+01	4.3E+01	3.8E+01
Solidified Inorganic Material	5.4E+01	1.1E+02	1.1E+02
Solidified Organic Material	5.6E+00	3.3E+01	3.8E+01
Cements	5.0E+01	3.9E+01	1.7E+01
Soils/Gravels	4.4E+01	1.1E+02	1.1E+01
Packaging Materials			
Steel	1.4E+02	1.7E+02	1.9E+02
Plastic	2.6E+01	1.7E+01	1.6E+01
Lead	0.0E+00	1.3E-02	0.0E+00
Cellulosics	0.0E+00	0.0E+00	5.1E+00

Table 5-5. RH TRU Waste Material and Packaging Parameters

Waste Material Parameters	CCA Density (kg/m ³)	CRA-2004 PABC Density (kg/m ³)	New Inventory Density (kg/m ³)
Iron Based Metal/Alloys	1.0E+02	5.9E+01	1.7E+02
Aluminum Based Metal/Alloys	7.1E+00	5.0E+00	1.0E+01
Other Metal/Alloys	2.5E+02	5.7E+01	2.8E+01
Other Inorganic Materials	6.4E+01	1.6E+01	4.0E+01
Vitrified	4.7E+00	1.2E-01	0.0E+00
Cellulosics	1.7E+01	9.3E+00	2.2E+01
Rubber	3.3E+00	6.7E+00	6.6E+00
Plastics	1.5E+01	8.0E+00	2.8E+01
Solidified Inorganic Material	2.2E+01	6.2E+01	1.1E+02
Solidified Organic Material	9.3E-01	8.3E-01	3.4E+00
Cements	1.0E+00	1.9E+00	4.1E+00
Soils/Gravel	NA	5.0E+01	2.5E+01
Packaging Materials			
Steel	4.5E+02	5.4E+02	6.3E+02
Plastic	3.1E+00	3.1E+00	1.4E+01
Lead	4.7E+02	4.2E+02	3.5E+00
Cellulosics	0.0E+00	0.0E+00	0.0E+00

5.1.3 Radionuclides

The activities for 29 radionuclides that are important for PA are presented in Table 5-6. A comparison for the certification and first recertification applications, CCA (DOE 1996a), CRA-2004 PABC (Leigh et al. 2005), and this report, all decayed to the proposed WIPP closure period (2033), indicates that a majority of these radionuclides have varied slightly (within one order of magnitude).

Table 5-6. Total Activity (Ci) Comparisons of Important PA Radionuclides

Nuclide	CCA ¹	CRA-2004 PABC ²	New Inventory
Ac-227	5.05E-01	6.86E-01	2.42E+00
Am-241	4.87E+05	5.17E+05	4.72E+05
Am-243	3.25E+01	7.87E+01	7.95E+01
C-14	1.28E+01	2.41E+00	5.63E+00
Cm-243	2.08E+01	4.14E-01	3.43E+00
Cm-244	7.43E+03	2.13E+03	3.05E+03
Cm-245	1.15E+02	1.71E-02	6.69E-01
Cm-248	3.71E-02	7.43E-02	1.31E-01

Nuclide	CCA¹	CRA-2004 PABC²	New Inventory
Cs-137	9.32E+04	2.07E+05	8.95E+04
Np-237	6.49E+01	1.22E+01	3.90E+01
Pa-231	4.68E-01	8.69E-01	5.65E-01
Pb-210	8.75E+00	3.59E+00	1.61E+01
Pu-238	1.93E+06	1.13E+06	1.47E+06
Pu-239	7.95E+05	5.82E+05	5.13E+05
Pu-240	2.14E+05	9.54E+04	1.45E+05
Pu-241	3.94E+05	4.48E+05	5.10E+05
Pu-242	1.17E+03	1.27E+01	7.59E+01
Pu-244	1.51E-06	5.53E-05	3.51E-04
Ra-226	1.14E+01	4.56E+00	2.06E+01
Sr-90	8.73E+04	1.76E+05	8.04E+04
Th-229	9.97E+00	5.21E+00	1.30E+01
Th-230	3.05E-01	1.80E-01	5.97E-01
Th-232	1.01E+00	3.42E+00	3.44E-01
U-232	1.79E+01	1.02E+01	5.92E+01
U-233	1.95E+03	1.23E+03	2.07E+02
U-234	7.51E+02	3.44E+02	3.09E+02
U-235	1.74E+01	5.01E+00	4.49E+00
U-236	6.72E-01	2.87E+00	1.60E+00
U-238	5.01E+01	2.17E+02	2.73E+01

¹DOE 1996a, Table 4-6. ² Leigh et al. 2005, Table 14.

5.1.4 Chemical Components

Table 5-7 presents a comparison of the chemical components (oxyanions and complexing agents) reported for the new inventory with those chemical components reported for the CCA (DOE 1996a) and for the CRA-2004 PABC (Leigh et al. 2005). A comparison of cement densities is provided as part of the WMPs in section 5.1.2.

Table 5-7. Chemical Component Comparisons

Chemical Component	CCA mass (kg)	CRA-2004 PABC mass (kg)	New Inventory mass (kg)
Nitrate	1.62E+06	2.67E+06	1.73E+06
Sulfate	6.33E+05	4.43E+05	5.91E+05
Phosphate	--	1.05E+05	1.99E+05
Acetic Acid	1.42E+02	1.42E+02	1.32E+04
Sodium acetate	1.11E+03	8.51E+03	9.70E+03
Citric Acid	1.19E+03	1.19E+03	5.68 E+03
Sodium Citrate	4.00E+02	4.00E+02	2.55E+03
Oxalic Acid	1.38E+04	1.38E+04	2.66E+04

Chemical Component	CCA mass (kg)	CRA-2004 PABC mass (kg)	New Inventory mass (kg)
Sodium Oxalate	--	3.39E+04	6.46E+02
Sodium EDTA	2.30E+01	2.56E+01	3.54E+02

6.0 GLOSSARY

40 CFR Part 191, Protection of Environment - EPA: Environmental Radiation Protection Standards for Management and Disposal of Spent Nuclear Fuel, High-Level and Transuranic Radioactive Wastes – The EPA’s environmental standards for the management and storage are in Subpart A, environmental standards for disposal of spent nuclear fuel, and high-level and TRU radioactive wastes are in Subpart B, and environmental standards for groundwater protection are in Subpart C. Subpart A applies to the current operational period. Subparts B and C are the primary post-closure requirements that apply to WIPP.

Acceptable Knowledge (AK) - 40 CFR 194.2 defines Acceptable Knowledge as any information about the process used to generate waste, material inputs to the process, and the time period during which the waste was generated, as well as data resulting from the analysis of waste, conducted prior to or separate from the waste certification process authorized by EPA’s Certification Decision, to show compliance with Condition 3 of the certification decision appendix A of 40 CFR 194.2.

Anticipated Volume/Waste - As defined in this report, the sum of the total stored and total projected inventory volumes is the anticipated volume.

C&C Agreement– The agreement between DOE and the State of New Mexico that limits the volume of RH waste to be emplaced in WIPP to 7079 m³(250,000 ft³).

Cement - A dry powder made from silica, alumina, lime, iron oxide, and magnesia, which hardens when mixed with water. Used as an ingredient in concrete and also used to solidify liquid wastes, resulting in a homogeneous monolith.

Complexing Agent - See Organic Ligand.

Contact-Handled (CH) TRU Waste – Transuranic waste is waste with a surface dose rate not greater than 200 millirem per hour.

Current Form Waste - The chemical and physical status of waste when it is generated and as it is currently being stored on site.

Defense Waste - (1) Radioactive waste is waste resulting from any activity performed in whole or in part in support of DOE atomic energy defense activities:

- Naval reactors development
- Weapons activities, including defense inertial confinement fusion

- Verification and control technology
- Defense nuclear materials productions
- Defense nuclear waste and materials by-product management
- Defense nuclear materials security and safeguards and security investigations
- Defense research and development

Department of Energy Site - A DOE-owned or -controlled tract used for DOE operations. Either a tract owned by DOE or a tract leased or otherwise made available to the federal government under terms that afford to DOE rights of access and control substantially equal to those that DOE would possess if it were the holder of the fee (or pertinent interest therein) as agent of and on behalf of the government. One or more DOE operations/program activities are carried out within the boundaries of the described tract.

Disposal - Emplacement of waste in a manner that assures isolation from the biosphere for the foreseeable future with no intent of retrieval and that requires deliberate action to regain access to the waste. For example, disposal of waste in a mined geologic repository occurs when all of the shafts to the repository area are backfilled and sealed.

Disposal Inventory/Volume - The inventory volume defined for WIPP emplacement to be used for performance assessment calculations is the “disposal inventory.” The LWA defines the total amount of TRU waste allowed in the WIPP as approximately 175,560 m³ (6,200,000 ft³).

Emplaced Volume/Waste - Waste that has been placed in the WIPP, for disposal, as of the inventory date.

Final Form Volume/Waste - Form or volume of waste in approved packaging that will be shipped to and emplaced in WIPP.

Land Withdrawal Act - The 1992 legislation, passed by the U.S. Congress, withdrawing the surface land and underlying minerals at the WIPP site from public use, transferring the property from the Secretary of the Interior to the Secretary of Energy, and enabling the start of the WIPP Test Phase. This act was amended in 1996 by Public Law 104-201.

Organic Ligands - Organic molecules that are capable of binding to metals including but not limited to acetate, citrate, oxalate and ethylenediaminetetraacetic acid (EDTA).

Oxyanion - Negatively charged ionic species containing oxygen such as sulfate, nitrate, and phosphate.

Performance Assessment (PA) - Performance assessment is an analysis that: (1) identifies the processes and events that might affect the disposal system; (2) examines the effects of these processes and events on the performance of the disposal system; and (3) estimates the cumulative releases of radionuclides, considering the associated uncertainties, caused by all significant processes and events. These estimates are

incorporated into an overall probability distribution of cumulative release to the extent practicable.

Performance Assessment Baseline Calculations (PABC) - A PA performed that incorporates EPA requested changes and error corrections. The first PABC was performed as requested by EPA for the CRA-2004 and is referred to as the CRA-2004 PABC. The results of the CRA-2004 PABC became the WIPP regulatory performance baseline that demonstrated compliance with EPA's radioactive waste containment requirements.

Projected Inventory/Volume/Waste/Waste Stream - That part of the inventory that has not been generated but is estimated to be generated at some time in the future by the TRU waste sites. TRU waste in projected waste streams includes waste from programs that have not come on line at this time as well as waste from ongoing projects.

Radioactive - Term used to refer to an unstable atomic nucleus that decays with the spontaneous emission of ionizing radiation (also see “radionuclide”).

Radionuclide - (1) A species of atom having an unstable nucleus, that is subject to spontaneous decay or disintegration and usually accompanied by the emission of ionizing radiation. (2) Any nuclide that emits radiation. A nuclide is a species of atom characterized by the constitution of its nucleus and hence by the number of protons, the number of neutrons, and the energy content.

Remote-Handled (RH) TRU Waste – Transuranic waste is waste with a surface dose rate of 200 millirem per hour or greater. The WIPP LWA limits RH waste to less than or equal to 1,000 rems per hour, and no more than 5% by volume of RH waste may have a surface dose rate in excess of 100 rems per hour.

Scaling - The process for adjusting the CH- and RH-TRU waste volumes so that the stored, projected, and emplaced inventories in WIPP apply to the “disposal inventory” or regulatory limits for performance assessment modeling purposes. Only the projected waste stream volumes are scaled.

Stored Inventory/Volume/Waste - That part of the TRU waste inventory currently in retrievable storage as of the time of the last data cut off data for inventory information. Stored inventory can be in the “current form waste” or “final form waste.”

Supersack - Woven plastic (polypropylene) bags used to contain MgO used in backfill in the WIPP repository. .

Transuranic - Pertaining to elements that have atomic numbers greater than 92, including neptunium, plutonium, americium, and curium. All are radioactive, are not naturally occurring, and are members of the actinide group.

Transuranic (TRU) Waste - (1) Waste containing alpha-emitting radionuclides with an atomic number greater than 92 and half-lives greater than 20 years, at concentrations of TRU isotopes greater than 100 nanocuries per gram of waste. This core definition appears in modified form in various relevant documents including DOE M 435.1-1 and

the Land Withdrawal Act. The Land Withdrawal Act definition of transuranic waste is as follows: "Transuranic waste is radioactive waste containing more than 100 nanocuries (3700 Becquerel's) of alpha-emitting transuranic isotopes per gram of waste, with half lives greater than 20 years, except for: (1) High-level radioactive waste; (2) waste that the Secretary of Energy has determined, with the concurrence of the Administration of the Environmental Protection Agency, does not need the degree of isolation required by 40 CFR Part 191 disposal regulations; (3) waste that the Nuclear Regulatory Commission has approved for disposal on a case-by-case basis in accordance with 10 CFR Part 61."

TRU Waste Sites - The major DOE facilities and several smaller sites throughout the U.S. that generate and store TRU waste.

WIPP Waste Stream - A waste stream that is being planned for shipment to WIPP or is currently certified and being shipped to WIPP

Waste Isolation Pilot Plant (WIPP) - (1) The project authorized under Section 213 of the DOE National Security and Military Applications of Nuclear Energy Authorization Act of 1980 to demonstrate the safe and environmentally sound disposal of radioactive waste materials generated by atomic energy defense activities. (2) A research and development facility located near Carlsbad, New Mexico, to be used to demonstrate the safe disposal in deep geologic repositories of TRU waste resulting from DOE activities.

Waste Material Parameter (WMP) - A waste material that occurs in TRU waste that is an input parameter into one (or more) current PA model(s). As an example, cellulose, plastic, and rubber are monitored as contributors to the generation of gas in WIPP.

Waste Stream - Waste material generated from a single process or from an activity that is similar in material, physical form, and hazardous constituents.

7.0 REFERENCES

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APPENDIX A: WIPP-Scale Disposal Radionuclide Inventory

Table A 1. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2033

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Ac-225	5.22E-05	8.79E+00	5.90E-04	4.18E+00
Ac-227	1.34E-05	2.26E+00	2.22E-05	1.57E-01
Ac-228	1.55E-06	2.61E-01	9.20E-06	6.51E-02
Ag-108	3.25E-14	5.47E-09	--	--
Ag-108m	3.65E-13	6.16E-08	--	--
Ag-109m	6.63E-13	1.12E-07	9.05E-18	6.41E-14
Ag-110	4.10E-20	6.90E-15	2.51E-28	1.78E-24
Ag-110m	3.11E-18	5.24E-13	1.91E-26	1.35E-22
Am-241	2.78E+00	4.68E+05	6.33E-01	4.48E+03
Am-242	1.36E-04	2.29E+01	3.76E-05	2.66E-01
Am-242m	1.38E-04	2.33E+01	3.83E-05	2.71E-01
Am-243	4.26E-04	7.17E+01	1.10E-03	7.80E+00
Am-245	3.04E-19	5.12E-14	2.13E-27	1.51E-23
At-217	5.22E-05	8.80E+00	5.91E-04	4.18E+00
Ba-133	1.17E-08	1.98E-03	1.15E-11	8.12E-08
Ba-137m	3.04E-03	5.12E+02	1.17E+01	8.32E+04
Bi-210	1.02E-05	1.73E+00	2.00E-03	1.42E+01
Bi-211	1.33E-05	2.24E+00	2.20E-05	1.56E-01
Bi-212	2.41E-04	4.06E+01	2.85E-03	2.02E+01
Bi-213	5.21E-05	8.78E+00	5.89E-04	4.17E+00
Bi-214	1.30E-05	2.19E+00	2.56E-03	1.81E+01
Bk-249	2.10E-14	3.54E-09	1.47E-22	1.04E-18
Bk-250	2.60E-17	4.38E-12	2.31E-16	1.63E-12
C-14	3.33E-05	5.61E+00	2.62E-06	1.86E-02
Cd-109	6.71E-13	1.13E-07	9.17E-18	6.49E-14
Cd-113m	--	--	3.46E-04	2.45E+00
Ce-144	7.87E-16	1.33E-10	8.98E-13	6.36E-09
Cf-249	5.78E-04	9.74E+01	1.82E-05	1.29E-01
Cf-250	2.68E-07	4.52E-02	1.70E-06	1.20E-02
Cf-251	1.76E-07	2.96E-02	8.70E-08	6.16E-04
Cf-252	1.95E-07	3.28E-02	2.59E-08	1.83E-04
Cl-36	1.19E-08	2.00E-03	--	--
Cm-242	1.14E-04	1.92E+01	3.16E-05	2.23E-01
Cm-243	7.94E-06	1.34E+00	2.95E-04	2.09E+00
Cm-244	1.55E-02	2.61E+03	6.16E-02	4.36E+02
Cm-245	3.48E-06	5.86E-01	1.17E-05	8.26E-02
Cm-246	2.25E-05	3.79E+00	3.92E-04	2.77E+00
Cm-247	1.58E-07	2.65E-02	2.24E-11	1.59E-07
Cm-248	7.34E-07	1.24E-01	1.08E-06	7.63E-03
Cm-250	4.73E-16	7.97E-11	4.20E-15	2.97E-11
Co-60	3.69E-07	6.22E-02	1.73E-03	1.22E+01

Table A 1. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2033
Continued

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Cs-134	2.98E-08	5.01E-03	1.55E-05	1.10E-01
Cs-135	--	--	1.53E-06	1.08E-02
Cs-137	3.25E-03	5.48E+02	1.26E+01	8.89E+04
Es-254	4.74E-28	7.99E-23	--	--
Eu-150	7.61E-09	1.28E-03	--	--
Eu-152	8.14E-06	1.37E+00	3.77E-04	2.67E+00
Eu-154	2.11E-05	3.55E+00	1.13E-02	8.03E+01
Eu-155	2.84E-07	4.79E-02	4.49E-03	3.18E+01
Fe-55	2.27E-11	3.82E-06	9.99E-08	7.07E-04
Fr-221	5.21E-05	8.78E+00	5.90E-04	4.18E+00
Fr-223	1.83E-07	3.09E-02	3.04E-07	2.15E-03
Gd-152	1.06E-18	1.79E-13	1.35E-16	9.57E-13
H-3	7.99E-03	1.35E+03	9.53E-02	6.74E+02
Ho-166m	3.85E-10	6.48E-05	2.84E-11	2.01E-07
I-129	1.00E-05	1.69E+00	8.78E-07	6.22E-03
K-40	3.26E-08	5.50E-03	--	--
Kr-81	--	--	2.55E-11	1.80E-07
Kr-85	4.17E-05	7.03E+00	5.68E-03	4.02E+01
Mn-54	4.94E-18	8.33E-13	4.40E-18	3.12E-14
Mo-93	--	--	2.56E-08	1.82E-04
Na-22	1.19E-09	2.01E-04	2.59E-13	1.83E-09
Nb-93m	5.13E-09	8.64E-04	1.03E-04	7.29E-01
Nb-94	1.03E-09	1.74E-04	2.67E-09	1.89E-05
Ni-59	6.69E-07	1.13E-01	2.01E-06	1.42E-02
Ni-63	1.98E-05	3.34E+00	5.96E-03	4.22E+01
Np-237	2.16E-04	3.65E+01	3.52E-04	2.49E+00
Np-238	6.82E-07	1.15E-01	1.89E-07	1.34E-03
Np-239	4.20E-04	7.08E+01	1.09E-03	7.70E+00
Np-240m	2.09E-09	3.52E-04	3.33E-10	2.36E-06
Pa-231	2.24E-06	3.78E-01	2.64E-05	1.87E-01
Pa-233	2.15E-04	3.61E+01	3.48E-04	2.47E+00
Pa-234	2.07E-07	3.48E-02	5.37E-08	3.80E-04
Pa-234m	1.59E-04	2.68E+01	4.13E-05	2.93E-01
Pb-209	5.22E-05	8.79E+00	5.90E-04	4.18E+00
Pb-210	1.04E-05	1.75E+00	2.02E-03	1.43E+01
Pb-211	1.33E-05	2.24E+00	2.20E-05	1.56E-01
Pb-212	2.40E-04	4.05E+01	2.84E-03	2.01E+01
Pb-214	1.30E-05	2.19E+00	2.56E-03	1.81E+01
Pd-107	--	--	5.00E-08	3.54E-04
Pm-146	--	--	2.01E-12	1.42E-08
Pm-147	3.02E-07	5.09E-02	1.67E-04	1.18E+00

Table A 1. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2033
Continued

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Po-210	1.04E-05	1.75E+00	2.02E-03	1.43E+01
Po-211	4.06E-08	6.83E-03	6.71E-08	4.75E-04
Po-212	1.54E-04	2.59E+01	1.82E-03	1.29E+01
Po-213	5.10E-05	8.60E+00	5.77E-04	4.09E+00
Po-214	1.30E-05	2.19E+00	2.56E-03	1.81E+01
Po-215	1.33E-05	2.24E+00	2.20E-05	1.56E-01
Po-216	2.40E-04	4.05E+01	2.84E-03	2.01E+01
Po-218	1.28E-05	2.15E+00	2.52E-03	1.78E+01
Pr-144	7.71E-16	1.30E-10	8.80E-13	6.23E-09
Pu-236	1.49E-10	2.51E-05	2.12E-14	1.50E-10
Pu-238	8.71E+00	1.47E+06	7.22E-01	5.11E+03
Pu-239	3.03E+00	5.10E+05	4.12E-01	2.92E+03
Pu-240	8.54E-01	1.44E+05	1.40E-01	9.89E+02
Pu-241	3.00E+00	5.06E+05	5.57E-01	3.94E+03
Pu-242	4.43E-04	7.46E+01	1.77E-04	1.25E+00
Pu-243	1.56E-07	2.62E-02	2.22E-11	1.57E-07
Pu-244	2.07E-09	3.48E-04	3.30E-10	2.34E-06
Ra-223	1.35E-05	2.27E+00	2.23E-05	1.58E-01
Ra-224	2.40E-04	4.04E+01	2.84E-03	2.01E+01
Ra-225	5.22E-05	8.80E+00	5.91E-04	4.18E+00
Ra-226	1.31E-05	2.21E+00	2.59E-03	1.83E+01
Ra-228	1.83E-06	3.08E-01	1.09E-05	7.69E-02
Rb-87	--	--	1.37E-10	9.68E-07
Rh-106	9.61E-13	1.62E-07	3.75E-17	2.65E-13
Rn-219	1.33E-05	2.24E+00	2.20E-05	1.56E-01
Rn-220	2.40E-04	4.05E+01	2.84E-03	2.01E+01
Rn-222	1.30E-05	2.19E+00	2.57E-03	1.82E+01
Ru-106	9.71E-13	1.64E-07	3.79E-17	2.68E-13
Sb-125	3.07E-08	5.18E-03	5.39E-07	3.82E-03
Sb-126	1.66E-06	2.80E-01	3.26E-05	2.31E-01
Sb-126m	1.19E-05	2.00E+00	2.33E-04	1.65E+00
Se-79	4.36E-07	7.35E-02	2.18E-05	1.54E-01
Sm-146	--	--	1.32E-18	9.35E-15
Sm-147	1.16E-14	1.96E-09	1.46E-11	1.03E-07
Sm-151	4.96E-05	8.35E+00	1.82E-02	1.29E+02
Sn-121m	--	--	5.52E-06	3.91E-02
Sn-126	1.19E-05	2.00E+00	2.33E-04	1.65E+00
Sr-90	2.98E-03	5.03E+02	1.13E+01	7.99E+04
Tc-99	2.57E-04	4.33E+01	1.35E-03	9.54E+00
Te-123	1.07E-23	1.80E-18	--	--
Te-125m	7.46E-09	1.26E-03	1.31E-07	9.24E-04

Table A 1. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2033
Continued

Radionuclide	CH Activity Concentration (Ci/m³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m³)	RH Total Activity (Ci)
Th-227	1.31E-05	2.21E+00	2.17E-05	1.53E-01
Th-228	2.43E-04	4.10E+01	2.87E-03	2.03E+01
Th-229	5.23E-05	8.81E+00	5.92E-04	4.19E+00
Th-230	3.49E-06	5.87E-01	1.30E-06	9.20E-03
Th-231	2.59E-05	4.37E+00	9.82E-06	6.95E-02
Th-232	1.63E-06	2.75E-01	9.69E-06	6.86E-02
Th-234	1.59E-04	2.68E+01	4.14E-05	2.93E-01
Tl-204	1.39E-13	2.34E-08	--	--
Tl-207	1.32E-05	2.23E+00	2.19E-05	1.55E-01
Tl-208	8.65E-05	1.46E+01	1.02E-03	7.24E+00
Tl-209	1.15E-06	1.93E-01	1.30E-05	9.19E-02
U-232	2.35E-04	3.95E+01	2.78E-03	1.97E+01
U-233	9.26E-04	1.56E+02	7.19E-03	5.09E+01
U-234	1.81E-03	3.04E+02	7.32E-04	5.18E+00
U-235	2.62E-05	4.42E+00	9.94E-06	7.04E-02
U-236	8.03E-06	1.35E+00	3.50E-05	2.48E-01
U-237	7.37E-05	1.24E+01	1.37E-05	9.68E-02
U-238	1.61E-04	2.71E+01	4.18E-05	2.96E-01
U-240	2.05E-09	3.45E-04	3.27E-10	2.31E-06
Y-90	2.95E-03	4.97E+02	1.12E+01	7.89E+04
Zn-65	1.99E-21	3.35E-16	1.20E-20	8.51E-17
Zr-93	6.79E-09	1.14E-03	1.13E-04	8.01E-01
Grand Total	1.84E+01	3.10E+06	4.95E+01	3.50E+05

Table A 2. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2133

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Ac-225	6.03E-05	1.02E+01	6.52E-04	4.61E+00
Ac-227	2.74E-06	4.62E-01	2.62E-05	1.85E-01
Ac-228	1.61E-06	2.72E-01	9.57E-06	6.77E-02
Ag-108	1.88E-14	3.17E-09	--	--
Ag-108m	2.12E-13	3.57E-08	--	--
Am-241	2.45E+00	4.13E+05	5.55E-01	3.93E+03
Am-242	8.60E-05	1.45E+01	2.39E-05	1.69E-01
Am-242m	8.75E-05	1.47E+01	2.43E-05	1.72E-01
Am-243	4.22E-04	7.11E+01	1.09E-03	7.72E+00
At-217	6.04E-05	1.02E+01	6.52E-04	4.62E+00
Ba-133	1.85E-11	3.11E-06	1.81E-14	1.28E-10
Ba-137m	3.02E-04	5.08E+01	1.17E+00	8.25E+03
Bi-210	1.26E-05	2.12E+00	2.46E-03	1.74E+01
Bi-211	2.71E-06	4.56E-01	2.59E-05	1.83E-01
Bi-212	9.31E-05	1.57E+01	1.09E-03	7.75E+00
Bi-213	6.02E-05	1.01E+01	6.51E-04	4.61E+00
Bi-214	1.26E-05	2.12E+00	2.45E-03	1.73E+01
Bk-250	2.59E-17	4.36E-12	2.30E-16	1.63E-12
C-14	3.29E-05	5.55E+00	2.59E-06	1.83E-02
Cd-113m	--	--	2.99E-06	2.12E-02
Cf-249	4.74E-04	7.99E+01	1.50E-05	1.06E-01
Cf-250	1.34E-09	2.25E-04	8.47E-09	6.00E-05
Cf-251	1.63E-07	2.74E-02	8.05E-08	5.70E-04
Cf-252	7.56E-19	1.27E-13	1.00E-19	7.10E-16
Cl-36	1.19E-08	2.00E-03	--	--
Cm-242	7.21E-05	1.21E+01	2.00E-05	1.42E-01
Cm-243	6.97E-07	1.18E-01	2.59E-05	1.84E-01
Cm-244	3.37E-04	5.68E+01	1.34E-03	9.49E+00
Cm-245	7.72E-06	1.30E+00	1.17E-05	8.29E-02
Cm-246	2.21E-05	3.73E+00	3.86E-04	2.73E+00
Cm-247	1.58E-07	2.65E-02	2.28E-11	1.61E-07
Cm-248	7.33E-07	1.24E-01	1.08E-06	7.62E-03
Cm-250	4.71E-16	7.94E-11	4.18E-15	2.96E-11
Co-60	7.15E-13	1.21E-07	3.35E-09	2.37E-05
Cs-134	7.49E-23	1.26E-17	3.91E-20	2.77E-16
Cs-135	--	--	1.53E-06	1.08E-02
Cs-137	3.22E-04	5.43E+01	1.25E+00	8.82E+03
Eu-150	1.11E-09	1.87E-04	--	--
Eu-152	4.98E-08	8.39E-03	2.31E-06	1.63E-02
Eu-154	6.67E-09	1.12E-03	3.59E-06	2.54E-02
Eu-155	2.42E-13	4.08E-08	3.82E-09	2.71E-05

Table A 2. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2133
Continued

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Fe-55	5.98E-23	1.01E-17	2.64E-19	1.87E-15
Fr-221	6.03E-05	1.02E+01	6.51E-04	4.61E+00
Fr-223	3.74E-08	6.31E-03	3.57E-07	2.53E-03
Gd-152	1.34E-18	2.26E-13	1.48E-16	1.05E-12
H-3	2.92E-05	4.92E+00	3.48E-04	2.46E+00
Ho-166m	3.63E-10	6.12E-05	2.68E-11	1.89E-07
I-129	1.00E-05	1.69E+00	8.78E-07	6.22E-03
K-40	3.26E-08	5.50E-03	--	--
Kr-81	--	--	2.55E-11	1.80E-07
Kr-85	6.49E-08	1.09E-02	8.84E-06	6.25E-02
Mo-93	--	--	2.51E-08	1.78E-04
Na-22	3.21E-21	5.41E-16	6.97E-25	4.94E-21
Nb-93m	6.45E-09	1.09E-03	1.08E-04	7.62E-01
Nb-94	1.03E-09	1.73E-04	2.66E-09	1.88E-05
Ni-59	6.68E-07	1.13E-01	2.01E-06	1.42E-02
Ni-63	9.31E-06	1.57E+00	2.80E-03	1.98E+01
Np-237	3.02E-04	5.10E+01	3.72E-04	2.63E+00
Np-238	4.32E-07	7.28E-02	1.20E-07	8.49E-04
Np-239	4.16E-04	7.01E+01	1.08E-03	7.62E+00
Np-240m	2.09E-09	3.52E-04	3.34E-10	2.37E-06
Pa-231	2.29E-06	3.87E-01	2.63E-05	1.86E-01
Pa-233	3.00E-04	5.05E+01	3.68E-04	2.61E+00
Pa-234	2.07E-07	3.48E-02	5.37E-08	3.80E-04
Pa-234m	1.59E-04	2.68E+01	4.13E-05	2.93E-01
Pb-209	6.03E-05	1.02E+01	6.52E-04	4.61E+00
Pb-210	1.27E-05	2.15E+00	2.49E-03	1.76E+01
Pb-211	2.71E-06	4.57E-01	2.59E-05	1.83E-01
Pb-212	9.28E-05	1.56E+01	1.09E-03	7.73E+00
Pb-214	1.26E-05	2.13E+00	2.45E-03	1.74E+01
Pd-107	--	--	5.00E-08	3.54E-04
Pm-146	--	--	6.75E-18	4.78E-14
Pm-147	1.01E-18	1.71E-13	5.60E-16	3.96E-12
Po-210	1.27E-05	2.15E+00	2.49E-03	1.76E+01
Po-211	8.27E-09	1.39E-03	7.89E-08	5.59E-04
Po-212	5.93E-05	1.00E+01	6.98E-04	4.94E+00
Po-213	5.90E-05	9.94E+00	6.38E-04	4.51E+00
Po-214	1.26E-05	2.13E+00	2.45E-03	1.74E+01
Po-215	2.71E-06	4.57E-01	2.59E-05	1.83E-01
Po-216	9.27E-05	1.56E+01	1.09E-03	7.72E+00
Po-218	1.24E-05	2.09E+00	2.41E-03	1.71E+01
Pu-236	4.53E-21	7.63E-16	5.83E-25	4.13E-21

Table A 2. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2133
Continued

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Pu-238	3.96E+00	6.66E+05	3.28E-01	2.32E+03
Pu-239	3.02E+00	5.08E+05	4.11E-01	2.91E+03
Pu-240	8.45E-01	1.42E+05	1.38E-01	9.80E+02
Pu-241	2.44E-02	4.11E+03	4.53E-03	3.21E+01
Pu-242	4.43E-04	7.46E+01	1.77E-04	1.25E+00
Pu-243	1.56E-07	2.62E-02	2.25E-11	1.60E-07
Pu-244	2.07E-09	3.48E-04	3.31E-10	2.34E-06
Ra-223	2.74E-06	4.62E-01	2.62E-05	1.85E-01
Ra-224	9.26E-05	1.56E+01	1.09E-03	7.71E+00
Ra-225	6.03E-05	1.02E+01	6.52E-04	4.62E+00
Ra-226	1.28E-05	2.15E+00	2.48E-03	1.76E+01
Ra-228	1.90E-06	3.21E-01	1.13E-05	8.00E-02
Rb-87	--	--	1.37E-10	9.68E-07
Rn-219	2.71E-06	4.57E-01	2.59E-05	1.83E-01
Rn-220	9.27E-05	1.56E+01	1.09E-03	7.72E+00
Rn-222	1.26E-05	2.13E+00	2.46E-03	1.74E+01
Sb-125	4.17E-19	7.03E-14	7.31E-18	5.17E-14
Sb-126	1.66E-06	2.80E-01	3.26E-05	2.31E-01
Sb-126m	1.19E-05	2.00E+00	2.33E-04	1.65E+00
Se-79	4.36E-07	7.34E-02	2.18E-05	1.54E-01
Sm-146	--	--	1.36E-18	9.63E-15
Sm-147	1.16E-14	1.96E-09	1.46E-11	1.03E-07
Sm-151	2.29E-05	3.87E+00	8.44E-03	5.97E+01
Sn-121m	--	--	1.38E-06	9.76E-03
Sn-126	1.19E-05	2.00E+00	2.33E-04	1.65E+00
Sr-90	2.76E-04	4.65E+01	1.04E+00	7.39E+03
Tc-99	2.57E-04	4.32E+01	1.35E-03	9.53E+00
Te-123	1.07E-23	1.80E-18	--	--
Te-125m	1.01E-19	1.70E-14	1.77E-18	1.25E-14
Th-227	2.67E-06	4.50E-01	2.55E-05	1.81E-01
Th-228	9.39E-05	1.58E+01	1.10E-03	7.81E+00
Th-229	6.04E-05	1.02E+01	6.53E-04	4.62E+00
Th-230	5.98E-06	1.01E+00	2.03E-06	1.44E-02
Th-231	2.62E-05	4.42E+00	9.86E-06	6.98E-02
Th-232	1.63E-06	2.75E-01	9.69E-06	6.86E-02
Th-234	1.59E-04	2.68E+01	4.14E-05	2.93E-01
Tl-204	1.66E-21	2.80E-16	--	--
Tl-207	2.70E-06	4.55E-01	2.57E-05	1.82E-01
Tl-208	3.34E-05	5.63E+00	3.93E-04	2.78E+00
Tl-209	1.33E-06	2.23E-01	1.43E-05	1.01E-01
U-232	8.96E-05	1.51E+01	1.06E-03	7.52E+00

**Table A 2. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2133
 Continued**

Radionuclide	CH Activity Concentration (Ci/m³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m³)	RH Total Activity (Ci)
U-233	9.26E-04	1.56E+02	7.19E-03	5.09E+01
U-234	3.51E-03	5.92E+02	8.73E-04	6.18E+00
U-235	2.65E-05	4.47E+00	9.98E-06	7.07E-02
U-236	1.06E-05	1.78E+00	3.54E-05	2.51E-01
U-237	5.99E-07	1.01E-01	1.11E-07	7.88E-04
U-238	1.61E-04	2.71E+01	4.18E-05	2.96E-01
U-240	2.05E-09	3.45E-04	3.28E-10	2.32E-06
Y-90	2.73E-04	4.60E+01	1.03E+00	7.30E+03
Zr-93	6.79E-09	1.14E-03	1.13E-04	8.00E-01
Grand Total	1.03E+01	1.74E+06	5.99E+00	4.24E+04

Table A 3. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2383

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Ac-225	8.03E-05	1.35E+01	8.03E-04	5.68E+00
Ac-227	2.43E-06	4.09E-01	2.63E-05	1.86E-01
Ac-228	1.61E-06	2.72E-01	9.57E-06	6.77E-02
Ag-108	4.81E-15	8.10E-10	--	--
Ag-108m	5.41E-14	9.11E-09	--	--
Am-241	1.64E+00	2.77E+05	3.72E-01	2.63E+03
Am-242	2.75E-05	4.63E+00	7.63E-06	5.40E-02
Am-242m	2.80E-05	4.71E+00	7.76E-06	5.49E-02
Am-243	4.12E-04	6.94E+01	1.07E-03	7.55E+00
At-217	8.04E-05	1.35E+01	8.04E-04	5.69E+00
Ba-133	1.81E-18	3.05E-13	1.77E-21	1.25E-17
Ba-137m	9.35E-07	1.57E-01	3.61E-03	2.56E+01
Bi-210	1.24E-05	2.09E+00	2.20E-03	1.56E+01
Bi-211	2.40E-06	4.04E-01	2.59E-05	1.84E-01
Bi-212	9.87E-06	1.66E+00	1.07E-04	7.60E-01
Bi-213	8.02E-05	1.35E+01	8.02E-04	5.67E+00
Bi-214	1.24E-05	2.09E+00	2.20E-03	1.56E+01
Bk-250	2.56E-17	4.32E-12	2.27E-16	1.61E-12
C-14	3.19E-05	5.38E+00	2.51E-06	1.78E-02
Cd-113m	--	--	2.08E-11	1.47E-07
Cf-249	2.89E-04	4.87E+01	9.13E-06	6.46E-02
Cf-250	2.39E-15	4.03E-10	1.52E-14	1.08E-10
Cf-251	1.34E-07	2.26E-02	6.64E-08	4.70E-04
Cl-36	1.19E-08	2.00E-03	--	--
Cm-242	2.31E-05	3.89E+00	6.40E-06	4.53E-02
Cm-243	1.60E-09	2.69E-04	5.93E-08	4.20E-04
Cm-244	2.36E-08	3.97E-03	9.37E-08	6.64E-04
Cm-245	1.51E-05	2.55E+00	1.17E-05	8.29E-02
Cm-246	2.14E-05	3.60E+00	3.72E-04	2.63E+00
Cm-247	1.58E-07	2.65E-02	2.36E-11	1.67E-07
Cm-248	7.33E-07	1.24E-01	1.08E-06	7.62E-03
Cm-250	4.67E-16	7.86E-11	4.14E-15	2.93E-11
Co-60	2.74E-27	4.61E-22	1.61E-23	1.14E-19
Cs-135	--	--	1.53E-06	1.08E-02
Cs-137	1.00E-06	1.68E-01	3.86E-03	2.73E+01
Eu-150	9.01E-12	1.52E-06	--	--
Eu-152	1.46E-13	2.46E-08	6.76E-12	4.79E-08
Eu-154	1.18E-17	1.99E-12	6.36E-15	4.51E-11
Fr-221	8.02E-05	1.35E+01	8.02E-04	5.68E+00
Fr-223	3.31E-08	5.58E-03	3.59E-07	2.54E-03
Gd-152	1.34E-18	2.26E-13	1.48E-16	1.05E-12

**Table A 3. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2383
 Continued**

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
H-3	2.35E-11	3.96E-06	2.80E-10	1.98E-06
Ho-166m	3.14E-10	5.30E-05	2.32E-11	1.64E-07
I-129	1.00E-05	1.69E+00	8.78E-07	6.22E-03
K-40	3.26E-08	5.50E-03	--	--
Kr-81	--	--	2.55E-11	1.80E-07
Kr-85	6.20E-15	1.04E-09	8.43E-13	5.97E-09
Mo-93	--	--	2.39E-08	1.69E-04
Nb-93m	6.46E-09	1.09E-03	1.08E-04	7.62E-01
Nb-94	1.02E-09	1.72E-04	2.64E-09	1.87E-05
Ni-59	6.67E-07	1.12E-01	2.00E-06	1.42E-02
Ni-63	1.42E-06	2.39E-01	4.26E-04	3.02E+00
Np-237	4.69E-04	7.90E+01	4.09E-04	2.90E+00
Np-238	1.38E-07	2.33E-02	3.83E-08	2.71E-04
Np-239	4.07E-04	6.85E+01	1.05E-03	7.45E+00
Np-240m	2.09E-09	3.52E-04	3.36E-10	2.38E-06
Pa-231	2.42E-06	4.08E-01	2.63E-05	1.86E-01
Pa-233	4.65E-04	7.83E+01	4.05E-04	2.87E+00
Pa-234	2.07E-07	3.48E-02	5.37E-08	3.80E-04
Pa-234m	1.59E-04	2.68E+01	4.13E-05	2.93E-01
Pb-209	8.03E-05	1.35E+01	8.03E-04	5.68E+00
Pb-210	1.26E-05	2.12E+00	2.23E-03	1.58E+01
Pb-211	2.40E-06	4.04E-01	2.60E-05	1.84E-01
Pb-212	9.83E-06	1.66E+00	1.07E-04	7.58E-01
Pb-214	1.24E-05	2.09E+00	2.20E-03	1.56E+01
Pd-107	--	--	5.00E-08	3.54E-04
Pm-146	--	--	1.40E-31	9.91E-28
Po-210	1.25E-05	2.11E+00	2.23E-03	1.58E+01
Po-211	7.31E-09	1.23E-03	7.92E-08	5.61E-04
Po-212	6.28E-06	1.06E+00	6.84E-05	4.84E-01
Po-213	7.86E-05	1.32E+01	7.85E-04	5.56E+00
Po-214	1.24E-05	2.09E+00	2.20E-03	1.56E+01
Po-215	2.40E-06	4.04E-01	2.60E-05	1.84E-01
Po-216	9.82E-06	1.66E+00	1.07E-04	7.57E-01
Po-218	1.22E-05	2.06E+00	2.17E-03	1.53E+01
Pu-236	3.98E-22	6.71E-17	--	--
Pu-238	5.49E-01	9.25E+04	4.55E-02	3.22E+02
Pu-239	2.99E+00	5.05E+05	4.08E-01	2.89E+03
Pu-240	8.23E-01	1.39E+05	1.35E-01	9.54E+02
Pu-241	1.52E-05	2.56E+00	1.17E-05	8.29E-02
Pu-242	4.43E-04	7.46E+01	1.77E-04	1.26E+00
Pu-243	1.56E-07	2.62E-02	2.33E-11	1.65E-07

**Table A 3. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2383
 Continued**

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Pu-244	2.07E-09	3.49E-04	3.33E-10	2.36E-06
Ra-223	2.42E-06	4.09E-01	2.63E-05	1.86E-01
Ra-224	9.81E-06	1.65E+00	1.07E-04	7.56E-01
Ra-225	8.04E-05	1.35E+01	8.03E-04	5.69E+00
Ra-226	1.26E-05	2.12E+00	2.23E-03	1.58E+01
Ra-228	1.90E-06	3.21E-01	1.13E-05	8.00E-02
Rb-87	--	--	1.37E-10	9.68E-07
Rn-219	2.40E-06	4.04E-01	2.60E-05	1.84E-01
Rn-220	9.83E-06	1.66E+00	1.07E-04	7.57E-01
Rn-222	1.24E-05	2.10E+00	2.20E-03	1.56E+01
Sb-126	1.66E-06	2.79E-01	3.26E-05	2.31E-01
Sb-126m	1.18E-05	1.99E+00	2.33E-04	1.65E+00
Se-79	4.35E-07	7.32E-02	2.17E-05	1.54E-01
Sm-146	--	--	1.36E-18	9.63E-15
Sm-147	1.16E-14	1.96E-09	1.46E-11	1.03E-07
Sm-151	3.35E-06	5.64E-01	1.23E-03	8.71E+00
Sn-121m	--	--	4.30E-08	3.04E-04
Sn-126	1.19E-05	2.00E+00	2.33E-04	1.65E+00
Sr-90	7.19E-07	1.21E-01	2.72E-03	1.92E+01
Tc-99	2.56E-04	4.32E+01	1.35E-03	9.53E+00
Te-123	1.07E-23	1.80E-18	--	--
Th-227	2.36E-06	3.98E-01	2.56E-05	1.81E-01
Th-228	9.94E-06	1.68E+00	1.08E-04	7.66E-01
Th-229	8.05E-05	1.36E+01	8.05E-04	5.70E+00
Th-230	1.57E-05	2.64E+00	4.13E-06	2.93E-02
Th-231	2.69E-05	4.54E+00	9.96E-06	7.05E-02
Th-232	1.63E-06	2.75E-01	9.69E-06	6.86E-02
Th-234	1.59E-04	2.68E+01	4.14E-05	2.93E-01
Tl-207	2.38E-06	4.02E-01	2.58E-05	1.83E-01
Tl-208	3.54E-06	5.96E-01	3.85E-05	2.73E-01
Tl-209	1.77E-06	2.97E-01	1.76E-05	1.25E-01
U-232	8.07E-06	1.36E+00	9.57E-05	6.78E-01
U-233	9.25E-04	1.56E+02	7.18E-03	5.08E+01
U-234	4.74E-03	7.98E+02	9.74E-04	6.89E+00
U-235	2.73E-05	4.60E+00	1.01E-05	7.14E-02
U-236	1.67E-05	2.82E+00	3.64E-05	2.58E-01
U-237	3.73E-10	6.29E-05	2.87E-10	2.03E-06
U-238	1.61E-04	2.71E+01	4.18E-05	2.96E-01
U-240	2.05E-09	3.45E-04	3.30E-10	2.33E-06
Y-90	7.11E-07	1.20E-01	2.69E-03	1.90E+01
Zr-93	6.79E-09	1.14E-03	1.13E-04	8.00E-01

**Table A 3. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 2383
Continued**

Radionuclide	CH Activity Concentration (Ci/m³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m³)	RH Total Activity (Ci)
Grand Total	6.02E+00	1.01E+06	1.02E+00	7.19E+03

Table A 4. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 3033

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Ac-225	1.30E-04	2.19E+01	1.18E-03	8.34E+00
Ac-227	2.78E-06	4.68E-01	2.61E-05	1.85E-01
Ac-228	1.61E-06	2.72E-01	9.57E-06	6.77E-02
Ag-108	1.39E-16	2.33E-11	--	--
Ag-108m	1.56E-15	2.62E-10	--	--
Am-241	5.79E-01	9.76E+04	1.31E-01	9.28E+02
Am-242	1.42E-06	2.39E-01	3.94E-07	2.79E-03
Am-242m	1.44E-06	2.43E-01	4.00E-07	2.84E-03
Am-243	3.88E-04	6.53E+01	1.00E-03	7.10E+00
At-217	1.30E-04	2.19E+01	1.18E-03	8.35E+00
Ba-137m	2.81E-13	4.73E-08	1.08E-09	7.68E-06
Bi-210	1.84E-05	3.10E+00	1.66E-03	1.18E+01
Bi-211	2.74E-06	4.62E-01	2.57E-05	1.82E-01
Bi-212	1.64E-06	2.76E-01	9.80E-06	6.94E-02
Bi-213	1.30E-04	2.19E+01	1.18E-03	8.33E+00
Bi-214	1.84E-05	3.10E+00	1.66E-03	1.18E+01
Bk-250	2.50E-17	4.21E-12	2.22E-16	1.57E-12
C-14	2.95E-05	4.97E+00	2.32E-06	1.65E-02
Cd-113m	--	--	2.18E-28	1.55E-24
Cf-249	8.00E-05	1.35E+01	2.52E-06	1.79E-02
Cf-250	2.53E-17	4.26E-12	2.24E-16	1.59E-12
Cf-251	8.12E-08	1.37E-02	4.02E-08	2.84E-04
Cl-36	1.18E-08	1.99E-03	--	--
Cm-242	1.19E-06	2.01E-01	3.30E-07	2.34E-03
Cm-243	2.17E-16	3.66E-11	8.09E-15	5.73E-11
Cm-244	3.69E-19	6.22E-14	1.47E-18	1.04E-14
Cm-245	2.27E-05	3.83E+00	1.14E-05	8.05E-02
Cm-246	1.94E-05	3.27E+00	3.38E-04	2.39E+00
Cm-247	1.58E-07	2.65E-02	2.51E-11	1.78E-07
Cm-248	7.32E-07	1.23E-01	1.08E-06	7.61E-03
Cm-250	4.55E-16	7.66E-11	4.03E-15	2.86E-11
Cs-135	--	--	1.53E-06	1.08E-02
Cs-137	3.00E-13	5.06E-08	1.16E-09	8.21E-06
Eu-150	3.31E-17	5.57E-12	--	--
Fr-221	1.30E-04	2.19E+01	1.18E-03	8.33E+00
Fr-223	3.79E-08	6.39E-03	3.56E-07	2.52E-03
Gd-152	1.34E-18	2.26E-13	1.48E-16	1.05E-12
Ho-166m	2.16E-10	3.64E-05	1.59E-11	1.13E-07
I-129	1.00E-05	1.69E+00	8.78E-07	6.22E-03
K-40	3.26E-08	5.50E-03	--	--
Kr-81	--	--	2.54E-11	1.80E-07

**Table A 4. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 3033
 Continued**

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Mo-93	--	--	2.10E-08	1.49E-04
Nb-93m	6.46E-09	1.09E-03	1.08E-04	7.62E-01
Nb-94	9.98E-10	1.68E-04	2.58E-09	1.83E-05
Ni-59	6.63E-07	1.12E-01	1.99E-06	1.41E-02
Ni-63	1.06E-08	1.78E-03	3.18E-06	2.25E-02
Np-237	6.84E-04	1.15E+02	4.58E-04	3.24E+00
Np-238	7.13E-09	1.20E-03	1.98E-09	1.40E-05
Np-239	3.83E-04	6.45E+01	9.90E-04	7.01E+00
Np-240m	2.09E-09	3.53E-04	3.42E-10	2.42E-06
Pa-231	2.78E-06	4.68E-01	2.60E-05	1.84E-01
Pa-233	6.77E-04	1.14E+02	4.54E-04	3.21E+00
Pa-234	2.07E-07	3.48E-02	5.37E-08	3.80E-04
Pa-234m	1.59E-04	2.68E+01	4.13E-05	2.93E-01
Pb-209	1.30E-04	2.19E+01	1.18E-03	8.34E+00
Pb-210	1.86E-05	3.14E+00	1.68E-03	1.19E+01
Pb-211	2.75E-06	4.63E-01	2.58E-05	1.82E-01
Pb-212	1.63E-06	2.75E-01	9.77E-06	6.91E-02
Pb-214	1.84E-05	3.11E+00	1.66E-03	1.18E+01
Pd-107	--	--	5.00E-08	3.54E-04
Po-210	1.86E-05	3.14E+00	1.68E-03	1.19E+01
Po-211	8.37E-09	1.41E-03	7.86E-08	5.56E-04
Po-212	1.04E-06	1.76E-01	6.24E-06	4.42E-02
Po-213	1.27E-04	2.14E+01	1.15E-03	8.16E+00
Po-214	1.84E-05	3.11E+00	1.66E-03	1.18E+01
Po-215	2.75E-06	4.63E-01	2.58E-05	1.82E-01
Po-216	1.63E-06	2.74E-01	9.75E-06	6.90E-02
Po-218	1.81E-05	3.05E+00	1.64E-03	1.16E+01
Pu-236	3.97E-22	6.69E-17	--	--
Pu-238	3.23E-03	5.45E+02	2.68E-04	1.90E+00
Pu-239	2.94E+00	4.95E+05	4.00E-01	2.83E+03
Pu-240	7.68E-01	1.29E+05	1.26E-01	8.90E+02
Pu-241	2.26E-05	3.82E+00	1.13E-05	8.03E-02
Pu-242	4.42E-04	7.45E+01	1.78E-04	1.26E+00
Pu-243	1.56E-07	2.62E-02	2.48E-11	1.76E-07
Pu-244	2.07E-09	3.49E-04	3.39E-10	2.40E-06
Ra-223	2.78E-06	4.68E-01	2.61E-05	1.84E-01
Ra-224	1.63E-06	2.74E-01	9.75E-06	6.90E-02
Ra-225	1.30E-04	2.19E+01	1.18E-03	8.35E+00
Ra-226	1.87E-05	3.14E+00	1.68E-03	1.19E+01
Ra-228	1.90E-06	3.21E-01	1.13E-05	8.00E-02
Rb-87	--	--	1.37E-10	9.68E-07

**Table A 4. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 3033
 Continued**

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Rn-219	2.74E-06	4.62E-01	2.57E-05	1.82E-01
Rn-220	1.63E-06	2.75E-01	9.76E-06	6.91E-02
Rn-222	1.85E-05	3.11E+00	1.67E-03	1.18E+01
Sb-126	1.65E-06	2.78E-01	3.24E-05	2.30E-01
Sb-126m	1.18E-05	1.98E+00	2.31E-04	1.64E+00
Se-79	4.32E-07	7.28E-02	2.16E-05	1.53E-01
Sm-146	--	--	1.36E-18	9.63E-15
Sm-147	1.16E-14	1.96E-09	1.46E-11	1.03E-07
Sm-151	2.24E-08	3.77E-03	8.24E-06	5.83E-02
Sn-121m	--	--	5.22E-12	3.70E-08
Sn-126	1.18E-05	1.99E+00	2.32E-04	1.64E+00
Sr-90	1.37E-13	2.31E-08	5.19E-10	3.67E-06
Tc-99	2.56E-04	4.31E+01	1.34E-03	9.51E+00
Te-123	1.07E-23	1.80E-18	--	--
Th-227	2.70E-06	4.56E-01	2.54E-05	1.80E-01
Th-228	1.65E-06	2.78E-01	9.87E-06	6.99E-02
Th-229	1.30E-04	2.20E+01	1.18E-03	8.36E+00
Th-230	4.92E-05	8.29E+00	1.03E-05	7.28E-02
Th-231	2.88E-05	4.86E+00	1.02E-05	7.23E-02
Th-232	1.63E-06	2.75E-01	9.69E-06	6.86E-02
Th-234	1.59E-04	2.68E+01	4.14E-05	2.93E-01
Tl-207	2.73E-06	4.60E-01	2.56E-05	1.81E-01
Tl-208	5.87E-07	9.89E-02	3.51E-06	2.49E-02
Tl-209	2.86E-06	4.82E-01	2.59E-05	1.83E-01
U-232	1.55E-08	2.60E-03	1.83E-07	1.30E-03
U-233	9.24E-04	1.56E+02	7.16E-03	5.07E+01
U-234	4.92E-03	8.29E+02	9.88E-04	6.99E+00
U-235	2.92E-05	4.92E+00	1.03E-05	7.32E-02
U-236	3.20E-05	5.40E+00	3.89E-05	2.75E-01
U-237	5.56E-10	9.36E-05	2.78E-10	1.97E-06
U-238	1.61E-04	2.71E+01	4.18E-05	2.96E-01
U-240	2.05E-09	3.46E-04	3.35E-10	2.37E-06
Y-90	1.36E-13	2.29E-08	5.13E-10	3.63E-06
Zr-93	6.78E-09	1.14E-03	1.13E-04	8.00E-01
Grand Total	4.30E+00	7.25E+05	6.96E-01	4.93E+03

Table A 5. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 7033

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Ac-225	3.77E-04	6.36E+01	3.02E-03	2.14E+01
Ac-227	5.38E-06	9.06E-01	2.48E-05	1.76E-01
Ac-228	1.61E-06	2.72E-01	9.57E-06	6.77E-02
Ag-108	4.58E-26	7.71E-21	--	--
Ag-108m	5.15E-25	8.67E-20	--	--
Am-241	9.67E-04	1.63E+02	2.23E-04	1.58E+00
Am-242	1.70E-14	2.87E-09	4.72E-15	3.34E-11
Am-242m	1.73E-14	2.91E-09	4.80E-15	3.40E-11
Am-243	2.66E-04	4.49E+01	6.89E-04	4.87E+00
At-217	3.78E-04	6.37E+01	3.03E-03	2.14E+01
Bi-210	1.33E-04	2.24E+01	3.20E-04	2.27E+00
Bi-211	5.31E-06	8.94E-01	2.45E-05	1.74E-01
Bi-212	1.62E-06	2.73E-01	9.61E-06	6.80E-02
Bi-213	3.77E-04	6.35E+01	3.02E-03	2.14E+01
Bi-214	1.33E-04	2.23E+01	3.20E-04	2.27E+00
Bk-250	2.13E-17	3.59E-12	1.89E-16	1.34E-12
C-14	1.82E-05	3.06E+00	1.43E-06	1.01E-02
Cf-249	2.93E-08	4.94E-03	9.26E-10	6.55E-06
Cf-250	2.16E-17	3.64E-12	1.91E-16	1.35E-12
Cf-251	3.70E-09	6.24E-04	1.83E-09	1.30E-05
Cl-36	1.17E-08	1.98E-03	--	--
Cm-242	1.43E-14	2.41E-09	3.97E-15	2.81E-11
Cm-245	1.89E-05	3.19E+00	8.28E-06	5.86E-02
Cm-246	1.08E-05	1.82E+00	1.88E-04	1.33E+00
Cm-247	1.58E-07	2.65E-02	2.73E-11	1.93E-07
Cm-248	7.26E-07	1.22E-01	1.07E-06	7.55E-03
Cm-250	3.88E-16	6.53E-11	3.44E-15	2.43E-11
Cs-135	--	--	1.53E-06	1.08E-02
Fr-221	3.77E-04	6.35E+01	3.02E-03	2.14E+01
Fr-223	7.33E-08	1.24E-02	3.39E-07	2.40E-03
Gd-152	1.34E-18	2.26E-13	1.48E-16	1.05E-12
Ho-166m	2.14E-11	3.61E-06	1.58E-12	1.12E-08
I-129	1.00E-05	1.69E+00	8.78E-07	6.21E-03
K-40	3.26E-08	5.50E-03	--	--
Kr-81	--	--	2.51E-11	1.78E-07
Mo-93	--	--	9.52E-09	6.74E-05
Nb-93m	6.45E-09	1.09E-03	1.07E-04	7.61E-01
Nb-94	8.70E-10	1.47E-04	2.25E-09	1.59E-05
Ni-59	6.40E-07	1.08E-01	1.92E-06	1.36E-02
Ni-63	8.63E-22	1.45E-16	2.60E-19	1.84E-15
Np-237	7.96E-04	1.34E+02	4.83E-04	3.42E+00

**Table A 5. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 7033
 Continued**

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Np-238	8.55E-17	1.44E-11	2.37E-17	1.68E-13
Np-239	2.63E-04	4.43E+01	6.80E-04	4.81E+00
Np-240m	2.12E-09	3.56E-04	3.75E-10	2.65E-06
Pa-231	5.37E-06	9.05E-01	2.48E-05	1.76E-01
Pa-233	7.89E-04	1.33E+02	4.78E-04	3.38E+00
Pa-234	2.07E-07	3.48E-02	5.37E-08	3.80E-04
Pa-234m	1.59E-04	2.68E+01	4.13E-05	2.93E-01
Pb-209	3.77E-04	6.36E+01	3.02E-03	2.14E+01
Pb-210	1.34E-04	2.26E+01	3.24E-04	2.29E+00
Pb-211	5.32E-06	8.96E-01	2.46E-05	1.74E-01
Pb-212	1.62E-06	2.72E-01	9.58E-06	6.78E-02
Pb-214	1.33E-04	2.24E+01	3.20E-04	2.27E+00
Pd-107	--	--	4.99E-08	3.54E-04
Po-210	1.34E-04	2.26E+01	3.24E-04	2.29E+00
Po-211	1.62E-08	2.73E-03	7.49E-08	5.30E-04
Po-212	1.03E-06	1.74E-01	6.12E-06	4.33E-02
Po-213	3.69E-04	6.22E+01	2.96E-03	2.09E+01
Po-214	1.33E-04	2.24E+01	3.20E-04	2.27E+00
Po-215	5.32E-06	8.96E-01	2.46E-05	1.74E-01
Po-216	1.61E-06	2.72E-01	9.57E-06	6.78E-02
Po-218	1.31E-04	2.20E+01	3.15E-04	2.23E+00
Pu-236	3.87E-22	6.53E-17	--	--
Pu-238	3.40E-14	5.73E-09	9.42E-15	6.67E-11
Pu-239	2.62E+00	4.41E+05	3.57E-01	2.53E+03
Pu-240	5.02E-01	8.47E+04	8.23E-02	5.83E+02
Pu-241	1.89E-05	3.18E+00	8.27E-06	5.85E-02
Pu-242	4.39E-04	7.40E+01	1.78E-04	1.26E+00
Pu-243	1.56E-07	2.62E-02	2.70E-11	1.91E-07
Pu-244	2.10E-09	3.53E-04	3.71E-10	2.63E-06
Ra-223	5.37E-06	9.05E-01	2.48E-05	1.76E-01
Ra-224	1.61E-06	2.72E-01	9.56E-06	6.77E-02
Ra-225	3.78E-04	6.36E+01	3.02E-03	2.14E+01
Ra-226	1.34E-04	2.26E+01	3.24E-04	2.29E+00
Ra-228	1.90E-06	3.21E-01	1.13E-05	8.00E-02
Rb-87	--	--	1.37E-10	9.68E-07
Rn-219	5.31E-06	8.94E-01	2.45E-05	1.74E-01
Rn-220	1.61E-06	2.72E-01	9.57E-06	6.78E-02
Rn-222	1.33E-04	2.24E+01	3.21E-04	2.27E+00
Sb-126	1.61E-06	2.70E-01	3.15E-05	2.23E-01
Sb-126m	1.15E-05	1.93E+00	2.25E-04	1.59E+00
Se-79	4.14E-07	6.97E-02	2.07E-05	1.46E-01

**Table A 5. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 7033
 Continued**

Radionuclide	CH Activity Concentration (Ci/m³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m³)	RH Total Activity (Ci)
Sm-146	--	--	1.36E-18	9.63E-15
Sm-147	1.16E-14	1.96E-09	1.46E-11	1.03E-07
Sm-151	9.34E-22	1.57E-16	3.43E-19	2.43E-15
Sn-126	1.15E-05	1.93E+00	2.25E-04	1.60E+00
Tc-99	2.53E-04	4.25E+01	1.33E-03	9.38E+00
Te-123	1.07E-23	1.80E-18	--	--
Th-227	5.23E-06	8.82E-01	2.42E-05	1.71E-01
Th-228	1.63E-06	2.75E-01	9.69E-06	6.86E-02
Th-229	3.78E-04	6.37E+01	3.03E-03	2.14E+01
Th-230	2.20E-04	3.71E+01	4.46E-05	3.16E-01
Th-231	3.96E-05	6.68E+00	1.17E-05	8.27E-02
Th-232	1.63E-06	2.75E-01	9.69E-06	6.86E-02
Th-234	1.59E-04	2.68E+01	4.14E-05	2.93E-01
Tl-207	5.28E-06	8.90E-01	2.44E-05	1.73E-01
Tl-208	5.81E-07	9.79E-02	3.45E-06	2.44E-02
Tl-209	8.30E-06	1.40E+00	6.64E-05	4.70E-01
U-232	3.87E-22	6.52E-17	3.45E-24	2.44E-20
U-233	9.23E-04	1.56E+02	7.05E-03	4.99E+01
U-234	4.87E-03	8.20E+02	9.77E-04	6.92E+00
U-235	4.01E-05	6.76E+00	1.18E-05	8.38E-02
U-236	1.06E-04	1.79E+01	5.11E-05	3.61E-01
U-237	4.63E-10	7.79E-05	2.03E-10	1.44E-06
U-238	1.61E-04	2.71E+01	4.18E-05	2.96E-01
U-240	2.07E-09	3.49E-04	3.67E-10	2.60E-06
Zr-93	6.77E-09	1.14E-03	1.13E-04	7.99E-01
Grand Total	3.14E+00	5.28E+05	4.80E-01	3.40E+03

Table A 6. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 12033

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Ac-225	5.79E-04	9.76E+01	4.49E-03	3.18E+01
Ac-227	9.49E-06	1.60E+00	2.36E-05	1.67E-01
Ac-228	1.61E-06	2.72E-01	9.57E-06	6.77E-02
Am-241	1.29E-05	2.17E+00	5.58E-06	3.95E-02
Am-242	2.13E-24	3.59E-19	5.92E-25	4.19E-21
Am-242m	2.17E-24	3.66E-19	6.02E-25	4.26E-21
Am-243	1.67E-04	2.81E+01	4.31E-04	3.05E+00
At-217	5.80E-04	9.77E+01	4.49E-03	3.18E+01
Bi-210	3.28E-04	5.52E+01	9.97E-05	7.06E-01
Bi-211	9.37E-06	1.58E+00	2.33E-05	1.65E-01
Bi-212	1.62E-06	2.73E-01	9.61E-06	6.80E-02
Bi-213	5.79E-04	9.75E+01	4.48E-03	3.17E+01
Bi-214	3.28E-04	5.52E+01	9.97E-05	7.06E-01
Bk-250	1.75E-17	2.94E-12	1.55E-16	1.10E-12
C-14	9.93E-06	1.67E+00	7.82E-07	5.54E-03
Cf-249	1.49E-12	2.51E-07	4.70E-14	3.32E-10
Cf-250	1.77E-17	2.98E-12	1.57E-16	1.11E-12
Cf-251	7.81E-11	1.32E-05	3.87E-11	2.74E-07
Cl-36	1.16E-08	1.95E-03	--	--
Cm-242	1.79E-24	3.02E-19	4.97E-25	3.52E-21
Cm-245	1.26E-05	2.12E+00	5.51E-06	3.90E-02
Cm-246	5.19E-06	8.75E-01	9.05E-05	6.40E-01
Cm-247	1.57E-07	2.65E-02	2.74E-11	1.94E-07
Cm-248	7.19E-07	1.21E-01	1.06E-06	7.47E-03
Cm-250	3.18E-16	5.35E-11	2.82E-15	1.99E-11
Cs-135	--	--	1.53E-06	1.08E-02
Fr-221	5.79E-04	9.75E+01	4.48E-03	3.17E+01
Fr-223	1.29E-07	2.18E-02	3.22E-07	2.28E-03
Gd-152	1.34E-18	2.26E-13	1.48E-16	1.05E-12
Ho-166m	1.19E-12	2.01E-07	8.79E-14	6.22E-10
I-129	1.00E-05	1.69E+00	8.78E-07	6.21E-03
K-40	3.26E-08	5.50E-03	--	--
Kr-81	--	--	2.47E-11	1.75E-07
Mo-93	--	--	3.54E-09	2.50E-05
Nb-93m	6.43E-09	1.08E-03	1.07E-04	7.59E-01
Nb-94	7.34E-10	1.24E-04	1.90E-09	1.34E-05
Ni-59	6.13E-07	1.03E-01	1.84E-06	1.30E-02
Np-237	7.95E-04	1.34E+02	4.82E-04	3.41E+00
Np-238	1.07E-26	1.81E-21	2.97E-27	2.10E-23
Np-239	1.64E-04	2.77E+01	4.25E-04	3.01E+00
Np-240m	2.14E-09	3.61E-04	4.16E-10	2.94E-06

**Table A 6. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 12033
 Continued**

Radionuclide	CH Activity Concentration (Ci/m ³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m ³)	RH Total Activity (Ci)
Pa-231	9.49E-06	1.60E+00	2.36E-05	1.67E-01
Pa-233	7.88E-04	1.33E+02	4.77E-04	3.38E+00
Pa-234	2.07E-07	3.48E-02	5.37E-08	3.80E-04
Pa-234m	1.59E-04	2.68E+01	4.13E-05	2.93E-01
Pb-209	5.79E-04	9.76E+01	4.48E-03	3.17E+01
Pb-210	3.32E-04	5.59E+01	1.01E-04	7.14E-01
Pb-211	9.38E-06	1.58E+00	2.34E-05	1.65E-01
Pb-212	1.62E-06	2.72E-01	9.58E-06	6.78E-02
Pb-214	3.28E-04	5.53E+01	9.99E-05	7.07E-01
Pd-107	--	--	4.99E-08	3.53E-04
Po-210	3.31E-04	5.58E+01	1.01E-04	7.14E-01
Po-211	2.86E-08	4.82E-03	7.12E-08	5.04E-04
Po-212	1.03E-06	1.74E-01	6.12E-06	4.33E-02
Po-213	5.67E-04	9.55E+01	4.39E-03	3.11E+01
Po-214	3.28E-04	5.53E+01	9.98E-05	7.07E-01
Po-215	9.38E-06	1.58E+00	2.34E-05	1.65E-01
Po-216	1.61E-06	2.72E-01	9.57E-06	6.78E-02
Po-218	3.22E-04	5.43E+01	9.81E-05	6.95E-01
Pu-236	3.76E-22	6.33E-17	--	--
Pu-238	4.26E-24	7.17E-19	1.18E-24	8.36E-21
Pu-239	2.27E+00	3.82E+05	3.09E-01	2.19E+03
Pu-240	2.96E-01	4.98E+04	4.84E-02	3.43E+02
Pu-241	1.25E-05	2.11E+00	5.50E-06	3.89E-02
Pu-242	4.35E-04	7.33E+01	1.78E-04	1.26E+00
Pu-243	1.56E-07	2.62E-02	2.71E-11	1.92E-07
Pu-244	2.12E-09	3.58E-04	4.12E-10	2.92E-06
Ra-223	9.48E-06	1.60E+00	2.36E-05	1.67E-01
Ra-224	1.61E-06	2.72E-01	9.56E-06	6.77E-02
Ra-225	5.80E-04	9.76E+01	4.49E-03	3.18E+01
Ra-226	3.32E-04	5.59E+01	1.01E-04	7.15E-01
Ra-228	1.90E-06	3.21E-01	1.13E-05	8.00E-02
Rb-87	--	--	1.37E-10	9.68E-07
Rn-219	9.37E-06	1.58E+00	2.33E-05	1.65E-01
Rn-220	1.61E-06	2.72E-01	9.57E-06	6.78E-02
Rn-222	3.28E-04	5.53E+01	9.99E-05	7.08E-01
Sb-126	1.55E-06	2.61E-01	3.05E-05	2.16E-01
Sb-126m	1.11E-05	1.86E+00	2.17E-04	1.54E+00
Se-79	3.92E-07	6.61E-02	1.96E-05	1.39E-01
Sm-146	--	--	1.36E-18	9.63E-15
Sm-147	1.16E-14	1.96E-09	1.46E-11	1.03E-07
Sn-126	1.11E-05	1.87E+00	2.18E-04	1.54E+00

**Table A 6. WIPP-Scale Disposal Radionuclide Inventory Decayed Through 12033
 Continued**

Radionuclide	CH Activity Concentration (Ci/m³)	CH Total Activity (Ci)	RH Activity Concentration (Ci/m³)	RH Total Activity (Ci)
Tc-99	2.49E-04	4.19E+01	1.30E-03	9.23E+00
Te-123	1.07E-23	1.80E-18	--	--
Th-227	9.23E-06	1.56E+00	2.30E-05	1.63E-01
Th-228	1.63E-06	2.75E-01	9.69E-06	6.86E-02
Th-229	5.80E-04	9.78E+01	4.49E-03	3.18E+01
Th-230	4.23E-04	7.13E+01	8.54E-05	6.04E-01
Th-231	5.15E-05	8.68E+00	1.33E-05	9.42E-02
Th-232	1.63E-06	2.75E-01	9.69E-06	6.86E-02
Th-234	1.59E-04	2.68E+01	4.14E-05	2.93E-01
Tl-207	9.33E-06	1.57E+00	2.32E-05	1.64E-01
Tl-208	5.81E-07	9.79E-02	3.45E-06	2.44E-02
Tl-209	1.27E-05	2.15E+00	9.86E-05	6.98E-01
U-232	3.75E-22	6.32E-17	--	--
U-233	9.20E-04	1.55E+02	6.91E-03	4.89E+01
U-234	4.80E-03	8.09E+02	9.64E-04	6.83E+00
U-235	5.22E-05	8.79E+00	1.35E-05	9.54E-02
U-236	1.64E-04	2.76E+01	6.05E-05	4.28E-01
U-237	3.08E-10	5.18E-05	1.35E-10	9.55E-07
U-238	1.61E-04	2.71E+01	4.18E-05	2.96E-01
U-240	2.10E-09	3.54E-04	4.08E-10	2.89E-06
Zr-93	6.75E-09	1.14E-03	1.13E-04	7.97E-01
Grand Total	2.58E+00	4.35E+05	4.07E-01	2.88E+03

APPENDIX B: Waste Stream-Level Disposal Radionuclide Inventory

Table B 1. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	101.78	5.42E+01	1.88E+00	4.30E-02	9.74E-01	1.23E-01	5.21E+01	8.54E+01	6.44E+01	2.57E+01	2.62E-02	6.52E-16	9.95E-01	8.62E-03	2.18E-05	4.26E-14	4.20E-02	8.34E-02	1.50E-03	5.74E-05	4.41E-02
AE	AECHHM-S	13.86	1.41E+01	5.13E-03	--	7.63E-04	1.83E-03	3.62E+00	4.13E+01	1.64E+01	2.95E-10	2.02E-03	--	7.81E-04	3.21E-04	1.49E-06	1.08E-14	2.30E-07	5.67E-03	1.07E-04	1.46E-05	2.69E-03
AE	AE-T001	511.88	1.89E+02	--	--	5.81E+00	2.19E+00	3.11E+01	4.66E+02	2.75E+02	1.20E+02	2.24E-01	--	4.01E+00	1.35E-03	1.28E-05	2.03E-04	3.08E-01	3.27E-02	9.23E-03	4.49E-04	1.63E-01
AE	AE-T003	23.32	4.47E+00	--	--	3.22E-03	1.45E-02	8.32E-01	2.89E+01	1.11E+01	1.32E+01	3.12E-04	--	7.99E-03	4.02E-05	2.98E-08	1.66E-14	9.54E-03	1.34E-04	7.64E-05	1.49E-05	1.67E-03
AE	MU-W002-S	4.5	6.72E+00	1.13E-03	--	9.16E-07	3.91E-03	--	2.27E-02	--	--	--	--	9.38E-07	1.09E-03	1.98E-13	--	5.06E-07	1.47E-09	6.71E-10	--	1.73E-05
AW	AW-N026.82	1.87	--	--	--	4.87E-01	--	--	7.65E-03	--	--	--	--	2.37E+00	--	--	--	--	--	3.02E-10	--	--
AW	AW-N027.531	31.79	1.02E-01	--	--	--	1.19E-06	1.03E+02	1.04E+02	6.24E-01	9.80E-02	7.88E-06	--	--	3.34E-08	2.42E-06	6.27E-16	9.63E-06	1.32E-02	6.99E-05	6.86E-07	2.46E-07
AW	AW-T033.1325	197.65	3.10E+02	1.72E+01	--	--	2.08E+00	6.49E+02	7.11E+02	1.62E+02	3.32E+02	4.64E-02	1.15E-05	--	2.21E-02	1.83E-04	4.29E-06	6.74E+00	4.89E-01	1.50E-02	3.55E-03	8.38E-03
AW	AW-W049	186.13	2.06E+02	--	--	--	1.72E-03	8.53E+00	5.80E+01	4.14E+01	1.89E+02	1.53E-02	--	--	7.82E-11	8.45E-08	2.05E-14	9.66E-08	6.99E-04	1.42E-03	3.20E-05	1.56E-05
BT	BT-T002	18.9	1.22E-02	4.01E-05	7.85E-04	1.06E+01	5.74E-05	7.40E-01	7.36E-04	1.51E-03	3.62E-02	1.17E-05	6.73E-13	1.04E+01	1.12E-11	5.74E-07	5.20E-13	7.72E-09	2.10E-03	2.65E-05	3.02E-04	1.22E-07
FR	FR-MOX-MT02	0.42	1.66E-06	--	--	--	2.24E-11	4.25E-07	2.99E-07	1.78E-07	2.63E-06	4.16E-09	--	--	2.99E-18	1.54E-14	2.89E-22	2.13E-15	6.86E-11	1.39E-14	2.49E-13	2.95E-17
FR	FR-MOX-T01	5.62	2.24E-05	--	--	--	3.02E-10	5.73E-06	4.04E-06	2.40E-06	3.55E-05	5.62E-08	--	--	4.04E-17	2.08E-13	3.90E-21	2.88E-14	9.26E-10	1.87E-13	3.36E-12	3.98E-16
IN	BN004-S	333.77	3.97E+02	--	6.20E-01	1.35E-03	1.75E-01	4.06E+01	1.21E+03	2.74E+02	6.52E+02	2.49E-02	--	2.24E-03	6.37E-04	3.20E-06	1.58E-13	2.43E-01	1.44E-02	2.52E-03	2.28E-04	1.92E-03
IN	BN161-S	58.4	5.52E+01	--	--	--	1.05E-03	7.97E+00	2.34E+02	5.33E+01	1.05E+02	4.31E-03	--	--	1.16E-10	9.76E-08	3.06E-14	9.83E-08	7.29E-04	9.19E-06	4.43E-05	1.82E-11
IN	BN211-S	522.55	5.36E+02	5.11E-06	--	7.47E-07	2.98E-02	7.17E+01	2.07E+03	4.76E+02	9.06E+02	3.99E-02	--	1.24E-06	7.98E-05	1.55E-06	2.74E-13	3.04E-02	9.23E-03	6.84E-04	3.96E-04	4.60E-06
IN	BN243-S	149.97	4.33E+01	--	4.65E-01	7.60E-08	2.99E-03	4.59E+00	1.18E+02	2.65E+01	5.39E+01	2.65E-03	--	1.26E-07	4.36E-10	2.81E-07	1.53E-14	3.40E-07	1.31E-03	2.45E-04	2.21E-05	1.12E-11
IN	BN252-S	178.73	2.24E+02	--	--	2.39E-07	6.31E-02	3.24E+01	1.14E+03	2.44E+02	6.39E+02	2.65E-02	--	3.73E-07	9.86E-09	4.98E-07	1.40E-13	7.56E-06	3.37E-03	2.65E-04	2.03E-04	1.12E-10
IN	BN296-S	474.38	7.22E+02	--	4.41E-01	4.99E-06	4.55E-02	6.94E+01	1.78E+03	3.95E+02	7.64E+02	4.00E-02	--	8.80E-06	1.48E-05	1.05E-06	2.27E-13	5.64E-03	7.12E-03	1.00E+00	3.28E-04	6.75E-04
IN	BN304-S	304.57	5.74E+01	--	--	2.27E-04	2.89E-03	1.25E+04	3.04E+01	2.29E+01	7.14E+01	1.94E-02	--	4.53E-04	4.06E-10	1.46E-04	1.32E-14	3.20E-07	1.12E+00	4.40E-05	1.90E-05	2.39E-02
IN	BN510-S	4064.78	1.63E+03	--	--	2.59E-04	7.38E-02	5.28E+02	6.16E+03	1.33E+03	2.88E+03	1.19E-01	--	4.24E-04	4.37E-05	2.55E-04	7.11E-13	1.73E-02	1.07E+00	1.01E+00	1.07E-03	2.58E-02
IN	BN835-S	1028.34	4.01E+01	--	--	4.89E-05	6.65E-03	1.40E+03	3.40E+00	2.17E+00	1.09E+01	2.20E-03	--	8.38E-05	1.02E-09	1.63E-05	1.25E-15	7.86E-07	1.24E-01	2.27E-07	1.81E-06	2.14E-04
IN	BN836-S	1669.29	2.41E+00	--	--	1.88E-04	2.20E-03	1.45E+03	2.71E+00	1.84E+00	2.52E+00	2.12E-03	--	3.04E-04	3.24E-10	1.57E-05	9.86E-16	2.56E-07	1.24E-01	3.28E-05	1.48E-06	1.34E-05
IN	BNINW216-S	4466.68	2.88E+04	--	--	4.93E-05	5.95E-01	1.43E+02	1.71E+03	4.34E+02	1.40E+03	2.29E-01	--	7.88E-05	6.67E-08	4.61E-05	2.49E-13	5.62E-05	1.89E-01	3.16E-02	3.60E-04	1.81E+00
IN	BNINW218-S	449.19	4.29E+01	--	--	5.58E-06	2.62E-01	1.86E+00	4.48E+01	9.21E+00	2.54E+01	1.35E-03	--	8.96E-06	4.47E-08	4.39E-06	5.68E-15	3.29E-05	1.69E-02	1.79E-03	7.93E-06	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	1.63E-01	--	--	--	3.20E-06	1.99E-02	7.32E-01	1.68E-01	2.98E-01	1.35E-05	--	--	3.58E-13	2.32E-10	9.65E-17	3.01E-10	1.77E-06	2.02E-08	1.39E-07	5.68E-14
IN	ID-RF-S3114-S	274.41	1.64E+01	--	--	2.56E-06	4.26E-04	1.26E+00	3.82E+01	8.29E+00	2.17E+01	8.01E-04	--	4.12E-06	4.92E-11	3.54E-07	4.43E-15	4.16E-08	1.51E-03	3.98E-05	6.65E-06	2.77E-03
IN	ID-RF-S3150-A-S	201.71	4.30E+01	--	--	9.69E-06	2.08E-03	5.71E+00	1.52E+02	3.34E+01	9.22E+01	2.83E-03	--	1.62E-05	2.92E-10	1.42E-04	1.92E-14	2.30E-07	5.64E-01	1.02E-04	2.78E-05	1.84E-04
IN	ID-RF-S5100-A-S	615.72	1.53E+02	--	--	7.37E-06	2.74E-03	1.58E+01	5.84E+02	1.23E+02	2.13E+02	1.05E-02	--	1.10E-05	2.71E-06	6.86E-07	7.07E-14	1.03E-03	3.40E-03	7.00E-05	1.02E-04	4.50E-06
IN	ID-RF-S5126-S	231.85	1.84E+02	--	--	5.36E-01	4.10E-03	2.49E+01	8.42E+02	1.96E+02	4.24E+02	1.79E-02	--	1.06E-05	5.52E-04	4.32E-06	1.05E-13	2.18E-01	1.88E-02	3.46E-05	1.57E-04	1.59E-03
IN	ID-RF-S5300-A-S	2091.87	8.52E+01	1.71E-08	1.89E-01	1.02E-05	4.48E-03	5.88E+00	2.17E+02	4.86E+01	9.54E+01	5.14E-02	--	1.39E-05	7.51E-04	5.53E-06	2.60E-14	2.97E-01	2.30E-02	5.97E-04	3.90E-05	8.55E-04
IN	ID-SDA-DEBRIS-S	33.49	3.23E+01	--	--	3.63E-06	6.38E-04	4.19E+00	1.12E+02	2.55E+01	3.90E+01	2.29E-03	--	4.25E-06	1.32E-05	1.43E-06	1.37E-14	5.21E-03	6.06E-03	1.54E-04	2.05E-05	2.07E-03
IN	IN-BN004	647.51	5.56E+02	--	--	1.91E-03	2.16E-01	5.75E+01	1.71E+03	3.87E+02	1.01E+03	3.48E-02	--	2.06E-03	2.93E-08	3.48E-06	1.92E-13	2.41E-05	1.71E-02	3.47E-03	2.99E-04	2.62E-05
IN	IN-BN222	265.5	1.66E+02	--	--	--	1.53E-03	1.65E+01	6.39E+02	1.43E+02	4.06E+02	1.57E-02	--	--	1.03E-03	2.49E-06	1.01E-13	3.53E-01	9.74E-03	9.97E-04	1.31E-04	2.63E-01
IN	IN-BN311	12.27	1.21E+02	--	--	--	1.13E-03	9.52E+00	3.79E+02	8.40E+01	2.55E+02	1.06E-02	--	--	1.40E-03	3.58E-07	5.93E-14	4.82E-01	1.74E-03	1.40E-04	7.74E-05	4.79E-03
IN	IN-BN409	16.43	1.25E+03	--	--	--	1.26E-02	3.83E+01	1.11E+03	2.54E+02	6.17E+02	1.87E-02	--	--	8.22E-10	5.54E-07	1.79E-13	8.49E-07	3.82E-03	3.40E-05	2.34E-04	8.76E-11
IN	IN-BN421	30.78	1.36E+02	--	--	--	1.24E-03	2.80E+01	6.49E+02	1.48E+02	3.60E+02	1.36E-02	--	--	7.53E-05	1.43E-06	1.04E-13	2.59E-02	6.45E-03	7.93E-04	1.36E-04	2.13E-03
IN	IN-BN432	67.39	1.48E+02	--	--	--	1.35E-03	1.43E+01	5.66E+02	1.26E+02	3.80E+02	1.56E-02	--	--	6.65E-04	4.36E-07	8.90E-14	2.29E-01	2.25E-03	2.10E-04	1.16E-04	6.94E-04
IN	IN-BN510	11223.71	4.07E+03	--	--	5.85E-04	1.27E-01	1.26E+03	1.56E+04	3.35E+03	7.51E+03	2.92E-01	--	6.29E-04	1.44E-08	2.40E-05	1.66E-12	1.24E-05	1.53E-01	1.59E-02	2.58E-03	6.27E-02
IN	IN-BN835	111.97	2.78E+00	--	--	3.89E-06	5.25E-04	1.14E+02	2.64E-01	1.67E-01	2.03E-01	1.62E-04	--	4.20E-06	7.01E-11	1.13E-06	8.30E-17	5.80E-08	9.33E-03	1.66E-08	1.29E-07	1.65E-05
IN	IN-BN836	240.6	8.02E-02	--	--	1.89E-05	2.11E-04	3.39E+01	6.23E-02	4.25E-02	1.61E-02	4.88E-05	--	2.05E-05	2.89E-11	3.41E-07	2.11E-17	2.38E-08	2.80E-03	3.13E-06	3.28E-08	1.26E-06
IN	IN-BNINW216	5484.89	2.42E+04	--	--	4.06E-05	4.84E-01	1.05E+02	1.44E+03	3.51E+02	1.22E+03	1.12E-01	--	4.37E-05	4.76E-08	3.05E-05	1.74E-13	4.30E-05	1.35E-01	2.63E-02	2.71E-04	6.80E-01
IN	IN-BNINW218	573.03	3.69E+01	--	--	4.81E-06	1.27E-01	1.35E+00	3.84E+01	7.71E+00	2.44E+01	1.07E-03	--	5.22E-06	1.74E-08	2.90E-06	3.83E-15	1.43E-05	1.24E-02	1.53E-03	5.95E-06	1.22E-01
IN	IN-GEM-01	7.28	3.17E+00	--	--	--	3.14E-05	2.80E-02	1.59E+00	3.63E-01	4.64E-01	1.87E-05	--	--	1.93E-12	3.78E-10	2.40E-16	2.06E-09	2.69E-06	4.69E-08	3.23E-07	8.47E-14
IN	IN-GEM-02	5.41	2.36E+00	--	--	--	2.33E-05	2.08E-02	1.18E+00	2.70E-01	3.45E-01	1.39E-05	--	--	1.44E-12	2.80E-10	1.78E-16	1.53E-09	2.00E-06	3.49E-08	2.40E-07	6.29E-14
IN	IN-ID-RF-S3114	3800.07	2.15E+02	--	--	3.44E-05	5.51E-03	1.66E+01	5.01E+02	1.09E+02	2.99E+02	1.05E-02	--	5.53E-05	5.95E-10	4.47E-06	5.39E-14	5.21E-07	1.98E-02	5.22E-04	8.40E-05	3.63E-02
IN	IN-ID-RF-S3150-A	56.13</																				

Table B 1. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	INW161.001-S	19.14	3.13E+01	--	--	--	2.83E-04	4.29E+00	1.57E+02	3.55E+01	8.92E+01	3.52E-03	--	--	1.70E-11	1.47E-07	2.50E-14	1.81E-08	7.33E-04	9.24E-05	3.26E-05	5.56E-06
IN	IN-W163.1007	9.21	8.02E+00	--	--	--	7.76E-05	1.78E+00	6.96E+01	1.53E+01	3.44E+01	3.39E-03	--	--	6.46E-12	5.55E-08	2.18E-14	5.73E-09	2.65E-04	3.02E-06	2.00E-05	2.25E-11
IN	INW169.001-S	19.14	5.47E+00	--	--	--	5.08E-05	5.34E-01	1.97E+01	4.38E+00	1.24E+01	5.91E-04	--	--	3.12E-12	9.06E-08	3.09E-15	3.29E-09	3.51E-04	7.29E-05	4.03E-06	4.37E-06
IN	IN-W181.162	76.23	4.38E+00	--	--	--	4.23E-05	6.46E-01	2.58E+01	5.84E+00	1.88E+01	4.22E-04	--	--	3.53E-12	2.02E-08	8.31E-15	3.13E-09	9.65E-05	1.12E-06	7.64E-06	2.80E-12
IN	IN-W188.160	141.57	8.05E+00	--	--	--	7.79E-05	1.78E+00	6.98E+01	1.54E+01	3.46E+01	2.85E-03	--	--	6.48E-12	5.56E-08	2.18E-14	5.75E-09	2.66E-04	3.03E-06	2.01E-05	1.89E-11
IN	INW198.001-S	49.09	7.61E+00	--	--	--	6.87E-05	9.66E-01	3.78E+01	8.42E+00	2.17E+01	8.87E-04	--	--	7.55E-07	5.34E-08	5.94E-15	2.60E-04	2.38E-04	3.68E-05	7.75E-06	5.90E-05
IN	INW211.001-S	303.92	9.32E+02	--	--	--	8.42E-03	1.07E+02	3.64E+03	8.09E+02	2.66E+03	1.40E-01	--	--	3.76E-05	2.60E-06	5.70E-13	1.30E-02	1.44E-02	1.05E-03	7.45E-04	1.47E-03
IN	INW216.001-S	1245.06	5.48E+04	--	--	--	5.82E-01	9.06E+01	3.26E+03	7.30E+02	2.22E+03	1.18E-01	--	--	1.00E-04	1.80E-04	5.49E-13	3.35E-02	6.31E-01	1.03E-01	6.94E-04	3.89E+00
IN	INW218.001-S	1110.87	8.21E+02	--	--	--	8.58E-03	1.35E+01	4.97E+02	1.11E+02	3.34E+02	1.70E-02	--	--	3.34E-05	2.66E-04	8.34E-14	1.11E-02	9.26E-01	1.02E-01	1.05E-04	8.74E+00
IN	INW222.001-S	65.1	6.59E+01	--	--	--	6.00E-04	8.04E+00	2.84E+02	6.37E+01	1.78E+02	7.40E-03	--	--	3.62E-11	3.55E-07	4.49E-14	3.85E-08	1.66E-03	1.13E-04	5.86E-05	7.02E-03
IN	INW243.001-S	74.88	8.44E+01	--	--	--	8.22E-04	8.29E+00	2.37E+02	5.28E+01	1.57E+02	6.81E-03	--	--	7.41E-06	6.58E-07	3.97E-14	2.47E-03	2.70E-03	4.55E-04	5.01E-05	3.17E-04
IN	INW247.001R1-S	116.9	1.07E+02	--	--	--	9.98E-04	1.97E+01	4.15E+02	9.44E+01	2.86E+02	7.92E-03	--	--	2.26E-05	3.12E-07	7.09E-14	7.54E-03	2.06E-03	1.91E-05	8.98E-05	3.82E-11
IN	INW252.001-S	60.94	7.55E+01	--	--	--	6.49E-04	9.73E+00	3.01E+02	6.83E+01	2.89E+02	6.81E-03	--	--	3.73E-11	3.55E-07	4.82E-14	4.05E-08	1.74E-03	2.34E-04	6.29E-05	3.19E-11
IN	IN-W263.520	265.86	7.35E-02	--	--	--	7.11E-07	2.74E+02	1.80E+01	2.86E-02	3.15E-01	2.51E-05	--	--	5.92E-14	8.56E-06	4.06E-17	5.25E-11	4.09E-02	7.83E-07	3.74E-08	1.67E-13
IN	INW276.001-S	10.19	7.11E+00	--	--	--	7.07E-05	1.86E+00	3.17E+01	7.23E+00	2.21E+01	6.55E-04	--	--	5.42E-12	3.73E-08	6.88E-15	5.08E-09	2.20E-04	1.39E-06	7.73E-06	3.56E-12
IN	INW276.002-S	16.02	1.12E+01	--	--	--	1.09E-04	2.81E+00	4.77E+01	1.08E+01	3.47E+01	9.82E-04	--	--	2.39E-06	5.39E-08	9.75E-15	7.30E-04	3.25E-04	2.41E-06	1.13E-05	5.18E-12
IN	INW276.003-S	186.58	4.23E+02	--	--	--	3.91E-03	1.04E+02	1.73E+03	3.92E+02	1.40E+03	3.66E-02	--	--	1.61E-04	1.77E-06	3.14E-13	5.21E-02	1.13E-02	9.53E-05	3.84E-04	1.12E-06
IN	INW276.004-S	46.8	9.92E+01	--	--	--	9.34E-04	2.18E+01	3.67E+02	8.34E+01	2.94E+02	7.65E-03	--	--	1.40E-04	4.01E-07	6.66E-14	4.53E-02	2.47E-03	4.03E-05	8.17E-05	3.81E-11
IN	INW296.001-S	97.76	1.77E+02	--	--	--	1.71E-03	2.32E+01	5.13E+02	1.16E+02	3.57E+02	1.10E-02	--	--	3.04E-05	5.53E-07	8.72E-14	1.01E-02	3.07E-03	1.68E-04	1.10E-04	3.96E-04
IN	IN-W315.601	6.92	4.19E+02	--	--	--	6.18E-03	1.42E-01	5.69E+00	1.29E+00	4.13E+00	9.27E-05	--	--	8.27E-10	4.44E-09	1.83E-15	5.98E-07	2.12E-05	2.47E-07	1.68E-06	6.16E-13
IN	IN-W319.584	4.5	2.61E+00	--	--	--	2.52E-05	5.79E-01	2.26E+01	4.97E+00	1.12E+01	1.31E-03	--	--	2.10E-12	1.81E-08	7.07E-15	1.86E-09	8.64E-05	9.79E-07	6.50E-06	8.72E-12
IN	IN-W321.1023	10.89	2.28E+01	--	--	--	2.21E-04	5.05E+00	1.98E+02	4.36E+01	9.81E+01	6.42E-03	--	--	1.84E-11	1.58E-07	6.20E-14	1.63E-08	7.54E-04	8.60E-06	5.70E-05	4.27E-11
IN	IN-W357.1022	4.5	8.18E-02	--	--	--	7.91E-07	1.81E-02	7.06E-01	1.55E-01	3.51E-01	3.21E-05	--	--	6.59E-14	5.64E-10	2.21E-16	5.85E-11	2.70E-06	3.06E-08	2.03E-07	2.13E-13
IN	IN-W375.1096	189.63	2.02E+00	--	--	--	1.95E-05	4.46E-01	1.75E+01	3.85E+00	8.67E+00	7.02E-04	--	--	1.63E-12	1.39E-08	5.47E-15	1.44E-09	6.66E-05	7.60E-07	5.04E-06	4.66E-12
KN	KN-B234TRU	837.93	2.01E+02	--	--	--	1.97E-03	1.77E+01	6.78E+02	6.76E+02	2.26E+02	--	--	--	7.06E-03	3.78E-01	1.26E-01	2.43E+00	2.43E+00	4.61E-01	4.61E-01	5.95E-02
LA	LA-CIN01.001	516.07	2.21E+04	3.97E-01	--	3.23E-07	3.96E-01	8.17E+02	8.56E+03	2.30E+03	3.41E+03	3.11E+00	2.46E-06	3.11E-07	4.87E-04	1.49E-04	2.30E-03	9.64E-02	3.80E-01	9.91E-03	4.08E-03	3.37E-01
LA	LA-CIN02.001	427.19	5.87E+02	2.60E-03	--	5.86E-02	1.74E-02	5.36E+01	7.38E+02	4.20E+01	3.04E+01	9.10E-03	--	1.47E-03	1.01E-04	1.18E-05	9.00E-14	2.00E-02	2.91E-02	2.98E-03	6.74E-05	3.28E-05
LA	LA-LAMHD03DD	3.78	3.48E-03	--	--	--	2.62E-08	5.31E-02	3.53E-02	--	2.08E-02	--	--	--	1.28E-15	7.15E-10	--	1.49E-12	5.10E-06	1.04E-09	--	--
LA	LA-LAMIN02V.001	27.29	1.18E+01	--	--	--	9.17E-05	1.59E+00	6.83E+01	1.62E+01	5.82E+01	9.16E-04	--	--	4.49E-12	1.99E-08	9.97E-15	5.26E-09	1.47E-04	1.95E-06	1.39E-05	4.01E-12
LA	LA-LAMIN04S	203.85	1.10E+03	--	--	--	9.85E-03	6.51E+01	1.96E+03	5.04E+02	2.07E+03	2.27E-01	1.02E-07	--	5.40E-10	8.15E-07	3.11E-13	6.05E-07	6.02E-03	5.60E-05	4.34E-04	9.94E-10
LA	LA-LA-NCDO1	261.55	5.59E+00	--	--	--	4.50E-05	7.42E-01	3.21E+01	7.61E+00	2.61E+01	4.32E-04	--	--	2.36E-12	1.00E-08	5.03E-15	2.67E-09	7.13E-05	9.51E-07	6.78E-06	1.95E-12
LA	LA-LANHD01	161.34	4.22E+00	--	--	--	5.35E-05	4.67E-01	2.29E+01	5.42E+00	8.62E+00	3.08E-04	--	--	6.58E-12	1.61E-08	8.43E-15	4.88E-09	7.34E-05	1.04E-06	7.41E-06	2.14E-12
LA	LA-LANHD02238	1343.98	1.72E+00	--	--	--	1.79E-05	1.50E+03	1.17E+00	5.53E-01	5.64E+00	4.33E-04	--	--	1.59E-12	3.79E-05	6.50E-16	1.38E-09	2.00E-01	4.60E-08	6.58E-07	2.61E-12
LA	LA-LANIN03NC	701.76	2.21E+03	4.12E-01	--	--	1.42E-01	3.53E+03	6.14E+03	1.54E+03	6.09E+03	1.25E-01	--	--	2.20E-08	4.42E-05	9.53E-13	1.66E-05	3.27E-01	1.76E-04	1.33E-03	5.48E-10
LA	LA-MHD01.001	2520.53	5.79E+03	3.05E-01	5.83E-01	3.08E-04	2.60E-01	2.46E+04	2.16E+04	5.67E+03	6.79E+03	3.12E+01	8.38E-06	2.88E-04	1.73E-03	3.06E-03	1.28E-11	3.42E-01	8.48E+00	8.81E-03	9.36E-03	3.95E-02
LA	LA-MHD01.001-S	1106.52	4.53E+03	9.09E-01	1.63E+00	7.12E-04	2.43E-01	1.48E+04	1.11E+04	2.93E+03	8.18E+03	2.04E+00	--	5.26E-01	1.52E-03	9.35E-03	4.52E-06	5.99E-01	4.18E+00	4.26E-03	2.35E-03	5.96E-03
LA	LA-MHD02.001-S	13.52	1.87E+00	4.00E-05	--	1.31E-06	9.89E-05	1.44E+03	1.39E+00	6.99E-01	1.86E+00	7.18E-04	--	1.28E-06	6.48E-09	9.60E-05	3.74E-16	2.57E-06	4.54E-01	6.69E-07	5.61E-07	2.92E-12
LA	LA-MHD03.001	596.95	1.74E+02	6.36E-02	2.15E+01	9.61E-03	8.66E-02	1.16E+03	5.31E+02	1.29E+02	1.75E+02	1.49E-01	1.29E-07	9.31E-02	6.48E-05	1.46E-04	1.10E-08	1.31E-02	4.06E-01	6.74E-03	2.98E-04	1.40E-03
LA	LA-MHD03.001-S	192.02	5.11E+01	2.34E-02	9.76E-02	2.41E-03	1.38E-02	5.79E+02	1.26E+02	3.41E+01	1.35E+02	1.47E-02	--	2.35E-03	3.60E-05	2.93E-05	1.82E-14	1.42E-02	1.44E-01	1.11E-04	2.74E-05	1.88E-04
LA	LA-MHD04.001	8.75	9.84E-01	7.91E-05	--	3.62E-08	1.61E-04	6.72E+02	1.06E+00	5.47E-01	6.63E-01	6.68E-04	--	3.47E-08	1.06E-10	6.12E-05	1.40E-15	3.91E-08	1.81E-01	6.17E-08	9.61E-07	5.94E-12
LA	LA-MIN03-NC.001	1105.1	3.19E+02	7.31E-03	--	7.97E-03	4.21E-03	4.55E+01	4.11E+02	1.74E+01	8.24E+01	2.08E-03	--	7.77E-03	3.02E-05	8.76E-06	1.00E-14	9.80E-04	3.31E-02	8.35E-04	1.45E-05	6.39E-04
LA	LA-MIN03-NC.001-S	367.04	1.72E+02	5.48E-04	--	2.36E-02	3.64E-03	6.36E+00	1.39E+02	2.03E+01	9.80E+01	1.65E-02	--	1.91E-02	8.69E-10	3.13E-06	1.09E-14	5.28E-07	1.31E-02	3.25E-04	1.63E-05	1.76E-04
LA	LA-OS-00-01.001	206.96	1.33E+04	4.16E-04	--	2.08E+00	1.46E-01	7.00E+03	6.65E+02	1.85E+02	9.89E+01	4.21E-02	3.93E-08	1.64E-04	1.13E-08	1.30E-04	1.48E-13	1.07E-05	7.97E-01	2.17E-05	1.81E-04	2.66E-09
LA	LA-OS-00-01.001-S	82.58	7.12E+02	--	--	8.34E-02	6.31E-03	5.46E+03	6.96E+02	2.08E+02	1.93E+02	5.69E-02	--	9.96E-01	1.08E-09	1.97E-04	1.11E-13	6.75E-07	1.04E+00	4.75E-05	1.67E-04	9.84E-07
LA	LA-OS-00-01-S	0.42	2.65E+00	--	--	1.41E-04	3.84E-05	1.41E+00	4.78E+00	4.85E+02	1.60E+00	9.65E-05	--	1.29E-04	4.03E-12	9.33E-02	3.42E-15	3.37E-09	1.41E-04	1.46E-07	4.46E-06	4.51E-13
LA	LA-OS-00-03	57.82																				

Table B 1. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-03-20	1.87	5.16E-01	--	--	--	3.46E-05	3.19E+02	3.74E-01	1.78E-01	2.09E-01	1.71E-04	--	--	1.81E-11	4.53E-05	4.10E-16	7.30E-09	1.19E-01	2.07E-08	2.96E-07	1.45E-12
LA	LA-TA-03-28	6.03	5.20E-01	--	--	--	7.75E-06	2.29E+00	4.05E+00	7.66E-01	8.89E-01	1.07E-04	--	--	1.37E-12	1.40E-07	1.96E-15	8.42E-10	4.89E-04	2.49E-07	1.34E-06	9.52E-13
LA	LA-TA-03-29	0.42	7.90E-02	--	--	--	9.42E-07	1.50E+02	1.13E-01	4.43E-02	2.23E-01	3.19E-05	--	--	1.13E-13	6.85E-06	8.80E-17	8.39E-11	2.74E-02	5.82E-09	6.85E-08	2.50E-13
LA	LA-TA-03-30	7.77	8.68E-02	1.46E-06	--	3.56E-06	2.93E-06	5.58E-02	5.31E-02	1.68E-02	1.58E-02	9.72E-07	--	--	1.28E-12	3.40E-09	4.30E-17	5.36E-10	1.19E-05	3.51E-07	2.95E-08	8.65E-15
LA	LA-TA-03-31	0.21	1.20E-01	--	--	--	1.29E-06	2.39E-02	1.19E+00	2.77E-01	4.17E-01	1.61E-05	--	--	1.30E-13	9.09E-10	4.68E-16	1.05E-10	3.96E-06	5.62E-08	3.95E-07	1.16E-13
LA	LA-TA-03-33	2.1	2.62E-04	--	--	5.25E-07	1.85E-04	--	--	--	--	--	--	--	1.35E-10	5.50E-13	--	4.82E-08	2.04E-09	--	--	1.20E-05
LA	LA-TA-03-34	20.79	1.54E-02	--	--	7.07E-08	1.94E-07	2.42E+00	3.84E-02	4.28E-03	8.29E-03	2.48E-07	--	--	1.99E-14	5.79E-08	4.78E-18	1.64E-11	3.14E-04	2.66E-06	4.96E-09	6.16E-06
LA	LA-TA-03-40	17.01	--	--	--	--	--	4.54E-01	7.56E+00	--	--	--	--	--	--	2.16E-08	--	--	8.48E-05	3.12E-05	--	--
LA	LA-TA-03-42	56.7	3.50E-03	--	--	--	4.38E-08	1.00E-01	6.01E-01	7.92E-03	8.96E-03	4.59E-07	--	--	5.72E-15	4.97E-09	1.70E-17	4.07E-12	1.91E-05	3.20E-08	1.27E-08	3.74E-15
LA	LA-TA-21-05	0.42	1.16E-01	--	--	--	1.66E-06	2.04E-02	1.05E+00	2.50E-01	2.19E-01	1.69E-05	--	--	2.73E-13	1.29E-09	6.62E-16	1.73E-10	4.44E-06	1.99E-05	4.46E-07	1.53E-13
LA	LA-TA-21-06	233.79	4.11E+01	4.73E-06	--	--	6.05E-04	1.14E+04	2.03E+02	6.15E+01	7.74E+01	1.13E-02	--	--	1.09E-10	7.46E-04	1.63E-13	6.60E-08	2.53E+00	9.43E-04	1.10E-04	1.02E-10
LA	LA-TA-21-07	299.21	1.96E+01	1.27E-11	--	--	2.92E-04	8.60E+03	2.04E+02	3.91E+01	3.35E+01	3.40E-03	--	--	5.17E-11	5.89E-04	1.10E-13	3.17E-08	1.95E+00	4.26E-05	7.21E-05	2.01E-03
LA	LA-TA-21-08	2.91	4.60E-01	--	--	--	6.57E-06	7.31E+01	2.67E+00	7.49E-01	8.70E-01	1.12E-04	--	--	1.08E-12	4.63E-06	1.98E-15	6.88E-10	1.59E-02	1.58E-07	1.34E-06	1.01E-12
LA	LA-TA-21-09	2.5	3.75E-02	--	--	--	5.35E-07	1.20E+03	3.59E-01	8.36E-02	7.09E-02	4.85E-06	--	--	8.82E-14	7.61E-05	2.21E-16	5.61E-11	2.62E-01	2.12E-08	1.49E-07	4.40E-14
LA	LA-TA-21-10	1.89	--	--	--	--	--	--	5.08E-01	--	--	--	--	--	--	--	--	--	--	2.91E-08	--	--
LA	LA-TA-21-11	13.23	--	--	--	--	--	4.20E-01	2.11E+01	--	--	--	--	--	--	2.77E-08	--	--	9.34E-05	1.27E-06	--	--
LA	LA-TA-21-12	163.32	7.58E+01	--	--	--	1.09E-03	3.58E+04	2.76E+02	9.08E+01	1.40E+02	2.28E-02	--	--	2.30E-01	2.18E-03	2.32E-13	4.17E+01	7.64E+00	2.07E-03	1.59E-04	2.03E-10
LA	LA-TA-21-13	1766.36	1.24E+04	--	--	--	2.61E-01	1.47E+02	1.23E+02	--	--	--	--	--	6.98E-08	1.35E-05	1.10E-04	3.58E-05	3.96E-02	2.40E-02	--	1.12E-02
LA	LA-TA-21-14	55.15	--	--	--	--	--	--	9.30E+00	--	--	--	--	--	--	--	--	--	--	5.05E-07	--	--
LA	LA-TA-21-15	3.74	3.64E-01	--	--	--	5.10E-06	6.46E-02	4.73E+00	8.14E-01	7.24E-01	4.73E-05	--	--	8.09E-13	3.94E-09	2.08E-15	5.24E-10	1.38E-05	2.75E-07	1.43E-06	4.21E-13
LA	LA-TA-21-16	79.87	7.33E+01	--	--	--	1.03E-03	1.68E+01	6.33E+02	1.51E+02	1.45E+02	1.24E-02	--	--	1.64E-10	1.03E-06	3.86E-13	1.06E-07	3.59E-03	3.33E-03	2.64E-04	1.11E-10
LA	LA-TA-21-17	0.62	2.73E-03	--	--	--	3.90E-08	4.80E-04	2.62E-02	6.10E-03	5.17E-03	3.54E-07	--	--	6.43E-15	3.04E-11	1.61E-17	4.09E-12	1.05E-07	1.55E-09	1.09E-08	3.21E-15
LA	LA-TA-21-40	664.64	5.69E-01	--	--	2.99E-07	2.24E-05	1.10E+03	3.34E+02	8.85E-01	4.20E-01	5.15E-05	1.75E-04	1.85E-06	2.62E-08	5.45E-05	1.90E-15	5.18E-06	2.09E-01	1.78E-05	1.42E-06	1.36E-06
LA	LA-TA-21-41	15.12	--	--	--	--	--	--	1.83E+01	--	--	--	--	--	--	--	--	--	--	9.73E-07	--	--
LA	LA-TA-21-42	62.37	7.41E+00	--	--	--	2.59E-04	3.66E+00	2.11E+01	--	4.16E+00	--	--	--	1.03E-10	1.82E-07	--	4.57E-08	6.98E-04	4.31E-05	--	--
LA	LA-TA-48-01	8.32	2.43E-01	2.08E-05	--	2.63E-04	1.22E-04	3.98E-01	6.09E-01	1.53E-01	4.89E-01	4.28E-06	--	--	2.36E-05	1.12E-08	1.08E-16	8.13E-03	5.91E-05	1.87E-08	1.40E-07	2.03E-14
LA	LA-TA-50-01	1.89	1.54E-02	7.14E-06	--	6.50E-04	1.65E-07	1.78E-04	8.67E-04	--	--	--	--	--	1.18E-14	5.16E-08	--	1.17E-11	1.85E-04	3.41E-06	--	--
LA	LA-TA-50-02	0.62	2.86E-02	--	--	1.57E-07	5.20E-07	2.82E-01	3.48E-02	--	5.13E-02	--	--	--	6.86E-14	4.36E-09	--	5.23E-11	2.91E-05	3.24E-07	--	--
LA	LA-TA-50-05	0.21	1.72E-02	--	--	--	1.73E-07	2.58E-02	1.50E-01	3.99E-03	8.99E-03	--	--	--	1.12E-14	3.73E-10	2.81E-18	1.16E-11	2.57E-06	7.58E-09	3.67E-09	--
LA	LA-TA-50-06	3.55	1.14E+01	--	--	--	1.48E-04	2.52E+00	3.65E+00	2.17E+00	1.47E+01	3.02E-03	--	--	1.75E-11	7.47E-08	2.95E-15	1.33E-08	3.66E-04	1.55E-07	2.77E-06	1.96E-11
LA	LA-TA-50-10	3.95	1.86E+01	--	--	--	1.81E-04	1.48E+02	1.01E+02	2.40E+01	6.34E+01	1.49E-03	--	--	1.36E-11	2.96E-06	2.29E-14	1.29E-08	1.74E-02	3.70E-04	2.57E-05	1.35E-02
LA	LA-TA-50-11	0.83	2.98E-01	--	--	--	3.90E-06	5.17E-02	2.52E+00	5.70E-01	6.76E-01	3.30E-05	--	--	5.46E-13	2.46E-09	1.18E-15	3.77E-10	9.66E-06	1.32E-07	8.98E-07	2.64E-13
LA	LA-TA-50-12	9.22	1.20E-02	--	--	--	2.88E-07	1.89E-02	8.38E-02	--	6.53E-04	--	--	--	8.79E-14	4.09E-08	--	4.27E-11	1.62E-04	4.63E-09	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	7.31E-03	--	--	--	--	--	--	--	2.52E-10	--	--	1.15E-06	--	--	--
LA	LA-TA-50-14	0.42	5.25E-02	--	--	--	9.41E-07	2.51E-03	1.57E-02	--	--	--	--	--	1.83E-13	1.19E-10	--	1.10E-10	4.68E-07	8.21E-10	--	--
LA	LA-TA-50-15	91.12	1.45E+01	--	--	5.13E-01	2.29E-04	2.04E+02	3.72E+01	8.23E+00	1.11E+01	5.36E-04	--	4.13E-01	3.85E-11	9.11E-06	2.12E-14	2.47E-08	3.68E-02	1.64E-03	1.46E-05	1.47E-07
LA	LA-TA-50-16	13.23	4.56E-01	8.17E-03	--	3.32E-03	3.58E-03	2.73E+00	6.33E-01	9.22E-02	8.15E-01	8.69E-06	--	--	1.22E-09	7.28E-08	1.14E-16	6.38E-07	3.75E-04	2.56E-08	1.12E-07	5.38E-14
LA	LA-TA-50-18	3.54	1.56E+00	--	--	--	3.24E-05	7.79E-01	6.30E-01	9.29E-02	--	--	--	--	8.39E-12	5.13E-08	2.54E-16	4.37E-09	1.73E-04	1.27E-05	1.69E-07	--
LA	LA-TA-50-19	108.97	2.32E+01	--	--	5.84E-07	4.91E-04	3.83E+01	7.59E+00	--	2.62E-03	--	--	5.59E-07	1.31E-10	2.62E-06	--	6.73E-08	8.68E-03	5.68E-05	--	--
LA	LA-TA-50-20	0.62	2.75E-03	--	--	--	5.12E-08	--	3.00E-03	--	--	--	--	--	1.07E-14	--	--	6.21E-12	--	1.63E-10	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	6.05E-04	--	--	--	--	--	--	--	--	--	--	3.16E-11	--	--
LA	LA-TA-50-41	20.79	1.57E-01	--	--	--	1.43E-06	3.37E-02	1.59E+00	3.72E-01	7.49E-01	2.16E-05	--	--	1.08E-13	9.49E-10	4.82E-16	1.00E-10	4.76E-06	6.61E-08	4.64E-07	1.37E-13
LA	LA-TA-55-03	35.59	4.89E+01	--	--	--	1.25E-03	1.01E+02	2.18E+02	5.43E+01	1.58E+02	1.60E-01	2.73E-08	--	2.50E-10	2.15E-06	5.46E-14	1.58E-07	1.23E-02	1.77E-05	5.97E-05	1.05E-07
LA	LA-TA-55-04	1.25	5.95E-01	--	--	--	5.80E-06	7.33E-02	3.33E+00	7.87E-01	2.02E+00	4.47E-05	--	--	4.36E-13	1.47E-09	7.49E-16	4.13E-10	8.66E-06	1.18E-07	8.42E-07	2.43E-13
LA	LA-TA-55-05	56.5	2.09E+01	8.67E-05	--	1.56E-07	2.70E-04	1.08E+03	1.04E+02	2.54E+01	6.67E+01	6.69E-02	5.96E-08	1.52E-07	3.43E-11	8.97E-05	2.69E-14	2.53E-08	3.27E-01	1.57E-04	2.87E-05	2.30E-06
LA	LA-TA-55-07	3.12	5.79E+00	--	--	--	5.81E-05	3.54E+01	2.37E+01	5.80E+00	1.87E+01	1.17E-01	1.63E-07	--	4.61E-12	7.53E-07	5.83E-15	4.24E-09	4.32E-03	8.67E-07	6.38E-06	6.52E-10
LA	LA-TA-55-08	2.7	1.24E+00	--	--	--	1.25E-05	5.79E+00	6.88E+00	1.63E+00	4.02E+00	9.42E-05	--	--	9.90E-13	1.23E-07	1.64E-15	9.11E-10	7.06E-04	2.51E-07	1.79E-06	5.26E-13
LA	LA-TA-55-09	0.62	5.78E-02	6.44E-06	--	--	2.85E-06	1.16E+02	1.32E-01	7.12E-02	2.34E-01	8.73E-04	8.86E-10	--	6.83E-13	1.05E-05	7.16E-17	4.09E-10	3.82E-02	4.83E-09	7.83E-08	4.87E-12
LA	LA-TA-55-10	0.62	1.99E-01	1.10E-05	--	--	5.23E-06	6.46E+01	7.46E-02	6.47E-02	7.00E-01	6.83E-03	--	--	1.02E-12	5.62E-06	6.15E-17	6.53E-10	2.10E-02	2.65E-09	6.91E-08	3.71E-11
LA	LA-TA-55-12	0.21	2.17E-02	--	--	--	2.06E-07	3.10E-03	2.83E-02	1.38E-02	7.76E-02	4.08E-06	--	--	1.47E-14	5.84E-11	1.24E-17	1.42E-11	3.55E-07	2.29E-04	1.43E-08	8.75E-07
LA	LA-TA-55-14	358.8	3.27E+03	--																		

Table B 1. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238	
LA	LA-TA-55-18	0.42	--	--	--	--	--	9.67E+01	--	--	--	--	--	--	--	3.85E-06	--	--	1.64E-02	--	--	--	--
LA	LA-TA-55-19	1200.75	9.32E+02	3.62E-03	--	4.94E-06	1.74E-02	1.47E+04	4.12E+03	1.22E+03	2.11E+03	2.15E+00	1.78E-06	4.64E-07	3.62E-04	1.31E-03	5.62E-08	7.16E-02	4.01E+00	1.58E-02	4.06E-03	8.41E-03	
LA	LA-TA-55-19.01-S	81.42	7.69E+01	4.36E-03	--	4.91E-07	4.60E-03	1.64E+01	2.49E+02	6.14E+01	1.66E+02	1.67E-01	--	--	9.05E-10	6.30E-05	4.90E-14	6.03E-07	1.20E-01	2.34E-04	6.01E-05	3.86E-04	
LA	LA-TA-55-19.02-S	228.99	4.34E+02	7.73E-02	--	2.97E-04	2.52E-02	1.65E+02	8.16E+02	2.28E+02	8.68E+02	1.24E+00	--	2.71E-04	1.32E-05	1.91E-03	2.06E-05	4.54E-03	8.20E-01	9.77E-04	2.10E-04	1.53E-03	
LA	LA-TA-55-20	46.28	2.17E+01	1.90E-04	--	--	3.77E-04	3.60E+02	1.31E+02	3.21E+01	7.63E+01	2.64E-02	--	--	7.22E-11	1.02E-05	5.60E-14	4.44E-08	5.10E-02	3.55E-04	4.72E-05	4.45E-05	
LA	LA-TA-55-21	75.52	5.62E+01	2.72E-04	--	9.56E-08	8.71E-04	1.66E+03	3.25E+02	8.85E+01	1.11E+02	4.64E-02	2.53E-08	8.45E-08	1.77E-10	1.19E-04	2.17E-13	1.01E-07	3.91E-01	9.81E-05	1.52E-04	1.00E-03	
LA	LA-TA-55-22	27.13	4.77E+00	2.16E-05	--	1.85E-07	1.00E-04	1.38E+03	2.28E+01	5.99E+00	1.49E+01	2.71E-03	4.28E-10	1.79E-07	2.32E-11	9.48E-05	8.61E-15	1.32E-08	3.40E-01	2.66E-06	7.88E-04	4.05E-09	
LA	LA-TA-55-23	1.66	1.38E+00	--	--	--	1.64E-05	1.33E+02	1.28E+01	3.01E+00	3.89E+00	2.00E-04	--	--	1.97E-12	6.05E-06	5.97E-15	1.46E-09	2.42E-02	6.58E-07	4.65E-06	1.57E-12	
LA	LA-TA-55-24	1.46	8.82E-01	--	--	--	8.22E-06	1.70E-01	6.65E+00	1.64E+00	4.04E+00	1.30E-04	--	--	6.37E-13	4.03E-08	4.47E-15	5.86E-10	1.20E-04	1.37E-04	3.20E-06	3.16E-05	
LA	LA-TA-55-25	0.42	1.03E+00	--	--	--	1.17E-05	2.02E-01	9.91E+00	2.33E+00	3.24E+00	1.43E-04	--	--	1.29E-12	8.41E-09	4.28E-15	9.99E-10	3.51E-05	4.89E-07	3.46E-06	1.08E-12	
LA	LA-TA-55-26	1.66	1.12E-01	--	--	--	3.63E-06	4.04E+01	6.42E-01	1.67E-01	5.23E-01	2.60E-05	--	--	1.01E-12	1.14E-06	2.16E-16	5.48E-10	5.71E-03	2.66E-08	2.08E-07	1.65E-13	
LA	LA-TA-55-27	0.42	2.62E-03	--	--	--	3.05E-08	5.04E-04	2.56E-02	5.97E-03	7.80E-03	3.46E-07	--	--	3.51E-15	2.20E-11	1.14E-17	2.66E-12	8.98E-08	1.29E-09	9.05E-09	2.66E-15	
LA	LA-TA-55-29	3.74	6.31E-01	1.25E-04	--	--	6.58E-05	1.69E+03	2.04E+00	9.88E-01	1.75E+00	9.65E-04	--	--	1.98E-11	1.66E-04	1.16E-15	1.08E-08	5.67E-01	8.06E-08	1.17E-06	5.82E-12	
LA	LA-TA-55-30	1180.3	6.43E+02	3.56E-04	--	1.31E-06	8.84E-03	2.22E+04	2.26E+03	7.12E+02	1.40E+03	4.83E-01	1.42E-07	1.23E-06	2.85E-06	1.50E-03	1.83E-12	9.07E-07	5.04E+00	2.22E-03	1.26E-03	2.45E-02	
LA	LA-TA-55-30-S	95.32	1.30E+02	6.49E-03	--	4.41E-03	8.98E-03	3.65E+01	2.47E+02	6.94E+01	2.25E+02	5.99E-02	--	4.31E-03	2.84E-05	3.33E-06	3.28E-05	9.49E-03	1.34E-02	2.24E-04	6.60E-05	5.58E-04	
LA	LA-TA-55-31	21.65	1.16E+01	2.79E-06	--	--	1.25E-04	2.45E+00	1.04E+02	2.37E+01	4.10E+01	1.60E-02	1.37E-08	--	1.28E-11	1.42E-06	6.72E-14	1.03E-08	3.60E-03	1.05E-04	4.57E-05	2.39E-07	
LA	LA-TA-55-32	10.02	6.77E+00	7.38E-05	--	1.66E-07	1.44E-04	2.17E+03	2.08E+01	5.98E+00	1.24E+01	1.52E-02	1.31E-08	1.60E-07	4.04E-11	1.45E-04	3.75E-14	2.04E-08	4.98E-01	7.69E-05	1.94E-05	7.06E-07	
LA	LA-TA-55-33	2.5	2.00E-01	--	--	--	2.44E-06	3.95E-02	4.90E-01	2.38E-01	5.37E-01	7.24E-05	--	--	3.05E-13	1.88E-09	4.92E-16	2.22E-10	7.38E-06	2.56E-08	3.76E-07	5.79E-13	
LA	LA-TA-55-34	70.51	3.31E+02	--	--	--	4.47E-03	4.86E+01	1.83E+03	4.59E+02	6.60E+02	1.42E-01	9.66E-08	--	4.60E-05	8.38E-06	9.27E-13	9.64E-03	2.23E-02	6.52E-04	7.16E-04	2.80E-02	
LA	LA-TA-55-36	0.21	1.37E+01	--	--	--	2.05E-04	8.69E-02	4.21E+00	9.82E-01	1.71E+00	5.69E-05	--	--	2.85E-11	2.85E-09	1.46E-15	2.02E-08	1.33E-05	1.87E-07	1.31E-06	3.86E-13	
LA	LA-TA-55-38	3.54	9.47E-01	--	--	--	1.18E-05	1.76E+03	1.35E+00	5.28E-01	2.42E+00	3.80E-04	--	--	1.55E-12	8.76E-05	1.13E-15	1.10E-09	3.37E-01	7.21E-08	8.47E-07	3.10E-12	
LA	LA-TA-55-39	69.26	3.62E+02	--	--	--	4.22E-03	8.17E+01	3.39E+03	7.95E+02	1.08E+03	2.72E-01	2.07E-07	--	4.85E-10	3.62E-06	1.52E-12	3.68E-07	1.47E-02	1.74E-04	1.21E-03	3.92E-08	
LA	LA-TA-55-43	65.51	3.75E-01	1.95E-06	--	--	1.35E-05	2.44E+02	5.67E-01	1.90E-01	7.18E-01	1.74E-04	--	--	5.38E-12	1.49E-05	1.50E-06	2.41E-09	5.27E-02	1.05E-07	2.94E-07	1.37E-12	
LA	LA-TA-55-43.01-S	190.89	6.23E-01	1.44E-05	--	--	4.39E-05	4.33E+02	4.66E-01	7.62E-01	1.49E+00	5.33E-04	--	--	9.84E-12	1.87E-05	4.58E-06	6.16E-09	8.29E-02	1.61E-08	7.92E-07	2.82E-12	
LA	LA-TA-55-46	0.21	8.69E-05	--	--	--	1.08E-09	5.90E-02	5.13E-05	2.61E-05	2.00E-04	2.11E-08	--	--	1.33E-16	2.14E-09	4.23E-20	9.85E-14	9.53E-06	2.38E-12	3.64E-11	1.49E-16	
LA	LA-TA-55-47	1.89	2.71E-03	--	--	--	2.33E-08	6.00E-04	2.79E-02	6.52E-03	1.44E-02	3.78E-07	--	--	1.57E-15	1.52E-11	7.66E-18	1.55E-12	8.00E-08	1.10E-09	7.75E-09	2.28E-15	
LA	LA-TA-55-50	3.14	2.94E-02	--	--	--	3.39E-07	1.97E+00	1.55E-01	3.63E-02	1.02E-01	2.66E-06	--	--	3.55E-14	3.94E-08	3.45E-17	2.86E-11	2.32E-04	5.52E-09	3.88E-08	1.44E-14	
LA	LA-TA-55-53	11.86	5.94E+01	--	--	--	5.28E-04	7.85E+00	3.04E+02	7.51E+01	2.36E+02	5.48E-03	--	--	3.34E-11	1.30E-07	6.00E-14	3.44E-08	8.39E-04	9.91E-06	7.36E-05	2.73E-11	
LA	LA-TA-55-54	0.21	1.13E-03	--	--	--	1.64E-08	1.18E-04	6.10E-03	1.44E-03	1.72E-03	8.19E-08	--	--	2.59E-15	5.39E-12	2.86E-18	1.70E-12	2.16E-08	3.13E-10	2.23E-09	6.43E-16	
LA	LA-TA-55-60	75.6	7.65E+00	--	--	--	3.79E-03	8.01E+00	1.27E+01	4.39E+00	1.71E+01	4.04E-01	3.82E-07	--	2.22E-09	3.98E-07	9.40E-15	8.79E-07	1.53E-03	6.78E-07	7.04E-06	3.57E-07	
LA	LA-TA-55-61	119.07	7.28E+00	--	--	--	8.98E-05	4.27E+01	2.55E+01	8.70E+00	1.90E+01	1.78E-02	1.50E-08	--	1.14E-11	1.95E-06	1.73E-14	8.25E-09	7.80E-03	1.31E-06	1.35E-05	1.40E-10	
LA	LA-TA-55-62	15.12	2.84E-01	--	--	--	3.47E-06	6.09E-02	6.36E-01	3.05E-01	7.64E-01	1.01E-04	--	--	4.35E-13	2.90E-09	6.29E-16	3.16E-10	1.14E-05	3.33E-08	4.80E-07	8.11E-13	
LA	LA-TA-55-63	3.78	2.35E-02	--	--	--	2.46E-07	4.73E-03	2.33E-01	5.43E-02	8.59E-02	3.15E-06	--	--	2.37E-14	1.71E-10	8.81E-17	1.96E-11	7.64E-07	1.08E-08	7.58E-08	2.23E-14	
LB	LB-T001	1.61	5.95E-02	3.20E-03	--	--	2.74E-04	1.50E-04	3.05E-03	7.53E-04	9.44E-05	6.75E-05	1.86E-12	--	1.40E-06	2.32E-12	8.03E-09	4.66E-04	1.55E-08	1.77E-07	7.15E-10	2.57E-07	
LB	LB-T002	1.4	4.19E-02	3.48E-04	--	2.17E-09	4.89E-03	6.88E-03	7.68E-02	1.12E-04	6.41E-03	6.01E-05	4.06E-05	--	1.68E-09	1.84E-10	1.38E-19	8.72E-07	9.45E-07	6.74E-07	1.36E-10	2.66E-08	
LB	LB-T003	1.4	1.71E-01	--	3.14E-03	--	2.23E-06	--	--	3.39E-05	--	--	--	--	2.34E-13	--	1.98E-20	1.91E-10	--	--	2.61E-11	--	
LL	BLCHDN.001-S	1.66	1.05E-01	2.23E-03	7.23E-02	--	8.95E-04	7.10E-02	4.38E-06	4.06E-04	2.20E-04	--	--	--	1.53E-10	8.89E-10	1.07E-19	1.13E-07	6.57E-06	6.68E-14	2.06E-10	--	
LL	LL-M001	1532.77	6.86E+03	1.07E+00	1.25E+03	1.34E+00	1.49E-01	6.93E+03	5.74E+03	1.75E+03	5.92E+03	5.49E-01	1.13E-08	1.32E+00	1.69E-01	1.16E-03	6.16E-05	3.33E+01	7.05E-01	7.72E-03	1.35E-03	1.78E-02	
LL	LL-M001-S5400-S	143.14	3.29E+02	1.35E-02	1.12E+01	1.13E-05	7.58E-02	2.90E+02	5.98E+02	1.68E+02	5.88E+02	3.17E-02	--	1.09E-05	1.26E-08	8.51E-06	1.03E-13	9.35E-06	4.55E-02	5.13E-04	1.44E-04	3.54E-03	
LL	LL-T004	1.25	2.04E+01	--	7.24E-04	--	2.51E-04	1.37E+00	4.26E+00	2.08E+00	8.07E+00	1.30E-03	--	--	1.87E-11	1.36E-08	1.03E-15	1.86E-08	1.12E-04	1.09E-07	1.60E-06	5.09E-12	
LL	LL-T005	0.42	7.44E-03	--	--	4.29E-03	6.07E-08	2.29E-04	5.99E-03	1.38E-03	1.15E-02	1.63E-07	--	4.21E-03	2.72E-15	2.27E-12	6.83E-19	3.38E-12	1.88E-08	1.54E-10	1.06E-09	6.40E-16	
LL	LL-W018a	1517.72	7.40E+01	--	1.82E-02	--	6.05E-04	4.70E+00	4.88E+01	1.45E+01	1.23E+02	3.11E-03	--	--	2.73E-11	4.65E-08	7.20E-15	3.38E-08	3.85E-04	1.25E-06	1.12E-05	1.22E-11	
LL	LL-W018b	27.35	2.58E+02	8.02E-05	2.60E-03	6.78E-02	2.26E-03	8.26E+01	4.56E+00	1.28E-05	4.04E-01	--	1.29E-20	2.08E-01	1.09E-10	8.18E-07	2.80E-21	1.31E-07	6.77E-03	3.43E-06	5.91E-12	--	
LL	LL-W019	15.81	3.88E+01	2.52E-06	4.83E-03	1.86E-05	1.98E-03	2.12E+01	8.20E+01	2.29E+01	9.18E+01	4.05E-03	--	1.83E-05	2.56E-03	2.57E-07	1.13E-14	1.05E+00	1.94E-03	7.31E-04	1.76E-05	2.07E-03	
MC	MC-W001	0.21	--	--	--	--	3.95E-05	--	5.05E-03	--	--	--	--	--	2.35E-11	--	--	9.28E-09	--	2.69E-10	--	--	
NT	NT-JAS-01	1971.73	3.73E+02	--	--	--	3.25E-03	1.09E+02	1.95E+02	1.58E+02	1.14E+03	--	--	--	1.82E-10	1.47E-06							

Table B 1. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
NT	NTS54MIX1R0-S	0.42	3.80E-03	9.55E-05	--	4.03E-05	8.23E-07	3.28E-04	2.89E-02	6.94E-03	6.46E-03	6.83E-07	--	--	1.56E-13	4.74E-12	4.89E-18	1.08E-10	3.27E-08	8.84E-10	6.39E-09	3.19E-15
NT	NT-W001	111.46	5.26E+01	2.21E-01	1.25E-01	2.46E-03	1.69E-03	1.85E+01	5.04E+02	3.38E+00	6.51E+00	1.58E-02	1.82E-07	8.14E-06	1.44E-03	1.05E-06	5.48E-15	3.27E-01	3.90E-03	4.24E-05	4.72E-06	2.80E-05
NT	NT-W002	18.79	8.86E+00	3.73E-02	2.11E-02	4.14E-04	2.86E-04	3.12E+00	8.51E+01	5.69E-01	1.10E+00	2.67E-03	3.06E-08	1.37E-06	2.43E-04	1.78E-07	9.24E-16	5.52E-02	6.57E-04	7.15E-06	7.95E-07	4.72E-06
NT	NT-W003	1.89	1.56E+00	--	--	2.71E-05	3.07E-05	1.38E-01	3.38E+00	8.28E-01	2.50E+00	1.15E-04	--	--	7.15E-12	5.00E-09	1.34E-15	3.98E-09	2.23E-05	1.53E-04	1.16E-06	4.62E-05
NT	NT-W004	0.21	--	--	--	--	--	2.75E-01	2.77E-02	--	--	--	--	--	--	9.97E-09	--	--	4.44E-05	1.28E-09	--	--
NT	NT-W005	0.21	1.60E-02	--	--	1.19E-07	3.28E-07	2.05E-03	5.03E-02	1.23E-02	3.73E-02	1.71E-06	--	--	8.23E-14	7.43E-11	2.00E-17	4.44E-11	3.31E-07	2.33E-09	1.72E-08	1.81E-06
NT	NT-W021	9	8.17E+00	--	--	--	8.57E-05	1.19E+00	5.11E+01	1.17E+01	2.99E+01	1.04E-03	--	--	8.25E-12	1.20E-05	1.90E-14	6.82E-09	2.85E-02	5.43E-04	1.63E-05	2.79E-02
OR	OR-CHEM-CH-HET	26	4.78E+00	1.04E-03	3.89E-02	1.32E-01	1.12E-04	8.61E+01	3.14E+00	5.85E-01	1.14E+00	8.10E-04	2.93E-19	1.07E-01	2.75E-03	3.77E-06	7.08E-05	6.12E-01	1.54E-02	6.52E-05	1.34E-06	1.05E-03
OR	OR-GENR-CH-HET	26	4.22E-01	4.72E-01	2.23E+00	8.49E-07	1.38E-02	7.35E+00	2.58E+00	3.71E-02	9.23E-04	1.13E-01	1.96E-09	4.28E-06	2.74E-04	2.80E-04	1.81E-06	6.09E-02	1.44E-03	4.69E-06	3.47E-05	5.41E-04
OR	OR-ISTP-CH-HET	69.06	1.78E+02	9.47E-01	2.33E+02	1.32E-02	3.02E-01	7.29E+02	1.23E+01	1.85E+01	7.26E+01	8.99E-02	8.51E-09	1.47E-05	8.03E-04	5.39E-04	1.46E-04	1.78E-01	1.21E-01	1.94E-04	2.77E-05	2.35E-04
OR	OR-NBL-CH-HET	11.44	3.34E-05	--	--	--	5.08E-10	5.85E-01	1.09E+00	4.28E-01	2.18E-05	--	--	--	6.49E-05	5.30E-07	7.24E-16	1.44E-02	1.27E-03	1.62E-04	6.10E-07	1.00E-03
OR	OR-NFS-CH-HET	58.86	5.31E+01	2.72E-03	1.87E+00	1.72E-02	7.47E-04	8.35E+00	8.69E+01	4.82E+01	8.00E+01	2.22E-02	1.19E-11	1.22E-01	5.67E-04	1.14E-03	6.61E-05	1.26E-01	2.65E+00	1.94E-04	6.87E-05	3.09E-03
OR	OR-NFS-CH-HOM	9.98	1.16E+02	--	--	--	1.57E-03	2.39E+01	1.59E+02	8.53E+01	2.01E+02	1.04E-02	--	--	2.13E-10	1.96E-03	1.44E-13	1.50E-07	4.55E+00	1.90E-04	1.22E-04	5.02E-03
OR	OR-NFS-CH-SOIL	123.76	1.62E+02	--	--	--	2.33E-03	2.08E+01	3.36E+02	1.48E+02	1.81E+02	1.15E-02	--	--	4.33E-05	2.92E-03	8.34E-06	9.64E-03	6.78E+00	5.68E-04	2.11E-04	7.00E-03
OR	OR-PGDP-CH-HET	3.74	--	--	--	--	8.79E-02	--	2.84E-01	--	--	--	--	--	4.13E-08	4.56E-06	--	1.84E-05	1.06E-02	4.25E-04	--	1.05E-02
OR	OR-RADP-CH-HET	45.76	3.12E+01	6.39E-02	3.06E+01	5.52E-04	4.25E-03	1.28E+00	1.08E+01	2.43E+00	3.52E+00	1.39E-04	8.89E-09	5.44E-04	9.27E-05	9.81E-08	5.80E-07	1.98E-02	3.27E-04	1.40E-04	3.24E-06	4.17E-06
OR	OR-REDC-CH-HET	489.23	1.33E+01	6.72E-01	3.37E+01	1.64E+00	1.39E-02	1.15E+01	1.28E+01	6.96E+00	1.88E+01	2.01E-02	2.03E-08	1.11E+01	8.19E-04	9.91E-07	1.24E-05	1.50E-03	3.18E-03	7.76E-06	2.33E-01	1.82E-06
OR	OR-RF-CH-HET	130.83	1.02E+01	1.02E-02	5.90E-02	8.16E-02	2.03E-04	3.32E+00	4.22E+01	9.79E+00	8.75E+00	3.60E-02	8.19E-17	6.04E-02	2.16E-01	2.34E-05	3.77E-04	4.15E+01	3.79E-03	1.09E-03	1.40E-05	2.67E-03
OR	OR-RF-CH-HOM	2.5	4.57E-02	--	--	1.52E-03	7.39E-07	1.39E-02	4.19E-02	4.12E-02	--	--	--	1.52E-02	1.18E-13	2.22E-08	6.97E-17	7.81E-11	5.25E-05	2.30E-06	5.88E-08	8.19E-05
OR	OR-TBD-CH-HET	165.85	2.28E+02	2.82E+00	1.21E+02	4.65E-01	8.17E-02	3.66E+02	8.55E+01	2.06E+02	2.68E+01	2.14E-02	5.33E-09	9.74E-03	1.24E-02	5.07E-05	1.78E-04	2.73E+00	7.79E-02	1.62E-03	3.10E-04	3.08E-02
OR	OR-W203	285.72	3.01E+00	1.84E-01	1.17E+02	5.27E+00	2.40E-05	1.59E+00	3.55E-02	2.22E+00	6.62E+00	2.43E-02	1.19E-09	3.83E+01	1.06E-12	1.57E-08	9.39E-16	1.32E-09	1.30E-04	9.10E-10	1.53E-06	9.50E-11
OR	OR-W213-CH-HET	322.63	1.12E+01	3.41E-03	1.19E-02	6.31E+00	1.15E-02	1.68E+00	5.43E+00	6.73E-03	7.04E+00	3.00E-03	--	4.63E-02	8.09E+00	1.36E-02	1.29E-01	1.05E-01	5.95E-01	8.87E-03	9.43E-03	1.13E-01
OR	OR-WSTR-CH-HET	0.42	--	--	--	--	--	3.66E-02	--	--	--	--	--	--	--	1.39E-09	--	--	6.06E-06	--	--	--
OR	OR-Y12-CH-HET	1.04	--	--	--	--	5.36E-03	1.53E-04	5.23E-02	1.09E-05	--	--	--	--	2.51E-09	2.00E-07	1.85E-20	1.12E-06	4.64E-04	1.20E-04	1.56E-11	5.29E-04
PA	PA-A015	2.08	3.88E-02	--	--	--	1.31E-01	2.35E-03	3.95E-01	--	--	--	--	--	5.15E-08	1.02E-02	--	2.50E-05	1.67E-02	8.35E-04	--	1.82E-02
PA	PA-W014	2.91	1.55E-01	--	--	5.58E-03	2.07E+00	--	1.60E-01	--	--	--	--	--	7.78E-07	2.76E-05	--	3.87E-04	7.14E-02	3.90E-03	--	1.09E-01
RF	RF001.01-S	979.16	1.69E+03	1.18E-03	--	--	6.86E-02	1.18E+02	3.36E+03	7.80E+02	3.14E+03	1.18E-01	--	--	2.33E-04	6.10E-05	6.23E-13	7.53E-02	2.12E-01	9.67E-03	7.64E-04	2.21E-03
RF	RF002.01-S	1460.53	1.63E+03	1.06E-03	--	1.71E-04	2.46E-02	1.75E+02	4.40E+03	1.04E+03	5.09E+03	1.23E-01	--	--	6.55E-05	3.97E-05	7.78E-13	2.19E-02	1.47E-01	7.14E-03	9.84E-04	2.83E-01
RF	RF003.01-S	355.39	2.97E+03	--	--	--	3.21E-02	4.24E+02	1.27E+04	3.06E+03	9.89E+03	2.93E-01	--	--	3.11E-05	1.15E-05	2.45E-12	1.01E-02	6.04E-02	9.10E-04	3.00E-03	1.30E-03
RF	RF004.01-S	282.97	2.69E+02	8.81E-07	--	--	3.59E-03	2.64E+01	6.86E+02	1.59E+02	8.56E+02	1.92E-02	--	--	3.76E-10	6.09E-06	1.12E-13	3.13E-07	2.31E-02	6.82E-04	1.46E-04	7.54E-04
RF	RF005.01-S	119.39	5.26E+03	--	--	--	6.26E-02	1.67E+02	4.78E+03	1.23E+03	2.20E+03	1.01E-01	--	--	5.64E-09	3.14E-06	1.10E-12	4.96E-06	1.91E-02	2.46E-04	1.28E-03	5.34E-10
RF	RF005.02-S	78.42	6.29E+03	--	--	--	7.28E-02	9.85E+01	2.90E+03	7.61E+02	1.21E+03	6.46E-02	--	--	6.12E-09	1.92E-06	6.45E-13	5.58E-06	1.15E-02	1.17E-04	7.68E-04	1.72E-07
RF	RF006.01-S	235.66	2.35E+03	--	--	--	2.86E-02	3.71E+02	9.21E+03	2.22E+03	8.24E+03	2.97E-01	--	--	3.64E-09	1.17E-05	2.74E-12	2.64E-06	5.59E-02	5.63E-04	2.71E-03	1.39E-06
RF	RF008.01-S	97.15	1.16E+03	--	--	--	2.47E-02	1.59E+02	3.39E+03	9.28E+02	2.93E+03	1.36E-01	--	--	3.94E-09	2.90E-06	7.88E-13	2.76E-06	1.79E-02	1.41E-04	9.37E-04	7.59E-08
RF	RF009.01-S	1326.87	6.64E+04	--	--	--	1.07E+00	1.58E+03	5.50E+04	1.36E+04	2.60E+04	1.37E+00	--	--	1.31E-07	2.90E-05	1.09E-11	1.02E-04	1.79E-01	2.10E-03	1.33E-02	2.72E-06
RF	RF010.01-S	629.55	1.79E+03	4.09E-05	--	--	2.21E-02	2.03E+02	6.26E+03	1.46E+03	5.09E+03	1.59E-01	--	--	2.20E-09	3.88E-05	1.10E-12	1.85E-06	1.45E-01	4.18E-03	1.38E-03	3.58E-03
RF	RF011.01-S	79.52	3.02E+02	--	--	--	2.92E-03	5.08E+01	1.49E+03	3.57E+02	1.08E+03	3.06E-02	--	--	2.08E-10	9.32E-07	2.51E-13	2.03E-07	5.77E-03	6.83E-05	3.28E-04	4.21E-06
RF	RF015.01-S	1.66	5.54E+00	--	--	--	1.25E-04	7.68E-01	1.87E+01	4.37E+00	2.65E+01	5.82E-04	--	--	1.81E-11	1.11E-08	3.08E-15	1.35E-08	7.66E-05	5.73E-07	4.02E-06	2.72E-12
RF	RF029.01-S	4346.69	2.88E+03	1.44E-03	--	1.43E-05	4.67E-02	2.99E+02	6.85E+03	1.64E+03	1.05E+04	2.21E-01	3.36E-16	9.59E-08	5.42E-09	2.60E-05	1.09E-12	4.39E-06	1.10E-01	2.84E-03	1.47E-03	1.26E-03
RF	RF031.01-S	20.59	1.41E+01	--	--	--	1.55E-04	1.89E+00	4.81E+01	1.11E+01	6.57E+01	1.32E-03	--	--	1.31E-11	2.57E-07	6.86E-15	1.20E-08	1.07E-03	3.05E-05	9.58E-06	4.10E-05
RF	RF032.01-S	209.25	2.63E+03	--	--	--	4.66E-02	2.53E+02	8.61E+03	2.02E+03	5.17E+03	1.52E-01	--	--	6.07E-09	4.43E-06	1.52E-12	4.65E-06	2.79E-02	3.29E-04	1.92E-03	5.05E-07
RF	RF033.01-S	25.58	1.75E+02	--	--	--	2.09E-03	2.81E+01	7.99E+02	1.86E+02	8.00E+02	1.84E-02	--	--	2.05E-10	4.93E-07	1.31E-13	1.74E-07	3.11E-03	3.50E-05	1.71E-04	6.00E-05
RF	RF036.01-S	44.1	7.62E+01	8.12E-05	--	--	9.03E-04	1.10E+01	2.64E+02	6.16E+01	4.10E+02	8.18E-03	--	--	8.32E-11	7.78E-07	3.80E-14	7.36E-08	3.47E-03	1.18E-04	5.30E-05	2.98E-03
RF	RF101.01-S	174.96	4.90E+02	1.05E-03	--	--	6.02E-03	6.55E+01	1.69E+03	3.94E+02	1.94E+03	4.61E-02	--	--	5.98E-10	1.25E-05	2.78E-13	5.07E-07	4.81E-02	1.40E-03	3.63E-04	8.53E-04
RF	RF101.29-S	30.39	4.36E+01	--	--	--	5.23E-04	6.25E+00	1.56E+02	3.63E+01	1.68E+02	4.24E-03	--	--	5.25E-11	1.68E-06	2.73E-14	4.40E-08	6.16E-03	1.84E-04	3.45E-05	2.04E-04
RF	RF101.30-S	117.41	4.18E+02	3.13E-04	--	--	6.03E-03	3.14E+01	8.78E+02	2.06E+02	8.46E+02	2.54E-02	--	--	6.81E-10	5.21E-06	1.55E-13	5.48E-07	1.97E-02	5.57E-04		

Table B 1. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF107.04-S	110.31	6.64E+01	--	--	--	1.04E-03	3.36E+00	8.32E+01	1.93E+01	1.27E+02	2.53E-03	--	--	1.09E-10	5.92E-07	1.19E-14	9.25E-08	2.42E-03	2.13E-04	1.66E-05	1.54E-02
RF	RF107.05-S	4.37	7.03E+00	--	--	--	7.85E-05	8.28E-01	2.04E+01	4.73E+00	3.12E+01	6.22E-04	--	--	6.66E-12	2.58E-06	2.92E-15	6.09E-09	9.93E-03	3.18E-04	4.07E-06	2.81E-06
RF	RF107.06-S	14.35	7.76E-01	--	--	--	6.24E-06	1.23E-01	3.05E+00	7.07E-01	4.65E+00	9.27E-05	--	--	3.54E-13	6.04E-07	4.36E-16	3.83E-10	2.32E-03	2.63E-04	6.09E-07	2.01E-02
RF	RF107.07-S	58.88	3.63E+02	1.69E-03	--	--	5.26E-03	2.99E+01	7.24E+02	1.68E+02	1.12E+03	2.23E-02	--	--	5.36E-10	3.60E-05	1.04E-13	4.59E-07	1.39E-01	4.44E-03	1.45E-04	2.20E-03
RF	RF110.01-S	9.15	7.43E+01	1.72E-03	--	--	8.41E-04	5.04E+00	1.25E+02	2.92E+01	1.44E+02	6.55E-03	--	--	7.09E-11	3.16E-07	2.06E-14	6.47E-08	1.38E-03	3.37E-05	2.69E-05	1.94E-04
RF	RF110.05-S	31.53	1.03E+02	--	--	--	1.01E-03	1.66E+01	4.61E+02	1.06E+02	3.29E+02	1.03E-02	--	--	7.45E-11	1.68E-06	7.99E-14	7.17E-08	6.65E-03	1.74E-04	1.01E-04	1.67E-05
RF	RF113.01-S	0.42	9.83E-02	--	--	--	1.70E-06	1.48E-02	3.70E-01	8.58E-02	5.14E+01	1.13E-05	--	--	2.21E-13	2.14E-10	6.05E-17	1.70E-10	1.47E-06	1.13E-08	7.90E-08	5.28E-14
RF	RF115.01-S	114.91	5.74E+02	--	--	--	6.29E-03	8.46E+01	2.53E+03	5.88E+02	1.43E+03	4.94E-02	--	--	5.20E-10	1.45E-06	4.14E-13	4.77E-07	9.24E-03	1.09E-04	5.41E-04	6.25E-04
RF	RF116.01-S	3.95	2.35E+01	--	--	--	3.35E-04	2.07E+00	9.79E+01	2.27E+01	3.58E+01	1.52E-03	--	--	3.55E-11	3.00E-08	1.60E-14	2.96E-08	2.07E-04	2.99E-06	2.09E-05	7.09E-12
RF	RF117.01-S	1.87	7.48E+00	--	--	--	9.57E-05	9.97E-01	2.44E+01	5.68E+00	3.48E+01	7.30E-04	--	--	9.63E-12	4.07E-07	3.75E-15	8.18E-09	1.56E-03	4.77E-05	5.06E-06	4.15E-07
RF	RF118.01-S	1432.29	1.72E+04	1.25E-03	--	--	2.14E-01	3.37E+03	6.66E+04	1.79E+04	5.61E+04	2.18E+00	--	--	2.25E-08	1.38E-04	1.43E-11	1.84E-05	6.37E-01	1.11E-02	1.76E-02	2.00E-04
RF	RF119.01-S	24.13	5.15E+01	--	--	--	6.60E-04	6.02E+00	1.47E+02	3.45E+01	2.16E+02	4.46E-03	--	--	6.31E-11	1.98E-07	2.13E-14	5.52E-08	1.03E-03	2.13E-05	2.97E-05	2.13E-04
RF	RF121.01-S	45.97	3.01E+02	--	--	--	2.67E-03	5.20E+01	1.97E+03	4.71E+02	8.94E+02	3.05E-02	--	--	1.55E-10	8.72E-07	3.11E-13	1.68E-07	5.63E-03	7.88E-05	4.19E-04	1.81E-07
RF	RF122.01-S	35.57	2.96E+02	--	--	--	5.89E-02	5.08E+01	1.37E+03	3.29E+02	7.86E+02	3.48E-02	--	--	1.12E-08	7.35E-07	2.32E-13	7.74E-06	5.07E-03	4.19E-05	3.03E-04	1.63E-10
RF	RF122.03-S	4.37	3.37E+01	--	--	--	6.90E-04	5.71E-01	1.42E+01	3.29E+00	2.16E+01	4.30E-04	--	--	8.20E-11	2.36E-06	2.03E-15	6.70E-08	9.08E-03	6.06E-04	2.83E-06	3.39E-02
RF	RF122.04-S	54.08	3.17E+02	--	--	--	6.38E-03	6.52E+00	1.61E+02	3.73E+01	2.46E+02	4.90E-03	--	--	7.53E-10	8.71E-06	2.30E-14	6.16E-07	3.37E-02	3.50E-03	3.21E-05	2.34E-01
RF	RF122.05-S	16.22	3.49E+00	--	--	--	4.12E-05	2.23E-01	5.46E+00	1.27E+00	8.39E+00	1.67E-04	--	--	3.48E-12	5.24E-06	7.82E-16	3.20E-09	2.01E-02	1.05E-03	1.09E-06	3.90E-02
RF	RF122.06-S	7.28	6.60E+01	--	--	--	9.38E-04	8.10E+00	2.52E+02	5.95E+01	1.42E+02	6.36E-03	--	--	1.01E-10	2.06E-07	4.19E-14	8.34E-08	1.13E-03	2.06E-05	5.48E-05	2.81E-04
RF	RF123.01-S	9.38	7.50E+01	--	--	--	7.60E-04	8.20E+00	3.02E+02	7.03E+01	1.77E+02	4.97E-03	--	--	5.54E-11	2.14E-07	4.95E-14	5.38E-08	1.16E-03	2.25E-05	6.47E-05	9.90E-08
RF	RF123.02-S	0.83	2.45E-02	--	--	--	1.87E-07	3.42E-03	8.31E-02	1.93E-02	1.28E-01	2.55E-06	--	--	9.05E-15	6.10E-08	1.19E-17	1.06E-11	2.34E-04	2.70E-05	1.66E-08	2.10E-03
RF	RF123.03-S	12.06	3.12E+02	--	--	--	5.21E-03	8.37E+00	2.06E+02	4.78E+01	3.01E+02	6.31E-03	--	--	5.87E-10	1.57E-07	3.15E-14	4.83E-07	9.68E-04	2.50E-05	4.25E-05	1.47E-03
RF	RF123.04-S	44.51	2.29E+02	--	--	--	2.63E-03	3.30E+01	8.06E+02	1.88E+02	1.19E+03	2.49E-02	--	--	2.45E-10	6.59E-07	1.24E-13	2.14E-07	3.97E-03	5.19E-05	1.67E-04	2.61E-04
RF	RF124.01-S	94.24	7.05E+01	4.49E-06	--	--	1.99E-03	9.16E+00	2.47E+02	5.67E+01	2.92E+02	6.58E-03	--	--	3.24E-10	2.16E-06	4.26E-14	2.71E-07	7.94E-03	1.32E-04	5.39E-05	1.42E-04
RF	RF124.02-S	13.31	1.86E+01	--	--	--	2.82E-04	2.59E+00	6.66E+01	1.52E+01	8.10E+01	1.84E-03	--	--	3.50E-11	1.29E-07	1.14E-14	2.71E-08	5.75E-04	1.20E-05	1.45E-05	8.78E-08
RF	RF125.01-S	14.39	2.38E+02	--	--	--	6.53E-03	1.26E+01	3.86E+02	8.92E+01	3.06E+02	7.66E-03	--	--	9.20E-10	2.52E-06	5.89E-14	7.03E-07	9.94E-03	2.97E-04	7.95E-05	6.28E-04
RF	RF126.01-S	1.04	6.24E+00	--	--	--	5.23E-05	1.23E+00	3.87E+01	8.66E+00	2.42E+01	5.44E-04	--	--	2.84E-12	2.73E-08	5.72E-15	3.17E-09	1.58E-04	2.43E-06	7.71E-06	1.14E-08
RF	RF126.04-S	2.08	1.41E+01	--	--	--	1.24E-04	2.03E+00	7.07E+01	1.63E+01	4.11E+01	1.27E-03	--	--	6.98E-12	6.23E-08	1.07E-14	7.67E-09	3.24E-04	5.48E-06	1.45E-05	3.15E-08
RF	RF128.01-S	198.22	1.34E+03	--	--	--	1.41E-02	3.05E+02	8.50E+03	2.06E+03	5.09E+03	1.51E-01	--	--	1.18E-09	4.76E-06	1.55E-12	1.07E-06	3.16E-02	2.72E-04	1.95E-03	2.97E-08
RF	RF129.01-S	467.76	3.53E+02	1.02E-04	--	5.71E-05	4.87E-03	3.68E+01	8.67E+02	2.07E+02	1.28E+03	2.72E-02	1.40E-19	--	5.08E-10	1.10E-05	1.37E-13	4.27E-07	4.24E-02	1.39E-03	1.85E-04	6.21E-04
RF	RF129.05-S	448.33	4.21E+02	3.42E-04	--	--	1.34E-02	3.32E+01	7.51E+02	1.81E+02	1.18E+03	2.47E-02	--	--	1.99E-09	2.00E-06	1.19E-13	1.49E-06	8.93E-02	2.08E-04	1.61E-04	6.31E-05
RF	RF130.01-S	38.59	3.28E+02	--	4.96E-08	3.69E-04	1.08E-02	2.03E+01	4.95E+02	1.15E+02	7.30E+02	1.53E-02	1.97E-15	1.76E-02	1.61E-09	1.50E-05	4.56E-09	1.21E-06	4.22E-02	1.60E-03	1.03E-04	2.29E-03
RF	RF134.02-S	11.34	3.13E-01	--	--	--	2.57E-06	3.74E-02	9.25E-01	2.14E-01	1.35E+00	2.82E-05	--	--	1.37E-13	5.03E-10	1.42E-16	1.54E-10	3.59E-06	2.74E-08	1.91E-07	1.28E-13
RF	RF135.01-S	2.29	5.19E+00	--	--	--	9.49E-05	1.32E-01	3.31E+00	7.65E-01	4.79E+00	1.00E-04	--	--	1.13E-11	8.86E-08	5.05E-16	9.10E-09	3.35E-04	3.73E-05	6.82E-07	2.89E-03
RF	RF135.02-S	10.4	2.08E+00	--	--	--	2.84E-05	2.50E-01	6.17E+00	1.43E+00	9.41E+00	1.88E-04	--	--	2.86E-12	1.08E-06	8.81E-16	2.45E-09	4.14E-03	1.33E-04	1.23E-06	1.17E-06
RF	RF137.01-S	0.42	3.31E-01	--	--	--	6.11E-06	2.68E-02	6.81E-01	1.57E-01	9.77E-01	2.05E-05	--	--	7.52E-13	3.61E-10	1.04E-16	5.98E-10	2.58E-06	2.02E-08	1.40E-07	9.26E-14
RF	RF139.01-S	11.65	3.54E+02	--	--	--	6.36E-03	1.34E+00	3.34E+01	7.73E+00	5.07E+01	1.01E-03	--	--	7.05E-10	6.53E-07	4.77E-15	5.90E-07	2.57E-03	2.00E-04	6.66E-06	1.30E-02
RF	RF140.01-S	172.16	7.94E+01	1.36E-05	--	--	9.93E-04	1.10E+01	2.47E+02	5.99E+01	3.89E+02	8.12E-03	--	--	9.88E-11	1.81E-07	3.96E-14	8.42E-08	1.18E-03	1.13E-05	5.33E-05	3.50E-08
RF	RF141.01-S	45.55	2.65E+02	--	--	--	2.14E-03	5.81E+01	1.82E+03	4.25E+02	1.23E+03	2.81E-02	--	--	1.12E-10	7.26E-05	2.81E-13	1.27E-07	2.72E-01	8.62E-03	3.79E-04	7.58E-05
RF	RF141.02-S	175.97	1.92E+03	--	--	--	2.60E-01	2.27E+02	7.42E+03	1.77E+03	4.48E+03	1.52E-01	--	--	4.55E-08	8.18E-05	1.17E-12	3.27E-05	3.14E-01	9.63E-03	1.58E-03	8.32E-05
RL	RL105-01	161.63	4.98E+01	1.29E-01	8.72E-01	6.50E+01	5.71E-02	6.63E+00	2.03E+01	1.17E+01	3.28E+02	4.18E-03	--	5.67E+01	8.43E-09	2.29E-06	2.72E-12	6.67E-06	9.69E-03	4.55E-04	2.04E-03	1.13E-02
RL	RL105-03	67.18	2.92E+01	--	--	5.20E+01	5.11E-03	2.12E+00	1.28E+01	7.01E+00	9.39E+01	3.38E-03	--	9.36E+00	7.34E-10	5.82E-06	3.75E-15	5.84E-07	2.40E-02	8.46E-04	5.62E-06	1.80E-02
RL	RL200-01	151.97	1.28E+02	--	--	7.11E-02	1.02E-03	1.42E+01	6.68E+01	3.76E+01	3.95E+02	1.52E-03	2.64E-10	--	4.70E-11	1.52E-07	2.01E-14	5.71E-08	1.21E-03	1.78E-06	3.01E-05	6.19E-12
RL	RL200-02	55.95	1.70E+01	--	--	2.32E+00	1.64E-04	1.44E-01	2.76E+00	1.11E+00	8.84E-01	1.96E-04	--	6.92E-01	1.07E-07	8.60E-07	2.24E-06	4.22E-05	1.79E-04	5.55E-06	8.90E-06	1.54E-04
RL	RL201-01	11.65	2.70E+01	--	--	1.07E+00	3.70E-04	--	1.85E+00	4.54E-01	--	--	--	2.71E+01	4.29E-11	1.57E-10	5.61E-16	3.34E-08	8.50E-07	7.47E-08	5.53E-07	7.32E-03
RL	RL202S-01	1.04	4.79E-02	--	--	--	8.17E-07	3.02E-03	7.61E-02	1.83E-02	3.85E-02	8.44E-07	--	--	1.10E-13	5.33E-11	1.55E-17	8.19E-11	3.34E-07	2.55E-09	1.85E-08	4.33E-15
RL	RL209E-01	82.44	5.14E+02	--	--	3.46E-07	1.12E-02	6.86E+01	6.92E+02	2.52E+02	3.37E+02	3.70E-02	--	3.04E-07	2.58E-09	7.88E-06	3.74E-13	1.47E-06	2.44E-02	5.39E-04	3.37E-04	1.31E-03
RL																						

Table B 1. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL233S-03	4.78	4.40E-01	--	--	3.70E-06	3.32E-04	9.66E-02	4.11E-01	1.73E-01	2.33E-01	1.42E-04	--	3.29E-06	4.53E-11	9.56E-10	8.59E-17	3.72E-08	7.91E-06	1.06E-08	1.34E-07	5.59E-13
RL	RL2718-01	0.62	8.05E-01	--	--	--	1.02E-05	8.97E-02	5.33E-01	2.97E-01	1.32E+00	1.09E-05	--	--	1.17E-12	2.66E-09	4.03E-16	8.99E-10	1.30E-05	2.26E-08	3.79E-07	7.08E-14
RL	RL300-01	194.73	4.64E+02	6.11E-03	--	1.34E-04	1.17E-02	8.70E+01	5.64E+02	2.58E+02	1.08E+03	4.92E-02	--	1.20E-04	1.35E-09	3.00E-05	3.96E-04	1.14E-06	1.27E-01	6.13E-03	2.07E-04	1.10E-01
RL	RL300-03	2.08	8.52E+00	--	--	--	1.04E-04	1.46E+00	9.72E+00	5.11E+00	1.97E+01	9.40E-04	--	--	8.00E-12	4.21E-08	2.53E-15	7.84E-09	2.38E-04	4.20E-06	3.94E-06	5.94E-05
RL	RL308-01	604.29	2.32E+04	1.82E-03	--	1.09E-01	1.92E-01	5.16E+03	9.98E+03	6.47E+03	4.04E+04	6.15E+00	--	9.77E-02	1.93E-04	8.42E-05	5.87E-04	7.93E-02	5.64E-01	1.49E-02	5.00E-03	2.14E-01
RL	RL325-01	1373.4	2.82E+03	6.54E-01	4.81E+00	8.39E-01	3.05E-01	9.83E+02	2.34E+03	9.63E+02	5.29E+03	2.81E-01	--	8.28E-01	1.33E-04	1.09E-04	3.19E-03	5.48E-02	5.04E-01	1.46E-02	7.44E-04	1.51E-01
RL	RL325-03	4.37	1.17E+01	--	--	5.28E-04	2.25E-03	6.70E-01	8.22E+00	2.46E+00	1.33E+01	2.46E-04	--	4.71E-04	3.24E-10	4.76E-07	1.32E-15	2.58E-07	1.99E-03	6.46E-05	1.97E-06	9.32E-04
RL	RLARG-01	5.62	1.93E+01	--	--	--	2.74E-04	2.06E+00	1.14E+01	6.44E+00	2.47E+01	2.61E-04	--	--	4.86E-03	7.84E-08	6.60E-04	1.08E+00	3.42E-04	5.42E-07	9.19E-06	1.89E-12
RL	RLBART-01	0.62	3.77E-06	--	--	--	4.50E-11	--	--	--	1.07E-05	--	--	--	5.40E-18	--	--	4.01E-15	--	--	--	--
RL	RLBAT-01	44.76	1.41E+01	3.44E-06	--	1.30E-06	1.27E-03	7.84E+01	8.34E+00	4.70E+00	1.98E+01	2.02E-04	--	1.17E-06	4.91E-10	4.19E-06	4.75E-06	2.34E-07	1.59E-02	1.19E-04	6.43E-06	3.91E-04
RL	RLBET-01	0.42	6.25E-03	--	--	4.51E-05	6.91E-08	1.79E-03	1.01E-02	5.66E-03	2.06E-02	2.27E-07	--	--	7.28E-15	7.13E-11	9.98E-18	5.76E-12	3.04E-07	7.98E-06	8.24E-09	1.68E-15
RL	RLBW-01	405.26	8.03E+02	4.80E-05	--	1.09E-01	1.08E-02	1.35E+02	9.19E+02	4.37E+02	1.85E+03	7.81E-02	--	9.69E-02	1.81E-04	5.97E-06	2.17E-13	7.44E-02	3.09E-02	5.46E-04	3.37E-04	1.18E-02
RL	RLBW-03	0.83	3.20E+00	--	--	4.03E-07	4.56E-05	5.92E-01	2.98E+00	1.62E+00	7.12E+00	3.25E-04	--	3.67E-07	3.89E-12	2.66E-08	8.01E-16	3.67E-09	1.37E-04	3.06E-06	1.25E-06	4.47E-05
RL	RLCBWD.001-S	71.7	1.14E+02	--	--	1.77E-04	1.62E-03	1.94E+01	1.27E+02	6.09E+01	2.54E+02	1.06E-02	--	1.58E-04	4.44E-05	8.84E-07	3.26E-14	1.76E-02	4.44E-03	8.36E-05	4.88E-05	1.49E-03
RL	RLCFF-01	10.82	1.94E+01	--	--	4.30E-07	1.58E-04	2.77E+00	2.04E+01	1.03E+01	4.33E+01	1.68E-03	--	3.84E-07	7.25E-12	5.81E-08	4.48E-08	8.86E-09	3.58E-04	5.12E-06	7.99E-06	1.24E-04
RL	RLCFF-03	4.99	6.68E+00	--	--	--	9.59E-05	7.90E-01	7.19E+00	3.52E+00	5.52E+00	4.48E-04	--	--	1.32E-11	4.88E-08	5.47E-15	9.36E-09	1.76E-04	2.61E-06	4.81E-06	4.90E-05
RL	RLCFFD.001-S	273.7	5.69E+02	--	--	1.03E-05	4.97E-03	7.95E+01	5.98E+02	3.02E+02	1.16E+03	4.65E-02	--	9.16E-06	2.63E-10	1.94E-06	1.30E-06	2.99E-07	1.11E-02	1.50E-04	2.51E-04	2.99E-03
RL	RLCH2-01	0.21	9.27E-03	--	--	--	9.86E-08	--	--	--	--	--	--	--	6.94E-15	--	--	6.91E-12	--	--	--	--
RL	RLESG-01	49.89	4.45E+01	--	--	6.40E-02	7.66E-04	4.70E+00	3.62E+01	1.64E+01	6.03E+01	3.08E-03	--	4.91E-02	9.28E-11	1.61E-05	1.39E-05	7.36E-08	5.79E-02	1.47E-03	1.51E-05	1.43E-03
RL	RLEXX-01	43.47	5.98E+03	3.27E-05	--	2.40E-06	9.86E-02	8.23E+02	1.73E+03	1.53E+03	2.40E+03	1.61E+00	--	2.16E-06	1.72E-08	3.59E-05	2.93E-12	1.08E-05	1.47E-01	8.81E-05	2.32E-03	1.57E-05
RL	RLGEV-01	379.34	2.04E+02	--	--	1.61E-05	3.84E-03	2.88E+01	2.22E+02	9.54E+01	1.54E+02	1.52E-02	--	1.41E-05	8.54E-10	4.28E-05	1.75E-13	4.81E-07	9.76E-02	2.33E-03	1.42E-04	5.29E-02
RL	RLHAN-01	154.73	1.59E+02	3.63E-04	--	1.68E-02	3.17E-03	2.14E+01	1.02E+02	5.48E+01	4.34E+02	2.42E-03	--	1.53E-02	4.39E-05	1.14E-06	1.69E-04	1.47E-02	5.03E-03	9.72E-05	5.21E-05	1.24E-03
RL	RLHMOX.001-S	193.86	1.00E+04	4.29E-04	--	3.40E-04	4.94E-01	1.37E+03	7.75E+03	3.92E+03	1.70E+04	1.96E+00	--	3.00E-04	7.90E-08	2.21E-04	2.59E-12	5.82E-05	8.83E-01	4.87E-02	3.49E-03	5.96E-01
RL	RLIAEA-01	0.21	8.13E-01	--	--	2.34E-05	1.87E-05	3.65E-01	2.25E-01	2.90E-01	6.53E-01	4.28E-04	--	--	4.78E-12	1.32E-08	4.71E-16	2.58E-09	5.89E-05	1.04E-08	4.06E-07	3.04E-12
RL	RLM233SD.001-S	17.28	5.94E+00	--	--	1.40E-04	4.13E-03	1.09E+00	1.18E+01	3.32E+00	8.36E+00	7.94E-04	--	1.25E-04	6.08E-10	1.83E-08	1.77E-15	4.81E-07	1.20E-04	1.21E-06	2.66E-06	1.34E-05
RL	RLM308D.001-S	67.07	2.11E+03	1.08E-03	--	9.11E-03	3.77E-02	4.58E+02	9.67E+02	6.10E+02	3.24E+03	5.80E-01	--	8.11E-03	2.70E-05	1.86E-05	1.56E-04	9.93E-03	9.16E-02	1.78E-03	5.25E-04	2.50E-02
RL	RLM325D.001-S	2.08	3.69E+00	1.49E-04	--	3.54E-04	6.39E-05	4.88E-01	3.20E+00	1.19E+00	6.70E+00	2.81E-04	--	3.21E-04	6.74E-12	2.96E-07	6.86E-16	5.79E-09	1.20E-03	4.77E-05	9.91E-07	4.54E-05
RL	RLMHASH.001-S	62.19	8.03E+02	--	--	2.01E-06	8.10E-03	6.28E+01	2.44E+03	6.03E+02	9.63E+02	8.17E-02	--	9.32E-07	5.19E-06	9.73E-07	4.53E-13	1.73E-03	6.49E-03	7.77E-05	5.73E-04	3.95E-10
RL	RLMLB-01	0.42	8.79E-02	--	5.68E+00	--	1.33E-06	9.15E-03	5.20E-02	1.24E-01	9.73E-02	1.19E-06	--	--	2.15E-13	3.99E-10	1.45E-16	1.40E-10	1.63E-06	2.62E-09	1.38E-07	9.13E-15
RL	RLMLL-01	1.04	2.02E-01	--	--	--	3.66E-06	1.96E-02	1.20E-01	6.74E-02	1.45E-01	2.73E-06	--	--	8.23E-13	1.25E-09	1.78E-16	4.55E-10	4.28E-06	7.09E-09	1.20E-07	2.47E-14
RL	RLMPDT.001-S	1678.3	4.04E+03	1.86E-03	--	1.35E-02	1.66E-01	8.15E+02	6.75E+03	2.20E+03	9.02E+03	4.29E-01	--	1.20E-02	9.42E-04	1.82E-05	3.38E-06	3.47E-01	1.06E-01	1.21E-03	1.89E-03	7.55E-03
RL	RLMPURX.001-S	117.89	6.88E+02	1.15E-04	--	7.58E-03	6.42E-03	1.58E+02	9.82E+02	3.87E+02	3.28E+03	9.89E-02	--	6.46E-03	1.10E-04	2.11E-06	2.39E-13	4.04E-02	1.51E-02	4.52E-05	3.34E-04	2.62E-04
RL	RLMSSC.001-S	64.69	8.86E+02	--	--	--	7.87E-03	1.73E+02	2.79E+03	6.18E+02	3.07E+03	7.24E-02	--	--	4.76E-10	2.55E-06	4.36E-13	5.04E-07	1.74E-02	9.17E-05	5.69E-04	3.93E-04
RL	RLMWARD.001-S	20.59	2.65E+01	--	--	2.28E-06	3.75E-04	6.58E+00	1.03E+01	7.11E+00	5.24E+01	5.52E-03	--	2.03E-06	3.35E-11	8.91E-07	3.80E-15	3.08E-08	3.94E-03	1.14E-04	5.70E-06	1.02E-03
RL	RLNPDT.002-S	438.3	7.47E+02	3.48E-03	--	7.71E-04	8.72E-03	1.62E+02	2.01E+03	4.79E+02	2.01E+03	8.39E-02	--	5.21E-04	8.10E-10	3.77E-06	6.21E-08	7.03E-07	2.11E-02	2.21E-04	4.55E-04	4.35E-04
RL	RLNPURX.001-S	38.82	3.35E+02	4.12E-05	--	1.06E-03	2.64E-03	8.08E+01	4.12E+02	1.60E+02	1.81E+03	5.02E-02	--	6.65E-04	1.40E-10	1.17E-06	1.13E-13	1.57E-07	8.05E-03	1.26E-05	1.47E-04	2.35E-10
RL	RLPFP-01	12412.85	4.03E+04	7.49E-03	--	1.06E-01	9.08E-01	8.28E+03	7.17E+04	2.32E+04	9.75E+04	4.67E+00	--	9.45E-02	7.09E-03	8.81E-04	4.91E-04	2.91E+00	4.10E+00	9.89E-02	1.79E-02	1.79E+00
RL	RLPFP-03	22.26	2.10E+02	--	--	4.25E-05	2.77E-03	3.79E+01	3.29E+02	1.06E+02	3.84E+02	2.17E-02	--	3.79E-05	1.30E-05	6.67E-06	6.54E-14	4.79E-03	2.73E-02	1.43E-04	9.13E-05	1.11E-03
RL	RLPFP-04	3.74	2.51E-01	--	--	--	2.02E-06	5.00E-02	8.56E-01	2.13E-01	7.08E-01	1.81E-05	--	--	9.41E-14	5.37E-10	1.14E-16	1.14E-10	4.27E-06	2.28E-08	1.71E-07	7.37E-14
RL	RLPRC-01	2.1	1.54E-01	--	--	--	2.03E-06	2.61E-02	3.44E-01	8.74E-02	2.63E-01	5.88E-06	--	--	2.58E-13	1.39E-09	1.04E-04	1.89E-10	5.29E-06	6.90E-08	1.20E-07	1.15E-06
RL	RLPURX-01	598.06	4.20E+03	4.01E-04	--	4.87E-02	3.52E-02	1.01E+03	6.24E+03	2.40E+03	2.31E+04	5.79E-01	--	4.21E-02	3.60E-03	1.08E-05	1.19E-12	1.48E+00	8.58E-02	2.74E-04	1.85E-03	1.87E-03
RL	RLRFETS.001-S	63.86	6.47E+02	--	--	1.04E-05	6.19E-03	6.53E+01	3.81E+03	6.31E+02	1.43E+03	6.53E-02	--	1.05E-06	2.25E-05	2.44E-06	4.75E-13	7.51E-03	1.17E-02	2.95E-04	6.00E-04	3.15E-10
RL	RLSWO-01	311.18	3.03E+02	2.75E-05	--	7.32E-03	4.85E-03	3.96E+01	4.71E+02	1.53E+02	5.44E+02	2.02E-02	--	6.53E-03	6.46E-05	1.49E-06	7.60E-14	2.65E-02	7.95E-03	1.79E-04	1.18E-04	9.17E-04
RL	RLSWOCD.001-S	5.82	5.13E+00	--	--	2.58E-04	5.25E-05	8.60E-01	1.08E+01	3.29E+00	1.02E+01	3.34E-04	--	2.30E-04	3.49E-12	1.87E-08	1.76E-15	3.60E-09	1.12E-04	1.72E-06	2.64E-06	1.52E-08
RL	RLVIPAC.001-S	154.98	3.79E+02	1.69E-05	--	1.07E-03	6.29E-03	1.26E+02	9.77E+02	2.98E+02	4.31E+02	8.82E-02	--	9.51E-04	3.92E-05	1.28E-04	1.60E-13	1.55E-02	5.32E-01	1.37E-02		

Table B 1. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-BCLCH-MT01	11.34	3.27E+01	--	--	--	2.50E-04	3.04E+03	6.22E+01	1.63E+01	1.84E+02	2.65E-03	--	--	1.25E-11	4.10E-05	1.07E-14	1.44E-08	2.92E-01	1.84E-06	1.45E-05	1.20E-11
SR	SR-SWMF-HET-A	731.23	1.53E+02	1.21E-01	5.72E+00	1.26E+01	4.24E-02	7.35E+02	3.85E+02	8.47E+01	8.14E+02	1.17E+00	--	7.12E+01	1.83E-06	2.13E-04	3.84E-13	7.86E-04	9.74E-01	1.68E-04	3.43E-04	1.37E+00
SR	SR-SWMF-SOIL	2.91	3.76E+00	4.89E+00	6.21E+01	--	6.81E-05	5.21E+00	1.76E-02	2.86E+00	2.97E-01	1.56E-03	7.19E-13	--	1.37E-11	2.58E-07	4.88E-15	8.08E-09	9.93E-04	7.33E-10	3.95E-06	1.27E-11
SR	SR-T001-221H-HEPA	298.79	3.71E+00	--	--	8.17E+00	1.11E-02	3.62E+02	1.16E+01	3.73E+00	1.56E+01	7.60E-04	--	4.55E-03	1.75E-04	1.37E-05	1.90E-12	4.33E-02	6.03E-02	7.03E-05	8.97E-04	4.86E-05
SR	SR-W026-221F-HEPA	1588.04	3.60E+02	--	--	1.94E-04	3.38E-03	4.89E+02	1.19E+03	2.77E+02	1.62E+03	1.02E-01	--	8.52E-10	2.69E-10	1.45E-05	3.77E-13	2.44E-07	7.10E-02	5.05E-05	3.54E-04	2.59E-08
SR	SR-W026-221F-HET	867.37	2.06E+02	6.78E-04	4.22E-02	4.47E-01	3.13E-03	1.29E+02	3.75E+02	8.60E+01	7.27E+02	1.96E-01	--	1.24E-01	2.29E-04	7.79E-06	2.61E-13	8.41E-02	3.56E-02	6.79E-04	2.19E-04	7.83E-04
SR	SR-W026-221F-HET-S	574.42	3.78E+02	5.59E-05	2.83E-02	1.63E-04	8.05E-03	2.60E+02	1.18E+03	3.28E+02	1.40E+03	3.91E-02	--	1.71E-04	1.01E-09	4.17E-05	3.95E-05	8.06E-07	1.71E-01	1.77E-03	2.83E-04	1.29E-02
SR	SR-W026-221F-HOM	8.45	5.05E-01	--	--	5.15E-06	5.43E-06	5.52E-01	2.58E+00	4.98E-01	1.75E+00	6.10E-05	--	1.92E-11	5.41E-13	1.76E-08	6.76E-16	4.41E-10	8.35E-05	1.14E-07	6.36E-07	1.19E-09
SR	SR-W026-772F-HET	501.86	8.27E+01	--	9.99E-03	1.51E+00	1.79E-01	7.00E+03	1.10E+02	2.81E+01	3.59E+02	2.94E-02	--	8.71E-01	5.92E-06	3.40E-04	1.60E-12	2.19E-03	1.61E+00	1.13E-03	1.13E-03	3.67E-03
SR	SR-W026-772F-HET-S	1419.83	2.13E+02	7.96E-04	3.41E-02	3.37E-02	1.36E-01	4.13E+03	3.29E+02	9.06E+01	4.62E+02	1.46E-02	--	2.92E-02	2.06E-04	2.71E-04	4.55E-04	7.40E-02	1.22E+00	1.31E-03	7.80E-05	1.04E-03
SR	SR-W027-221F-HET	636.58	9.26E+02	--	--	--	7.30E-03	8.45E+02	1.82E+03	4.27E+02	4.69E+03	1.38E-01	--	--	3.75E-10	1.14E-05	2.82E-13	4.28E-07	8.11E-02	5.40E-05	3.80E-04	4.72E-06
SR	SR-W027-221F-HETA-S	2110.05	9.03E+02	8.59E-05	--	1.23E+00	1.62E-02	5.03E+02	2.03E+03	6.32E+02	3.36E+03	1.05E-01	--	1.50E-04	4.25E-04	7.41E-05	1.07E-04	1.51E-01	2.98E-01	1.90E-04	5.63E-04	2.20E-03
SR	SR-W027-221F-HOM	3.33	9.28E+00	--	--	--	1.37E-04	6.54E+00	1.69E+01	3.94E+00	1.40E+01	6.85E-04	--	--	2.22E-11	3.11E-07	8.14E-15	1.43E-08	1.22E-03	8.82E-07	6.22E-06	5.48E-12
SR	SR-W027-221H-HEPA	162.54	3.34E+00	--	--	9.85E-01	1.81E-02	4.28E+03	5.68E+00	2.65E+00	3.64E+01	2.50E-03	--	3.23E-01	9.83E-07	4.66E-05	5.30E-13	3.90E-04	3.68E-01	3.10E-05	3.98E-04	1.34E-06
SR	SR-W027-221H-HET	2640	4.88E+02	7.63E-04	--	2.65E+01	1.41E+01	3.71E+05	1.78E+03	6.03E+02	3.23E+03	2.52E-01	--	1.14E+01	4.19E-05	5.24E-03	1.38E-10	1.63E-02	3.66E+01	5.27E-02	9.67E-02	6.53E-03
SR	SR-W027-221H-HET-S	2885.74	2.88E+02	2.09E-02	3.06E-03	7.46E-03	5.74E-01	5.02E+04	1.65E+02	5.49E+01	2.14E+03	3.24E-02	--	7.31E-03	1.85E-03	3.52E-03	4.93E-03	6.80E-01	1.57E+01	2.85E-03	4.73E-05	3.56E-03
SR	SR-W027-221H-HOM	1.04	6.34E-02	--	--	5.08E-03	1.35E-06	1.08E+00	2.01E-01	1.04E-01	1.15E-01	3.26E-05	--	--	6.98E-13	1.31E-06	2.77E-15	2.57E-10	2.83E-03	3.15E-05	1.14E-06	3.01E-06
SR	SR-W027-235F-HET	569.4	1.45E+02	--	--	--	1.66E+00	7.41E+04	9.31E+01	4.59E+01	1.53E+03	1.23E-01	--	--	2.92E-07	8.70E-04	2.64E-14	2.13E-04	6.63E+00	3.62E-05	3.82E-05	6.02E-04
SR	SR-W027-235F-HET-S	394.57	5.11E+01	5.23E-05	--	1.62E-04	5.70E-01	6.88E+03	2.29E+01	1.23E+01	2.41E+02	6.79E-03	--	1.59E-04	9.09E-08	4.69E-04	4.29E-04	6.93E-05	2.16E+00	1.19E-03	1.03E-05	2.53E-04
SR	SR-W027-235F-HOMO	3.33	8.85E-01	--	--	--	1.00E-05	6.20E+02	6.06E-01	3.28E-01	2.36E+00	3.89E-04	--	--	1.01E-12	1.75E-05	4.25E-16	8.25E-10	8.76E-02	2.51E-08	4.10E-07	2.47E-12
SR	SR-W027-773A-HET	4449.74	2.89E+02	1.96E+01	6.71E+02	3.05E+02	3.56E-01	1.20E+04	7.89E+02	1.94E+02	1.96E+03	7.87E-01	7.34E-11	2.16E+02	1.10E-04	1.48E-04	8.26E-12	4.18E-02	1.10E+00	1.08E-03	6.05E-03	2.00E-03
SR	SR-W027-773A-HET-S	505.72	5.58E+01	3.98E-01	8.04E+00	2.97E-02	6.34E-02	2.40E+03	1.05E+02	2.52E+01	1.54E+02	2.86E-03	--	2.91E-02	8.11E-06	1.61E-04	2.03E-04	3.10E-03	7.40E-01	2.95E-04	2.09E-05	4.06E-03
SR	SR-W027-999-AGNS-HET	45.87	1.96E+00	--	--	6.65E-02	2.60E-03	1.32E+00	3.15E+00	9.45E-01	3.81E+00	1.16E-04	--	4.55E-02	1.47E-09	1.61E-07	1.01E-13	5.95E-07	4.53E-04	8.37E-06	3.92E-05	1.20E-07
SR	SR-W027-999-AGNS-HOM	3.33	1.86E+00	--	--	--	1.74E-03	1.35E+00	3.47E+00	8.11E-01	2.88E+00	1.41E-04	--	--	9.83E-10	1.70E-07	1.67E-15	3.97E-07	4.73E-04	1.12E-05	1.28E-06	2.37E-04
SR	SR-W027-999-LASL-HET	124.8	8.05E+01	--	--	--	1.40E-03	2.11E+04	2.41E+01	1.49E+01	8.03E+01	1.72E-02	--	--	3.04E-10	1.39E-03	4.09E-14	1.70E-07	4.69E+00	1.45E-06	2.71E-05	1.59E-10
SR	SR-W027-999-LASL-HOM	18.72	2.59E+01	--	--	--	4.50E-04	9.56E+03	1.09E+01	6.26E+00	2.53E+01	7.33E-03	--	--	9.84E-11	6.30E-04	1.71E-14	5.49E-08	2.13E+00	6.55E-07	1.14E-05	6.75E-11
SR	SR-W027-999-MD-HET	8974.57	7.91E+02	--	1.04E-03	6.47E-05	1.39E-02	6.15E+05	7.46E+02	3.98E+02	1.22E+03	4.54E-01	1.51E-14	--	4.30E-04	4.05E-02	1.09E-12	7.53E-02	1.37E+02	4.40E-04	7.21E-04	8.76E-03
SR	SR-W027-999-MD-HOM-A	2.7	1.05E-01	--	--	--	9.22E-05	8.04E+01	6.96E-02	5.54E-03	1.99E-02	--	--	--	5.60E-11	5.21E-06	1.23E-17	2.18E-08	1.78E-02	1.08E-06	9.07E-09	--
SR	SR-W027-999-MD-HOM-B	22.64	4.24E-03	--	--	--	5.38E-07	1.69E-01	--	--	--	--	--	--	2.99E-13	8.75E-09	--	1.19E-10	3.30E-05	--	--	--
SR	SR-W027-999-MD-HOM-C	3.01	1.92E-03	--	--	--	3.59E-08	4.90E-01	2.38E-04	--	--	2.29E-08	--	--	7.53E-15	2.54E-08	--	4.35E-12	9.57E-05	1.29E-11	--	9.88E-17
SR	SR-W027-999-MD-SOIL	482.01	6.57E-02	--	--	2.20E-05	2.08E-04	2.15E+01	9.00E-01	--	--	3.06E-08	--	--	1.28E-10	1.11E-06	--	4.96E-08	4.20E-03	4.88E-08	--	1.32E-16
SR	SR-W027-FB-PRE86-C-S	2565.65	1.03E+03	1.56E-04	2.21E-01	3.42E-04	6.48E-02	2.48E+02	2.97E+03	7.06E+02	3.06E+03	1.89E-01	--	3.18E-04	2.27E-05	3.33E-05	9.85E-05	8.35E-03	1.39E-01	2.55E-04	6.08E-04	9.44E-04
SR	SR-W027-HBL-Box-A	7856.75	8.49E+01	--	--	2.82E-01	8.99E-01	4.94E+04	4.87E+01	2.64E+01	1.81E+02	3.13E-02	--	1.94E-01	3.38E-07	1.47E-03	3.58E-14	1.68E-04	7.18E+00	2.07E-06	3.37E-05	2.03E-10
SR	SR-W027-SRSG-HET	989.45	6.32E+02	3.53E-04	3.76E-03	1.85E-01	9.55E-02	2.99E+03	2.18E+02	5.13E+01	1.46E+03	1.14E-02	--	5.16E+00	1.77E-06	1.71E-04	8.67E-12	3.49E-04	6.16E-01	2.71E-04	3.18E-03	8.73E-05
SR	SR-W027-SRSG-HOM	66.94	2.85E+01	3.70E-03	1.85E-02	1.80E-03	3.15E-01	1.57E+03	1.34E+02	1.82E+01	5.46E+01	1.34E+00	--	1.81E-04	6.82E-03	1.57E-03	2.48E-11	1.30E+00	3.26E+00	2.38E-03	9.00E-03	1.42E-01
Total		168485	4.68E+05	7.17E+01	2.61E+03	5.48E+02	3.65E+01	1.47E+06	5.10E+05	1.44E+05	5.06E+05	7.46E+01	3.48E-04	5.03E+02	8.81E+00	5.87E-01	2.75E-01	1.56E+02	3.04E+02	4.42E+00	1.35E+00	2.71E+01

Table B 2. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238	
AE	AE-T009	2151.31	1.86E+02	5.69E-04	1.03E+00	4.00E+02	3.17E-02	1.29E+02	3.16E+02	6.89E+01	1.21E+02	--	--	1.00E+02	1.80E-05	7.58E-06	1.70E-13	3.32E-03	2.70E-02	2.81E-03	1.19E-04	1.10E-03	
AW	AW-T031.1322	114.51	2.52E+01	9.51E-04	3.13E-03	1.41E+04	3.33E-03	3.38E+01	3.63E+02	3.47E+01	1.82E+01	9.70E-04	--	1.84E+04	2.90E-09	5.26E-04	5.06E-11	1.24E-06	1.95E+00	7.26E-03	3.42E-02	1.02E-02	
AW	AW-W026	0.89	1.18E-01	--	--	6.42E-02	1.58E-06	--	2.21E-02	--	--	--	--	2.23E-01	1.75E-13	6.30E-15	--	1.39E-10	3.50E-11	2.28E-06	--	3.10E-07	
AW	AW-W028	79.83	--	--	--	8.91E+00	--	--	1.94E+00	1.02E-01	--	--	--	2.43E+01	--	1.10E-12	1.20E-16	--	6.10E-09	1.00E-04	1.21E-07	5.39E-05	
AW	AW-W046	40.8	6.82E+00	--	--	1.80E+04	9.59E-04	5.89E+00	4.67E+00	2.96E+00	5.61E+00	6.93E-04	--	1.92E+04	1.36E-10	6.36E-08	1.58E-15	1.09E-07	5.06E-04	1.11E-02	2.37E-06	4.33E-02	
AW	AW-W047	22.57	--	--	--	8.96E+02	--	--	9.30E-03	--	--	--	--	9.54E+02	--	--	--	--	--	2.75E-10	--	--	
BT	BT-T001	2.67	3.64E+00	1.94E-02	1.52E-01	4.92E+03	2.70E-02	1.75E+02	3.76E-01	4.21E-01	7.63E+00	2.99E-03	--	4.77E+03	4.40E-02	1.24E-03	2.27E-03	8.22E+00	1.17E+00	6.65E-03	7.56E-02	4.62E-05	
BT	BT-T007	0.89	1.21E+00	6.48E-03	5.06E-02	1.64E+03	9.00E-03	5.82E+01	1.25E-01	1.40E-01	2.54E+00	9.97E-04	--	1.59E+03	1.47E-02	4.14E-04	7.56E-04	2.74E+00	3.89E-01	2.22E-03	2.52E-02	1.54E-05	
IN	ID-ANLE-S5000-S	88.11	2.01E+01	--	--	1.60E+02	1.54E-04	6.66E+00	2.92E+01	1.54E+01	6.82E+01	8.80E-01	--	1.18E+02	1.86E-04	2.22E-05	7.65E-15	7.62E-02	9.51E-02	3.34E-03	1.19E-05	5.67E-04	
IN	IN-AE-AGHC-01	95.23	4.77E+01	--	--	4.40E+02	3.63E-04	1.65E+01	7.38E+01	3.87E+01	1.66E+02	1.22E-02	--	3.20E+02	3.21E-04	5.60E-05	1.92E-14	1.32E-01	2.40E-01	8.44E-03	2.99E-05	1.42E-03	
IN	IN-AW-161	1.78	--	--	--	1.94E-01	--	--	2.31E+00	4.89E-02	--	--	--	--	--	2.83E-15	7.27E-17	--	1.40E-11	1.45E-06	6.54E-08	1.10E-07	
IN	IN-ID-BTO-030	1.78	5.15E-03	6.88E-04	--	2.52E+01	7.26E-04	4.71E+00	6.18E-03	6.22E-03	--	6.02E-05	--	2.40E+01	5.99E-04	1.55E-07	1.48E-05	1.42E-01	7.23E-04	7.98E-05	8.32E-09	4.09E-13	
IN	IN-ID-INL-152	16.91	--	--	--	2.79E+02	2.35E-05	--	6.45E+00	2.49E+00	--	--	--	2.56E+02	2.78E-04	1.69E-11	4.06E-05	6.59E-02	8.37E-08	2.60E-03	3.33E-06	6.58E-04	
IN	IN-INTEC-SFS-01	0.89	1.79E+00	--	--	1.69E+00	2.29E-05	1.37E+00	2.42E-01	2.79E-01	4.34E+00	1.01E-03	--	1.20E+00	3.11E-12	7.08E-08	6.20E-16	2.17E-09	2.67E-04	8.61E-06	4.56E-07	8.35E-12	
IN	IN-NRF-153	8.01	1.30E-02	--	--	--	1.63E-07	1.88E-01	3.24E-03	3.49E-03	3.33E-02	1.16E-05	--	--	2.13E-14	9.33E-09	7.48E-18	1.51E-11	3.59E-05	4.74E-05	5.60E-09	9.46E-14	
IN	IN-TRA-150	3.56	3.62E+01	--	--	--	5.22E-04	3.19E+01	--	--	--	--	--	--	6.67E-11	9.48E-07	--	4.94E-08	4.64E-03	--	--	--	
IN	IN-TRA-157	4.45	1.50E-01	--	4.44E-03	1.14E-01	1.95E-06	1.17E-01	4.17E-03	4.23E-05	--	--	--	1.02E+00	7.59E-06	2.23E-07	2.16E-20	2.08E-03	6.43E-04	1.61E-10	3.03E-11	--	
IN	IN-W208.243	0.89	1.82E+01	--	--	--	2.37E-04	1.05E+00	4.25E+01	9.57E+00	2.95E+01	6.94E-04	--	--	2.94E-11	3.46E-08	1.42E-14	2.18E-08	1.62E-04	3.62E-05	1.28E-05	4.71E-12	
IN	IN-W216.876	15.13	7.37E+02	--	--	--	1.11E-02	8.63E-01	3.48E+01	7.88E+00	2.41E+01	5.69E-04	--	--	1.55E-09	2.84E-08	1.17E-14	1.10E-06	1.32E-04	1.54E-06	1.05E-05	3.86E-12	
IN	IN-W216.877	43.61	1.06E+03	--	--	--	1.60E-02	1.24E+00	5.01E+01	1.13E+01	3.48E+01	8.20E-04	--	--	2.23E-09	4.09E-08	1.69E-14	1.58E-06	1.91E-04	2.22E-06	1.52E-05	5.57E-12	
IN	IN-W228.884	8.9	6.41E+00	--	--	--	9.33E-05	4.06E-02	1.63E+00	3.68E-01	1.18E+00	2.65E-05	--	--	1.24E-11	1.27E-09	5.23E-16	8.97E-09	6.06E-06	7.06E-08	4.81E-07	1.76E-13	
IN	IN-W228.885	0.89	1.07E-01	--	--	--	1.55E-06	6.79E-04	2.71E-02	6.13E-03	1.97E-02	4.42E-07	--	--	2.05E-13	2.12E-11	8.72E-18	1.49E-10	1.01E-07	1.18E-09	8.01E-09	2.94E-15	
IN	IN-W228.886	21.36	7.69E+00	--	--	--	1.12E-04	4.87E-02	1.95E+00	4.40E-01	1.42E+00	3.18E-05	--	--	1.48E-11	1.52E-09	6.26E-16	1.08E-08	7.27E-06	8.48E-08	5.75E-07	2.11E-13	
IN	IN-W243.276	3.56	1.79E+00	--	--	--	1.99E-05	1.90E-01	7.61E+00	1.72E+00	5.52E+00	1.24E-04	--	--	2.03E-12	5.92E-09	2.44E-15	1.64E-09	2.83E-05	2.53E-06	2.25E-06	1.52E-07	
IN	IN-W243.277	1.78	3.58E+00	--	--	--	3.98E-05	3.80E-01	1.52E+01	3.44E+00	1.10E+01	2.47E-04	--	--	4.07E-12	1.19E-08	4.89E-15	3.28E-09	5.67E-05	5.06E-06	4.49E-06	3.03E-07	
IN	IN-W252.282	17.8	2.61E+01	--	--	--	2.74E-04	3.22E+00	1.29E+02	2.91E+01	9.35E+01	2.10E-03	--	--	2.60E-11	1.01E-07	4.13E-14	2.17E-08	4.80E-04	5.59E-06	3.80E-05	1.39E-11	
IN	IN-W254.1045	1.78	1.31E+00	--	--	--	1.26E-05	1.92E-01	7.70E+00	1.74E+00	5.61E+00	1.26E-04	--	--	1.05E-12	6.01E-09	2.48E-15	9.34E-10	2.87E-05	3.34E-07	2.28E-06	8.36E-13	
IN	IN-W294.343	8.9	5.36E+00	--	--	--	5.50E-05	6.98E-01	2.80E+01	6.33E+00	2.03E+01	4.58E-04	--	--	5.05E-12	2.18E-08	8.99E-15	4.28E-09	1.04E-04	1.92E-05	8.27E-06	3.04E-12	
IN	IN-W296.330	12.46	1.83E+00	--	--	--	5.75E-05	2.26E-01	9.08E+00	2.05E+00	6.59E+00	1.48E-04	--	--	1.69E-11	7.07E-09	2.91E-15	8.84E-09	3.38E-05	1.79E-06	2.68E-06	9.85E-13	
IN	IN-W296.331	12.46	6.12E+00	--	--	--	1.91E-04	7.55E-01	3.02E+01	6.83E+00	2.20E+01	4.95E-04	--	--	5.62E-11	2.36E-08	9.72E-15	2.94E-08	1.13E-04	5.95E-06	8.93E-06	3.28E-12	
IN	IN-W298.318	8.01	2.53E+01	--	--	--	2.90E-04	2.40E+00	9.60E+01	2.18E+01	7.01E+01	1.58E-03	--	--	3.09E-11	7.51E-08	3.09E-14	2.45E-08	3.59E-04	4.17E-06	2.85E-05	1.05E-11	
KA	KA-T001	381.47	1.44E-01	2.12E-04	1.86E-03	1.52E+02	3.44E-03	8.95E+00	3.04E-02	7.62E-03	2.44E-01	2.91E-05	6.90E-12	1.41E+02	9.08E-09	1.11E-05	1.71E-10	2.03E-06	2.03E-02	2.90E-04	2.75E-03	1.27E-06	
KA	KA-W016	39.02	1.47E-02	2.17E-05	1.90E-04	1.55E+01	3.51E-04	9.15E-01	3.11E-03	7.79E-04	2.49E-02	2.98E-06	7.06E-13	1.45E+01	9.28E-10	1.14E-06	1.75E-11	2.08E-07	2.08E-03	2.97E-05	2.82E-04	1.30E-07	
LA	LA-TA-00-03	0.89	--	--	--	--	--	--	1.24E+01	--	--	--	--	--	--	--	--	--	--	--	7.57E-07	--	--
LA	LA-TA-03-27	97.01	2.68E+00	--	--	8.55E+02	3.35E-05	1.03E+00	2.33E+02	2.52E+00	6.84E+00	1.52E-03	--	7.53E+02	4.37E-12	8.96E-07	2.70E-14	3.11E-09	1.94E-03	9.31E-03	1.22E-05	4.09E-05	
OR	OR-REDC-RH-HET	530.28	1.39E+00	7.11E-02	4.42E+01	1.92E+00	2.11E-05	5.18E-01	4.32E-01	9.14E-01	8.90E-01	6.79E-03	9.31E-10	9.11E+00	3.20E-12	1.97E-08	9.88E-16	2.16E-09	8.57E-05	2.04E-08	9.77E-07	4.89E-11	
OR	OR-TBD-RH-HET	266.45	2.23E+02	1.53E+00	1.84E+02	1.98E+03	2.68E-02	1.60E+02	2.93E+01	2.47E+01	4.17E+01	5.59E-02	1.10E-08	1.19E+03	1.52E-01	7.38E-06	1.95E-03	3.38E+01	2.95E-02	1.39E-03	1.51E-04	5.98E-04	
OR	OR-W213-RH-HET	158.56	5.50E+00	1.67E-03	5.84E-03	3.06E+01	5.66E-03	8.25E-01	2.67E+00	3.31E-03	3.46E+00	1.48E-03	--	2.51E-01	3.98E+00	6.68E-03	6.36E-02	5.15E+00	2.92E-01	4.36E-03	4.63E-03	5.54E-02	
RL	RL105-07	97.9	7.88E+00	1.16E-05	1.11E-01	1.08E+01	3.11E-04	1.31E+00	3.99E+00	2.02E+00	3.06E+01	2.57E-04	--	9.02E+00	7.85E-11	2.34E-06	1.54E-05	4.75E-08	9.35E-03	4.41E-04	1.75E-03	1.08E-02	
RL	RL105-09	347.99	7.10E+01	--	--	9.02E+01	9.89E-03	5.76E+00	3.55E+01	1.95E+01	2.24E+02	9.40E-03	--	3.33E+01	1.97E-09	1.81E-05	1.51E-10	1.33E-06	6.30E-02	2.36E-03	9.53E-02	5.09E-02	
RL	RL209E-08	0.89	2.76E+00	--	--	--	5.76E-05	3.79E-01	3.49E+00	1.22E+00	1.72E+00	1.52E-04	--	--	1.28E-11	1.25E-08	1.81E-15	7.36E-09	5.81E-05	1.55E-07	1.63E-06	1.03E-12	
RL	RL222S-08	3.56	6.70E-01	2.54E-02	--	1.72E-01	1.16E-02	5.37E-02	6.40E+00	2.16E-01	5.68E+00	5.73E-04	2.33E-06	2.64E-01	1.13E-03	5.80E-10	1.15E-16	4.46E-01	4.61E-06	2.35E-05	1.73E-07	3.93E-04	
RL	RL325-08	224.28	4.16E+02	4.52E-01	3.06E+01	3.95E+02	3.18E-01	4.10E+02	6.68E+01	7.03E+01	1.40E+03	9.55E-02	--	2.85E+03	1.96E-07	6.36E-06	1.76E-07	7.24E-05	4.24E-02	1.16E-03	6.74E-05	3.53E-03	
RL	RL325-09	0.89	2.27E-02	1.85E-05	3.15E-01	2.76E-02	1.91E-07	1.37E-03	2.85E-04	1.92E-03	1.69E-02	2.00E-08	--	6.85E-02	8.69E-15	1.36E-11	5.26E-19	1.07E-11	1.12E-07	1.07E-10	1.01E-09	5.00E-08	
RL	RLBART-08	0.89	4.31E-01	--	--	--	7.57E-06	3.60E-07	3.38E-06	1.63E-06	1.54E-06	4.72E-10	--	--	1.42E-12	1.64E-14	3.24E-21	8.69E-10	6.56E-11	1.73E-13	2.52E-12	3.71E-18	
RL	RLBAT-08	6.23	5.26E+00	2.86E-02	9.52E-01	3.78E+01	4.79E-05	2.92E+00	4.79E-01	7.85E-01	1.41E+01	2.09E-03	--	2.43E+01	3.98E-11	1.56E-07	1.22E-13	1.58E-08	7.00E-04	1.89E-05	7.97E-05	3.67E-04	
RL	RLBW-08	1.78	3.20E+00	--																			

Table B 2. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RLWTP-08	1777.74	3.50E+01	4.27E-03	--	8.43E+03	2.39E-02	1.23E+00	2.43E+01	4.14E+00	1.15E+01	2.84E-04	--	5.84E+03	4.46E-04	2.80E-05	2.46E-12	1.76E-01	1.15E-01	4.94E-03	1.85E-03	1.10E-01
SA	SA-W135	6.23	2.76E+01	--	1.73E-01	3.25E+02	1.52E-03	4.50E+00	3.86E+00	5.79E-01	7.60E-03	--	--	3.17E+02	3.44E-10	3.32E-06	5.50E-16	2.12E-07	1.05E-02	7.48E-04	6.18E-07	2.49E-04
SR	SR-BCLRH-MT01	0.89	3.46E+00	1.91E-02	6.52E-01	2.55E+01	2.61E-04	1.94E+00	3.16E-01	5.17E-01	9.78E+00	1.54E-03	--	1.64E+01	1.21E-10	2.64E-07	2.52E-13	5.93E-08	1.07E-03	1.28E-05	1.70E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	2.40E-02	1.32E-04	4.52E-03	1.77E-01	1.80E-06	1.35E-02	2.19E-03	3.58E-03	6.78E-02	1.07E-05	--	1.13E-01	8.36E-13	1.83E-09	1.76E-15	4.10E-10	7.41E-06	8.91E-08	1.19E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	9.04E-01	--	1.57E-01	4.17E-01	9.00E-06	8.75E-01	1.17E-01	1.91E-01	--	--	--	1.65E+01	4.58E-11	1.52E-07	1.52E-13	1.67E-08	6.04E-04	7.80E-06	1.03E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	2.41E+00	1.33E-02	4.54E-01	1.78E+01	1.82E-04	1.35E+00	2.20E-01	3.61E-01	6.82E+00	1.08E-03	--	1.14E+01	8.42E-11	1.84E-07	1.77E-13	4.13E-08	7.42E-04	8.94E-06	1.19E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	7.21E+01	3.97E-01	1.36E+01	5.30E+02	5.44E-03	4.05E+01	6.58E+00	1.08E+01	2.04E+02	3.22E-02	--	3.42E+02	2.52E-09	5.48E-06	5.27E-12	1.24E-06	2.22E-02	2.69E-04	3.56E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	4.93E+00	2.71E-02	9.29E-01	3.62E+01	3.71E-04	2.77E+00	4.49E-01	7.36E-01	1.39E+01	2.20E-03	--	2.32E+01	1.72E-10	3.76E-07	3.60E-13	8.44E-08	1.52E-03	1.83E-05	2.44E-04	3.56E-04
SR	SR-BCLRH-T006	0.89	1.16E+00	6.36E-03	2.18E-01	8.50E+00	8.72E-05	6.48E-01	1.06E-01	1.73E-01	3.28E+00	5.16E-04	--	5.49E+00	4.04E-11	8.80E-08	8.45E-14	1.98E-08	3.56E-04	4.31E-06	5.71E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	9.56E-03	5.24E-05	1.80E-03	7.03E-02	7.19E-07	5.35E-03	8.71E-04	1.43E-03	2.71E-02	4.24E-06	--	4.53E-02	3.33E-13	7.28E-10	6.97E-16	1.63E-10	2.94E-06	3.56E-08	4.71E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	1.14E-01	6.27E-04	2.15E-02	8.41E-01	8.58E-06	6.40E-02	1.04E-02	1.71E-02	3.23E-01	5.07E-05	--	5.40E-01	3.97E-12	8.69E-09	8.33E-15	1.95E-09	3.52E-05	4.25E-07	5.63E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	7.67E-01	4.22E-03	1.45E-01	5.67E+00	5.78E-05	4.31E-01	7.01E-02	1.15E-01	2.17E+00	3.42E-04	--	3.64E+00	2.68E-11	5.86E-08	5.63E-14	1.32E-08	2.37E-04	2.85E-06	3.80E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	4.76E+00	6.95E-02	1.16E+00	3.58E+02	4.51E-03	1.86E-02	1.36E-03	2.24E-02	4.20E-02	1.00E-05	--	1.90E+02	2.04E-09	1.64E-09	1.57E-15	1.02E-06	6.82E-06	4.86E-08	1.07E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	4.55E-02	--	6.06E-03	2.87E-01	4.53E-07	2.22E-02	1.06E-02	3.60E-05	--	--	--	1.52E-01	2.80E-14	5.75E-09	1.02E-20	2.97E-11	2.24E-05	3.14E-10	1.90E-11	--
SR	SR-SWMF-HET-RH	1.78	1.99E-01	9.22E-02	2.15E+00	4.10E-02	9.45E-04	5.92E-01	4.61E-01	1.61E-01	7.57E-01	5.18E-05	9.51E-15	3.00E-02	2.77E-10	3.03E-08	1.66E-15	1.56E-07	1.24E-04	1.34E-06	9.73E-07	2.84E-05
SR	SR-T003-773A-HET	104.06	1.00E+02	5.03E+00	1.55E+02	5.99E+01	1.81E-03	1.31E+02	1.64E+00	3.69E+00	3.57E+00	1.74E-03	3.31E-12	4.14E+01	9.30E-08	3.70E-06	5.67E-13	2.56E-05	1.86E-02	2.34E-05	2.96E-04	9.30E-07
SR	SR-W027-221H-HET-RH	7.12	5.77E-01	--	--	--	1.95E+00	3.41E+02	4.48E-01	2.23E-01	8.90E-01	2.55E-04	--	--	1.12E-06	1.63E-05	3.69E-14	4.51E-04	6.37E-02	9.85E-05	1.43E-05	4.42E-08
SR	SR-W027-SRSG-HET-RH	69.38	5.56E+01	1.92E-04	5.21E-01	7.39E-02	7.29E-04	2.36E+03	5.47E+01	3.29E+01	1.28E+02	5.51E-02	--	8.54E-02	1.03E-10	1.27E-04	7.58E-14	7.07E-08	4.71E-01	3.02E-06	5.48E-05	2.68E-08
Total		7079	4.48E+03	7.80E+00	4.36E+02	8.89E+04	2.49E+00	5.11E+03	2.92E+03	9.89E+02	3.94E+03	1.25E+00	2.34E-06	7.99E+04	4.19E+00	9.20E-03	6.86E-02	5.09E+01	5.18E+00	7.04E-02	2.48E-01	2.96E-01

Table B 3. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	101.78	4.69E+01	1.86E+00	9.36E-04	9.66E-02	1.25E-01	2.36E+01	8.52E+01	6.38E+01	2.10E-01	2.62E-02	2.83E-15	9.21E-02	8.93E-03	1.02E-04	7.96E-13	4.21E-02	9.35E-02	1.50E-03	2.47E-04	4.41E-02
AE	AECHHM-S	13.86	1.20E+01	5.08E-03	--	7.57E-05	2.25E-03	1.64E+00	4.11E+01	1.63E+01	2.08E-09	2.02E-03	--	7.23E-05	3.17E-04	6.95E-06	2.03E-13	1.12E-06	6.38E-03	1.11E-04	6.31E-05	2.69E-03
AE	AE-T001	511.88	1.65E+02	--	--	5.76E-01	2.20E+00	1.41E+01	4.65E+02	2.72E+02	9.73E-01	2.24E-01	--	3.71E-01	4.21E-03	4.53E-05	2.03E-04	3.08E-01	3.88E-02	9.28E-03	1.26E-03	1.63E-01
AE	AE-T003	23.32	4.19E+00	--	--	3.19E-04	1.47E-02	3.78E-01	2.88E+01	1.10E+01	1.07E-01	3.12E-04	--	7.39E-04	1.29E-04	2.33E-07	1.71E-13	9.54E-03	2.97E-04	7.92E-05	4.78E-05	1.67E-03
AE	MU-W002-S	4.5	5.72E+00	1.12E-03	--	9.09E-08	4.12E-03	--	2.26E-02	--	--	--	--	8.68E-08	1.08E-03	3.73E-12	--	2.26E-06	6.38E-09	2.90E-09	--	1.73E-05
AW	AW-N026.82	1.87	--	--	--	4.83E-02	--	--	7.63E-03	--	--	--	--	2.19E-01	--	--	--	--	--	1.06E-09	--	--
AW	AW-N027.531	31.79	8.96E-02	--	--	--	4.31E-06	4.66E+01	1.03E+02	6.17E-01	7.94E-04	7.88E-06	--	--	1.23E-07	2.45E-05	8.56E-15	9.63E-06	3.34E-02	8.01E-05	2.53E-06	2.46E-07
AW	AW-T033.1325	197.65	2.74E+02	1.70E+01	--	--	2.09E+00	2.95E+02	7.09E+02	1.60E+02	2.70E+00	4.64E-02	1.15E-05	--	8.48E-02	6.88E-04	4.29E-06	6.74E+00	6.16E-01	1.51E-02	4.03E-03	8.38E-03
AW	AW-W049	186.13	1.81E+02	--	--	--	8.05E-03	3.87E+00	5.79E+01	4.10E+01	1.54E+00	1.53E-02	--	--	8.93E-09	1.56E-06	4.80E-13	2.26E-06	2.37E-03	1.43E-03	1.54E-04	1.56E-05
BT	BT-T002	18.9	1.14E-02	3.98E-05	1.71E-05	1.05E+00	5.78E-05	3.36E-01	7.35E-04	1.49E-03	2.94E-04	1.17E-05	6.73E-13	9.62E-01	2.00E-10	2.53E-06	2.01E-12	3.28E-08	2.24E-03	2.65E-05	3.02E-04	1.22E-07
FR	FR-MOX-MT02	0.42	1.49E-06	--	--	--	7.98E-11	1.93E-07	2.98E-07	1.76E-07	2.13E-08	4.16E-09	--	--	1.24E-16	1.19E-13	2.82E-21	2.66E-14	1.52E-10	4.33E-14	7.73E-13	9.23E-17
FR	FR-MOX-T01	5.62	2.01E-05	--	--	--	1.08E-09	2.60E-06	4.03E-06	2.38E-06	2.88E-07	5.61E-08	--	--	1.67E-15	1.61E-12	3.80E-20	3.59E-13	2.05E-09	5.85E-13	1.04E-11	1.25E-15
IN	BN004-S	333.77	3.58E+02	--	1.35E-02	1.34E-04	1.88E-01	1.84E+01	1.21E+03	2.71E+02	5.29E+00	2.49E-02	--	2.08E-04	2.90E-03	2.02E-05	3.28E-12	2.43E-01	2.24E-02	2.64E-03	1.04E-03	1.92E-03
IN	BN161-S	58.4	5.01E+01	--	--	--	2.79E-03	3.62E+00	2.33E+02	5.27E+01	8.56E-01	4.31E-03	--	--	4.39E-09	1.55E-06	6.38E-13	9.42E-07	2.29E-03	3.22E-05	2.01E-04	8.32E-11
IN	BN211-S	522.55	4.83E+02	5.06E-06	--	7.41E-08	4.66E-02	3.25E+01	2.06E+03	4.71E+02	7.36E+00	3.99E-02	--	1.15E-07	3.63E-04	1.70E-05	5.70E-12	3.04E-02	2.33E-02	8.87E-04	1.80E-03	4.60E-06
IN	BN243-S	149.97	3.85E+01	--	1.01E-02	7.54E-09	4.33E-03	2.08E+00	1.18E+02	2.63E+01	4.38E-01	2.65E-02	--	1.17E-08	1.06E-08	1.92E-06	3.18E-13	1.94E-06	2.21E-03	2.56E-04	1.00E-04	5.12E-11
IN	BN252-S	178.73	2.09E+02	--	--	2.37E-08	7.03E-02	1.47E+01	1.13E+03	2.41E+02	5.19E+00	2.65E-02	--	3.45E-08	2.14E-07	6.76E-06	2.92E-12	3.66E-05	9.72E-03	3.77E-04	9.21E-04	5.13E-10
IN	BN296-S	474.38	6.37E+02	--	9.60E-03	4.95E-07	6.77E-02	3.15E+01	1.77E+03	3.91E+02	6.20E+00	4.00E-02	--	8.14E-07	6.75E-05	1.44E-05	4.73E-12	5.67E-03	2.07E-02	1.00E+00	1.49E-03	6.75E-04
IN	BN304-S	304.57	5.10E+01	--	--	2.25E-05	4.66E-03	5.68E+03	3.04E+01	2.27E+01	5.80E-01	1.94E-02	--	4.19E-05	1.05E-08	2.40E-03	2.74E-13	1.97E-06	3.57E+00	4.70E-05	8.66E-05	2.39E-02
IN	BN510-S	4064.78	1.47E+03	--	--	2.57E-05	1.25E-01	2.40E+02	6.14E+03	1.32E+03	2.34E+01	1.19E-01	--	3.93E-05	2.05E-04	1.27E-03	1.57E-11	1.73E-02	1.17E+00	1.01E+00	4.98E-03	2.58E-02
IN	BN835-S	1028.34	3.45E+01	--	--	4.85E-06	7.85E-03	6.35E+02	3.39E+00	2.15E+00	8.83E-02	2.20E-03	--	7.75E-06	2.28E-08	2.68E-04	2.60E-14	3.95E-06	3.99E-01	5.62E-07	8.22E-06	2.14E-04
IN	BN836-S	1669.29	2.13E+00	--	--	1.87E-05	2.27E-03	6.59E+02	2.70E+00	1.82E+00	2.04E-02	2.12E-03	--	2.81E-05	7.25E-09	2.72E-04	2.17E-14	1.23E-06	4.09E-01	3.31E-05	6.91E-06	1.34E-05
IN	BNINW216-S	4466.68	2.46E+04	--	--	4.89E-06	1.46E+00	6.48E+01	1.71E+03	4.29E+02	1.14E+01	2.29E-01	--	7.29E-06	2.41E-06	2.31E-04	5.20E-12	5.09E-04	2.18E-01	3.18E-02	1.64E-03	1.81E+00
IN	BNINW218-S	449.19	3.73E+01	--	--	5.54E-07	2.63E-01	8.42E-01	4.47E+01	9.11E+00	2.06E-01	1.35E-03	--	8.29E-07	8.86E-07	1.98E-05	1.12E-13	1.47E-04	1.73E-02	1.79E-03	3.51E-05	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	1.48E-01	--	--	--	8.32E-06	9.05E-03	7.30E-01	1.66E-01	2.42E-03	1.34E-05	--	--	1.33E-11	3.81E-09	2.01E-15	2.83E-09	5.68E-06	9.22E-08	6.34E-07	2.60E-13
IN	ID-RF-S3114-S	274.41	1.46E+01	--	--	2.54E-07	9.35E-04	5.72E-01	3.81E+01	8.20E+00	1.76E-01	8.00E-04	--	3.81E-07	1.66E-09	1.84E-06	9.78E-14	3.40E-07	1.76E-03	4.36E-05	3.11E-05	2.77E-03
IN	ID-RF-S3150-A-S	201.71	3.93E+01	--	--	9.61E-07	3.44E-03	2.59E+00	1.52E+02	3.30E+01	7.49E-01	2.83E-03	--	1.50E-06	7.63E-09	6.49E-04	4.00E-13	1.44E-06	5.65E-01	1.17E-04	1.26E-04	1.84E-04
IN	ID-RF-S5100-A-S	615.72	1.37E+02	--	--	7.31E-07	7.50E-03	7.17E+00	5.82E+02	1.22E+02	1.73E+00	1.05E-02	--	1.02E-06	1.23E-05	5.32E-06	1.47E-12	1.03E-03	6.50E-03	1.27E-04	4.64E-04	4.50E-06
IN	ID-RF-S5126-S	231.85	1.69E+02	--	--	5.32E-02	9.94E-03	1.13E+01	8.39E+02	1.93E+02	3.44E+00	1.79E-02	--	9.83E-07	2.58E-03	2.37E-05	2.31E-12	2.18E-01	2.37E-02	1.17E-04	7.33E-04	1.59E-03
IN	ID-RF-S5300-A-S	2091.87	7.53E+01	1.69E-08	4.11E-03	1.01E-06	7.11E-03	2.67E+00	2.16E+02	4.82E+01	7.73E-01	5.14E-02	--	1.29E-06	3.51E-03	2.68E-05	5.74E-13	2.97E-01	2.42E-02	6.19E-04	1.83E-04	8.55E-04
IN	ID-SDA-DEBRIS-S	33.49	2.86E+01	--	--	3.60E-07	1.64E-03	1.90E+00	1.11E+02	2.53E+01	3.16E-01	2.29E-03	--	3.94E-07	6.16E-05	7.30E-06	3.01E-13	5.20E-03	6.88E-03	1.65E-04	9.58E-05	2.07E-03
IN	IN-BN004	647.51	5.03E+02	--	--	1.90E-04	2.34E-01	2.61E+01	1.71E+03	3.83E+02	8.25E+00	3.48E-02	--	1.91E-04	7.08E-07	2.46E-05	4.49E-12	1.22E-04	2.84E-02	3.64E-03	1.44E-03	2.62E-05
IN	IN-BN222	265.5	1.53E+02	--	--	--	6.83E-03	7.51E+00	6.37E+02	1.41E+02	3.31E+00	1.57E-02	--	--	4.31E-03	1.29E-05	1.79E-12	3.53E-01	1.31E-02	1.06E-03	5.52E-04	2.63E-01
IN	IN-BN311	12.27	1.10E+02	--	--	--	4.95E-03	4.32E+00	3.78E+02	8.32E+01	2.07E+00	1.06E-02	--	--	5.89E-03	2.87E-06	1.05E-12	4.82E-01	3.61E-03	1.78E-04	3.25E-04	4.79E-03
IN	IN-BN409	16.43	1.09E+03	--	--	--	5.06E-02	1.74E+01	1.11E+03	2.51E+02	5.01E+00	1.87E-02	--	--	6.12E-08	7.81E-06	3.18E-12	1.48E-05	1.13E-02	1.44E-04	9.82E-04	3.70E-10
IN	IN-BN421	30.78	1.26E+02	--	--	--	5.60E-03	1.27E+01	6.47E+02	1.46E+02	2.92E+00	1.36E-02	--	--	3.17E-04	1.00E-05	1.86E-12	2.59E-02	1.19E-02	8.56E-04	5.72E-04	2.13E-03
IN	IN-BN432	67.39	1.37E+02	--	--	--	6.07E-03	6.49E+00	5.65E+02	1.25E+02	3.09E+00	1.56E-02	--	--	2.80E-03	3.88E-06	1.58E-12	2.29E-01	5.05E-03	2.66E-04	4.89E-04	6.94E-04
IN	IN-BN510	11223.71	3.68E+03	--	--	5.80E-05	2.55E-01	5.72E+02	1.55E+04	3.31E+03	6.09E+01	2.92E-01	--	5.82E-05	4.79E-07	2.87E-04	3.88E-11	9.61E-05	4.00E-01	1.74E-02	1.24E-02	6.27E-02
IN	IN-BN835	111.97	2.37E+00	--	--	3.86E-07	6.09E-04	5.17E+01	2.63E-01	1.66E-01	1.65E-03	1.62E-04	--	3.89E-07	1.74E-09	2.09E-05	1.94E-15	3.06E-07	3.17E-02	4.26E-08	6.23E-07	1.65E-05
IN	IN-BN836	240.6	6.88E-02	--	--	1.87E-06	2.13E-04	1.54E+01	6.21E-02	4.20E-02	1.31E-04	4.88E-05	--	1.89E-06	6.83E-10	6.23E-06	4.93E-16	1.16E-07	9.44E-03	3.14E-06	1.58E-07	1.26E-06
IN	IN-BNINW216	5484.89	2.07E+04	--	--	4.03E-06	1.21E+00	4.76E+01	1.43E+03	3.47E+02	9.94E+00	1.12E-01	--	4.05E-06	1.95E-06	1.62E-04	4.07E-12	4.16E-04	1.56E-01	2.65E-02	1.31E-03	6.80E-01
IN	IN-BNINW218	573.03	3.22E+01	--	--	4.77E-07	1.28E-01	6.12E-01	3.83E+01	7.63E+00	1.98E-01	1.07E-03	--	4.83E-07	4.11E-07	1.42E-05	8.95E-14	6.99E-05	1.27E-02	1.53E-03	2.87E-05	1.22E-01
IN	IN-GEM-01	7.28	2.72E+00	--	--	--	1.27E-04	1.27E-02	1.58E+00	3.59E-01	3.76E-03	1.87E-05	--	--	1.52E-10	5.59E-09	4.48E-15	3.70E-08	8.19E-06	2.03E-07	1.39E-06	3.67E-13
IN	IN-GEM-02	5.41	2.02E+00	--	--	--	9.41E-05	9.45E-03	1.17E+00	2.67E-01	2.79E-03	1.39E-05	--	--	1.13E-10	4.15E-09	3.33E-15	2.75E-08	6.08E-06	1.51E-07	1.03E-06	2.73E-13
IN	IN-ID-RF-S3114	3800.07	1.92E+02	--	--	3.41E-06	1.22E-02	7.55E+00	5.00E+02	1.08E+02	2.43E+00	1.05E-02	--	5.11E-06	2.14E-08	2.39E-05	1.26E-12	4.41E-06	2.30E-02	5.71E-04	4.05E-04	3.63E-02
IN	IN-ID-RF-S3150-A	56.13</																				

Table B 3. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	IN-W188.160	141.57	7.86E+00	--	--	--	4.13E-04	8.08E-01	6.96E+01	1.52E+01	2.80E-01	2.85E-03	--	--	6.15E-10	4.72E-07	2.33E-13	1.34E-07	6.15E-04	9.91E-06	6.54E-05	6.18E-11
IN	INW198.001-S	49.09	7.11E+00	--	--	--	3.14E-04	4.38E-01	3.77E+01	8.33E+00	1.76E-01	8.87E-04	--	--	3.18E-06	3.64E-07	1.06E-13	2.60E-04	4.27E-04	4.05E-05	3.26E-05	5.90E-05
IN	INW211.001-S	303.92	8.72E+02	--	--	--	3.85E-02	4.87E+01	3.63E+03	8.00E+02	2.15E+01	1.40E-01	--	--	1.58E-04	2.63E-05	1.01E-11	1.30E-02	3.55E-02	1.41E-03	3.13E-03	1.47E-03
IN	INW216.001-S	1245.06	4.67E+04	--	--	--	2.23E+00	4.11E+01	3.25E+03	7.22E+02	1.80E+01	1.18E-01	--	--	4.15E-04	7.56E-04	9.30E-12	3.41E-02	6.49E-01	1.04E-01	2.85E-03	3.89E+00
IN	INW218.001-S	1110.87	7.09E+02	--	--	--	3.34E-02	6.13E+00	4.95E+02	1.10E+02	2.71E+00	1.70E-02	--	--	1.37E-04	1.10E-03	1.41E-12	1.11E-02	9.31E-01	1.02E-01	4.33E-04	8.74E+00
IN	INW222.001-S	65.1	6.14E+01	--	--	--	2.72E-03	3.65E+00	2.83E+02	6.30E+01	1.45E+00	7.40E-03	--	--	3.09E-09	2.65E-06	7.99E-13	7.68E-07	3.24E-03	1.41E-04	2.46E-04	7.02E-03
IN	INW243.001-S	74.88	7.65E+01	--	--	--	3.48E-03	3.76E+00	2.36E+02	5.22E+01	1.27E+00	6.81E-03	--	--	3.04E-05	3.91E-06	6.73E-13	2.47E-03	4.32E-03	4.78E-04	2.06E-04	3.17E-04
IN	INW247.001R1-S	116.9	9.93E+01	--	--	--	4.42E-03	8.96E+00	4.14E+02	9.34E+01	2.32E+00	7.92E-03	--	--	9.27E-05	4.14E-06	1.20E-12	7.54E-03	5.93E-03	6.00E-05	3.68E-04	1.58E-10
IN	INW252.001-S	60.94	7.27E+01	--	--	--	3.14E-03	4.42E+00	3.01E+02	6.76E+01	2.35E+00	6.81E-03	--	--	3.45E-09	2.89E-06	8.57E-13	8.72E-07	3.65E-03	2.64E-04	2.64E-04	1.35E-10
IN	IN-W263.520	265.86	7.18E+02	--	--	--	3.77E-06	1.24E+02	1.80E+01	2.83E-02	2.56E-03	2.51E-05	--	--	5.61E-12	7.27E-05	4.34E-16	1.23E-09	9.47E-02	2.56E-06	1.22E-07	5.45E-13
IN	INW276.001-S	10.19	6.70E+00	--	--	--	3.01E-04	8.44E-01	3.16E+01	7.15E+00	1.80E-01	6.54E-04	--	--	3.56E-10	4.20E-07	9.78E-14	8.68E-08	5.85E-04	4.51E-06	2.90E-05	1.34E-11
IN	INW276.002-S	16.02	1.05E+01	--	--	--	4.72E-04	1.28E+00	4.76E+01	1.07E+01	2.82E-01	9.82E-04	--	--	9.18E-06	6.26E-07	1.44E-13	7.30E-04	8.76E-04	7.11E-06	4.32E-05	2.00E-11
IN	INW276.003-S	186.58	4.02E+02	--	--	--	1.77E-02	4.73E+01	1.72E+03	3.88E+02	1.14E+01	3.66E-02	--	--	6.46E-04	2.23E-05	5.07E-12	5.21E-02	3.17E-02	2.65E-04	1.54E-03	1.12E-06
IN	INW276.004-S	46.8	9.30E+01	--	--	--	4.14E-03	9.88E+00	3.66E+02	8.25E+01	2.38E+00	7.64E-03	--	--	5.62E-04	4.79E-06	1.08E-12	4.53E-02	6.73E-03	7.64E-05	3.27E-04	1.53E-10
IN	INW296.001-S	97.76	1.61E+02	--	--	--	7.29E-03	1.05E+01	5.11E+02	1.15E+02	2.90E+00	1.10E-02	--	--	1.25E-04	5.62E-06	1.48E-12	1.01E-02	7.62E-03	2.18E-04	4.52E-04	3.96E-04
IN	IN-W315.601	6.92	3.57E+02	--	--	--	1.87E-02	6.45E-02	5.68E+00	1.27E+00	3.36E-02	9.27E-05	--	--	2.79E-08	3.77E-08	1.95E-14	6.10E-06	4.91E-05	8.08E-07	5.48E-06	2.01E-12
IN	IN-W319.584	4.5	2.55E+00	--	--	--	1.34E-04	2.63E-01	2.25E+01	4.92E+00	9.09E-02	1.31E-03	--	--	1.99E-10	1.53E-07	7.55E-14	4.36E-08	2.00E-04	3.20E-06	2.12E-05	2.85E-11
IN	IN-W321.1023	10.89	2.23E+01	--	--	--	1.17E-03	2.29E+00	1.97E+02	4.31E+01	7.96E-01	6.42E-03	--	--	1.74E-09	1.34E-06	6.61E-13	3.82E-07	1.75E-03	2.81E-05	1.85E-04	1.40E-10
IN	IN-W357.1022	4.5	7.99E-02	--	--	--	4.20E-06	8.20E-03	7.04E-01	1.54E-01	2.85E-03	3.21E-05	--	--	6.25E-12	4.79E-09	2.36E-15	1.37E-09	6.24E-06	1.00E-07	6.62E-07	6.97E-13
IN	IN-W375.1096	189.63	1.97E+00	--	--	--	1.04E-04	2.02E-01	1.75E+01	3.81E+00	7.03E-02	7.01E-04	--	--	1.54E-10	1.18E-07	5.84E-14	3.37E-08	1.54E-04	2.48E-06	1.64E-05	1.52E-11
KN	KN-B234TRU	837.93	1.77E+02	--	--	--	8.16E-03	8.04E+00	6.76E+01	6.69E+02	1.84E+00	--	--	--	2.97E-02	3.79E-01	1.26E-01	2.43E+00	2.43E+00	4.61E-01	4.64E-01	5.95E-02
LA	LA-CIN01.001	516.07	1.89E+04	3.93E-01	--	3.21E-08	1.07E+00	3.71E+02	8.53E+03	2.28E+03	2.77E+01	3.11E+00	2.46E-06	2.88E-08	1.38E-03	5.72E-04	2.30E-03	9.67E-02	5.40E-01	1.08E-02	1.09E-02	3.37E-01
LA	LA-CIN02.001	427.19	5.01E+02	2.58E-03	--	5.81E-03	3.51E-02	2.43E+01	7.36E+02	4.16E+01	2.47E-01	9.09E-03	--	1.36E-04	2.87E-04	4.34E-05	7.30E-13	2.00E-02	3.96E-02	3.05E-03	1.91E-04	3.28E-05
LA	LA-LAMHD03DD	3.78	3.57E-03	--	--	--	1.47E-07	2.41E-02	3.52E-02	--	1.69E-04	--	--	--	1.51E-13	1.06E-08	--	3.93E-11	1.55E-05	4.52E-09	--	--
LA	LA-LAMIN02V.001	27.29	1.17E+01	--	--	--	4.92E-04	7.21E-01	6.81E+01	1.60E+01	4.72E-01	9.16E-04	--	--	5.14E-10	3.10E-07	1.97E-13	1.33E-07	4.58E-04	8.67E-06	6.16E-05	1.78E-11
LA	LA-LAMIN04S	203.85	1.00E+03	--	--	--	4.46E-02	2.96E+01	1.95E+03	4.98E+02	1.68E+01	2.27E-01	1.02E-07	--	5.05E-08	1.27E-05	6.13E-12	1.26E-05	1.88E-02	2.49E-04	1.92E-03	4.42E-09
LA	LA-LA-NCD01	261.55	5.52E+00	--	--	--	2.33E-04	3.37E-01	3.20E+01	7.53E+00	2.12E-01	4.32E-04	--	--	2.48E-10	1.48E-07	9.41E-14	6.36E-08	2.17E-04	4.12E-06	2.92E-05	8.47E-12
LA	LA-LANHD01	161.34	3.84E+00	--	--	--	2.05E-04	2.12E-01	2.29E+01	5.36E+00	7.00E-02	3.08E-04	--	--	3.14E-10	1.29E-07	8.46E-14	6.76E-08	1.65E-04	3.30E-06	2.34E-05	6.78E-12
LA	LA-LANHD02238	1343.98	1.63E+00	--	--	--	7.39E-05	6.80E+02	1.16E+00	5.47E-01	4.58E-02	4.33E-04	--	--	8.97E-11	3.67E-04	7.94E-15	2.15E-08	4.94E-01	1.61E-07	2.29E-06	9.14E-12
LA	LA-LANIN03NC	701.76	2.06E+03	4.08E-01	--	--	2.13E-01	1.60E+03	6.12E+03	1.53E+03	4.94E+01	1.25E-01	--	--	5.14E-07	6.90E-04	1.88E-11	9.40E-05	1.02E+00	7.81E-04	5.88E-03	2.44E-09
LA	LA-MHD01.001	2520.53	5.13E+03	3.02E-01	1.27E-02	3.05E-05	4.59E-01	1.12E+04	2.15E+04	5.61E+03	5.51E+01	3.12E+01	8.38E-06	2.67E-05	4.91E-03	1.31E-02	1.00E-10	3.42E-01	1.33E+01	1.09E-02	2.61E-02	3.95E-02
LA	LA-MHD01.001-S	1106.52	4.10E+03	9.01E-01	3.56E-02	7.06E-05	3.85E-01	6.73E+03	1.10E+04	2.90E+03	6.64E+01	2.04E+00	--	4.87E-02	7.10E-03	1.46E-02	4.52E-06	5.99E-01	7.08E+00	5.35E-03	1.10E-02	5.96E-03
LA	LA-MHD02.001-S	13.52	1.64E+00	3.96E-05	--	1.30E-07	1.56E-04	6.54E+02	1.38E+00	6.92E-01	1.51E-02	7.18E-04	--	1.19E-07	3.06E-08	6.48E-04	8.25E-15	2.62E-06	7.37E-01	8.06E-07	2.62E-06	1.37E-11
LA	LA-MHD03.001	596.95	1.54E+02	6.30E-02	4.69E-01	9.54E-04	9.25E-02	5.24E+02	5.29E+02	1.27E+02	1.42E+00	1.49E-01	1.29E-07	8.61E-03	1.86E-04	6.25E-04	1.10E-08	1.31E-02	6.32E-01	6.79E-03	6.77E-04	1.40E-03
LA	LA-MHD03.001-S	192.02	4.75E+01	2.32E-02	2.13E-03	2.39E-04	1.54E-02	2.63E+02	1.25E+02	3.38E+01	1.09E+00	1.47E-02	--	2.18E-04	1.68E-04	2.17E-04	4.02E-13	1.42E-02	2.58E-01	1.24E-04	1.28E-04	1.88E-04
LA	LA-MHD04.001	8.75	8.57E-01	7.84E-05	--	3.59E-09	1.94E-04	3.05E+02	1.06E+00	5.42E-01	5.38E-03	6.67E-04	--	3.21E-09	8.30E-10	2.91E-04	1.01E-14	1.18E-07	3.13E-01	1.66E-07	2.58E-06	1.60E-11
LA	LA-MIN03-NC.001	1105.1	2.74E+02	7.24E-03	--	7.90E-04	1.38E-02	2.06E+01	4.10E+02	1.72E+01	6.68E-01	2.08E-03	--	7.19E-04	3.91E-05	4.30E-05	2.08E-13	9.84E-04	4.20E-02	8.75E-04	6.57E-05	6.39E-04
LA	LA-MIN03-NC.001-S	367.04	1.50E+02	5.43E-04	--	2.35E-03	8.88E-03	2.89E+00	1.39E+02	2.01E+01	7.95E-01	1.65E-02	--	1.77E-03	1.69E-08	1.56E-05	2.40E-13	3.28E-06	1.44E-02	3.39E-04	7.63E-05	1.76E-04
LA	LA-OS-00-01.001	206.96	1.13E+04	4.12E-04	--	2.06E-01	5.43E-01	3.18E+03	6.63E+02	1.83E+02	8.02E-01	4.21E-02	3.93E-08	1.52E-05	6.88E-07	1.54E-03	2.39E-12	1.63E-04	2.17E+00	8.72E-05	7.25E-04	3.29E-09
LA	LA-OS-00-01.001-S	82.58	6.13E+02	--	--	8.28E-03	2.78E-02	2.48E+03	6.94E+02	2.06E+02	1.57E+00	5.69E-02	--	9.22E-02	3.54E-08	1.67E-03	2.46E-12	8.22E-06	2.11E+00	1.16E-04	7.81E-04	9.85E-07
LA	LA-OS-00-01-S	0.42	2.30E+00	--	--	1.40E-05	1.19E-04	6.40E-01	4.76E+00	4.80E+00	1.30E-02	9.65E-05	--	1.20E-05	1.70E-10	9.32E-02	6.09E-14	3.81E-08	4.17E-04	6.16E-07	1.88E-05	1.91E-12
LA	LA-OS-00-03	57.82	2.08E+01	--	--	--	1.00E-03	--	--	--	--	--	--	--	1.26E-09	--	--	3.00E-07	--	--	--	--
LA	LA-PX-00-01	0.62	1.09E-02	--	--	--	5.09E-07	1.76E-03	5.55E-02	1.29E-02	1.84E-04	--	--	--	6.38E-13	8.92E-10	1.79E-16	1.51E-10	1.23E-06	7.51E-09	5.28E-08	--
LA	LA-TA-00-01	195.7	3.02E+01	8.17E-03	1.85E-01	2.09E-08	7.19E-03	1.53E+02	1.05E+02	2.00E+01	1.69E-01	1.05E-01	1.07E-04	1.87E-08	1.84E-05	1.25E-04	1.11E-07	1.22E-03	1.42E-01	1.68E-05	9.67E-05	7.69E-05
LA	LA-TA-03-01	0.21	4.40E-02	--	--	--	8.61E-06	1.91E-03	1.85E-01	4.34E-02	1.11E-03	2.49E-06	--	--	2.58E-11	8.75E-10	5.59E-16	4.38E-09	1.26E-06	2.41E-08	1.71E-07	4.95E-14
LA	LA-TA-03-09	8.18	1.08E+00	4.61E-03	--	--	1.33E-04	2.28E-02	1													

Table B 3. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238	
LA	LA-TA-03-42	56.7	3.25E-03	--	--	--	1.84E-07	4.54E-02	5.99E-01	7.83E-03	7.27E-05	4.59E-07	--	--	3.14E-13	3.21E-08	1.38E-16	6.42E-11	3.87E-05	9.12E-08	3.61E-08	1.07E-14	
LA	LA-TA-21-05	0.42	1.05E-01	--	--	--	6.21E-06	9.26E-03	1.05E+00	2.47E-01	1.78E-03	1.69E-05	--	--	1.15E-11	7.32E-09	4.69E-15	2.26E-09	8.44E-06	2.00E-05	1.18E-06	4.07E-13	
LA	LA-TA-21-06	233.79	3.73E+01	4.68E-06	--	--	2.22E-03	5.19E+03	2.03E+02	6.08E+01	6.29E-01	1.13E-02	--	--	4.16E-09	4.16E-03	1.15E-12	8.12E-07	4.77E+00	9.63E-04	2.91E-04	2.72E-10	
LA	LA-TA-21-07	299.21	1.76E+01	8.40E-11	--	--	1.06E-03	3.91E+03	2.03E+02	3.87E+01	2.72E-01	3.40E-03	--	--	2.01E-09	3.20E-03	7.52E-13	3.89E-07	3.64E+00	6.27E-05	1.87E-04	2.01E-03	
LA	LA-TA-21-08	2.91	4.17E-01	--	--	--	2.46E-05	3.32E+01	2.66E+00	7.41E-01	7.06E-03	1.12E-04	--	--	4.56E-11	2.62E-05	1.41E-14	8.96E-09	3.03E-02	4.20E-07	3.55E-06	2.70E-12	
LA	LA-TA-21-09	2.5	3.40E-02	--	--	--	2.01E-06	5.45E+02	3.58E-01	8.27E-02	5.75E-04	4.85E-06	--	--	3.71E-12	4.31E-04	1.57E-15	7.30E-10	4.97E-01	5.66E-08	3.96E-07	1.17E-13	
LA	LA-TA-21-10	1.89	--	--	--	--	--	--	5.06E-01	--	--	--	--	--	--	--	--	--	--	--	7.90E-08	--	--
LA	LA-TA-21-11	13.23	--	--	--	--	--	1.91E-01	2.11E+01	--	--	--	--	--	--	1.53E-07	--	--	1.76E-04	3.35E-06	--	--	
LA	LA-TA-21-12	163.32	6.86E+01	--	--	--	4.03E-03	1.63E+04	2.75E+02	8.98E+01	1.13E+00	2.28E-02	--	--	6.17E-01	1.26E-02	1.68E-12	4.17E+01	1.47E+01	2.10E-03	4.27E-04	5.48E-10	
LA	LA-TA-21-13	1766.36	1.05E+04	--	--	--	6.31E-01	6.66E+01	1.23E+02	--	--	--	--	--	1.20E-06	6.37E-05	1.10E-04	2.32E-04	6.83E-02	2.40E-02	--	1.12E-02	
LA	LA-TA-21-14	55.15	--	--	--	--	--	--	9.27E+00	--	--	--	--	--	--	--	--	--	--	--	1.42E-06	--	--
LA	LA-TA-21-15	3.74	3.31E-01	--	--	--	1.94E-05	2.93E-02	4.71E+00	8.06E-01	5.88E-03	4.73E-05	--	--	3.55E-11	2.28E-08	1.51E-14	7.02E-09	2.64E-05	7.41E-07	3.83E-06	1.13E-12	
LA	LA-TA-21-16	79.87	6.67E+01	--	--	--	3.91E-03	7.64E+00	6.32E+02	1.49E+02	1.18E+00	1.24E-02	--	--	7.14E-09	5.93E-06	2.79E-12	1.41E-06	6.89E-03	3.40E-03	7.09E-04	2.98E-10	
LA	LA-TA-21-17	0.62	2.48E-03	--	--	--	1.47E-07	2.18E-04	2.61E-02	6.03E-03	4.20E-05	3.54E-07	--	--	2.71E-13	1.72E-10	1.14E-16	5.32E-11	1.99E-07	4.13E-09	2.89E-08	8.55E-15	
LA	LA-TA-21-40	664.64	4.97E-01	--	--	2.96E-08	4.11E-05	4.98E+02	3.33E+02	8.75E-01	3.41E-03	5.15E-05	1.75E-04	1.71E-07	7.44E-08	3.52E-04	1.54E-14	5.19E-06	4.25E-01	5.07E-05	4.03E-06	1.36E-06	
LA	LA-TA-21-41	15.12	--	--	--	--	--	--	1.82E+01	--	--	--	--	--	--	--	--	--	--	--	2.77E-06	--	--
LA	LA-TA-21-42	62.37	6.43E+00	--	--	--	4.97E-04	1.66E+00	2.10E+01	--	3.38E-02	--	--	--	1.26E-09	1.17E-06	--	2.16E-07	1.42E-03	4.52E-05	--	--	
LA	LA-TA-48-01	8.32	2.21E-01	2.06E-05	--	2.61E-05	1.29E-04	1.81E-01	6.08E-01	1.51E-01	3.96E-03	4.28E-06	--	--	9.93E-05	1.04E-07	1.92E-15	8.13E-03	1.37E-04	7.86E-08	5.90E-07	8.49E-14	
LA	LA-TA-50-01	1.89	1.31E-02	7.07E-06	--	6.45E-05	6.27E-07	8.10E-05	8.65E-04	--	--	--	--	--	7.83E-13	2.18E-07	--	1.87E-10	1.85E-04	3.41E-06	--	--	
LA	LA-TA-50-02	0.62	2.59E-02	--	--	1.56E-08	1.42E-06	1.28E-01	3.47E-02	--	4.17E-04	--	--	--	2.24E-12	5.86E-08	--	4.78E-10	8.44E-05	3.28E-07	--	--	
LA	LA-TA-50-05	0.21	1.49E-02	--	--	--	6.95E-07	1.17E-02	1.49E-01	3.94E-03	7.30E-05	--	--	--	8.39E-13	5.26E-09	5.00E-17	2.03E-10	7.64E-06	2.23E-08	1.54E-08	--	
LA	LA-TA-50-06	3.55	1.02E+01	--	--	--	5.02E-04	1.14E+00	3.64E+00	2.15E+00	1.20E-01	3.02E-03	--	--	6.92E-10	6.55E-07	3.25E-14	1.57E-07	8.60E-04	5.15E-07	9.17E-06	6.51E-11	
LA	LA-TA-50-10	3.95	1.77E+01	--	--	--	7.90E-04	6.70E+01	1.00E+02	2.38E+01	5.15E-01	1.49E-03	--	--	9.23E-10	3.33E-05	3.25E-13	2.26E-07	4.64E-02	3.80E-04	9.66E-05	1.35E-02	
LA	LA-TA-50-11	0.83	2.73E-01	--	--	--	1.54E-05	2.35E-02	2.51E+00	5.64E-01	5.49E-03	3.30E-05	--	--	2.59E-11	1.63E-08	9.77E-15	5.33E-09	1.98E-05	3.80E-07	2.58E-06	7.63E-13	
LA	LA-TA-50-12	9.22	1.03E-02	--	--	--	6.51E-07	8.59E-03	8.36E-02	--	5.30E-06	--	--	--	1.34E-12	3.16E-07	--	2.50E-10	4.49E-04	1.29E-08	--	1.00E+00	
LA	LA-TA-50-13	0.21	--	--	--	--	--	3.32E-03	--	--	--	--	--	--	--	2.01E-09	--	--	2.58E-06	--	--	--	--
LA	LA-TA-50-14	0.42	4.47E-02	--	--	--	2.51E-06	1.14E-03	1.56E-02	--	--	--	--	--	4.24E-12	7.90E-10	--	8.71E-10	9.60E-07	2.37E-09	--	--	
LA	LA-TA-50-15	91.12	1.27E+01	--	--	5.09E-02	7.03E-04	9.24E+01	3.70E+01	8.14E+00	8.99E-02	5.36E-04	--	3.82E-02	1.15E-09	6.24E-05	1.53E-13	2.40E-07	7.67E-02	1.64E-03	3.89E-05	1.47E-07	
LA	LA-TA-50-16	13.23	4.12E-01	8.09E-03	--	3.29E-04	3.59E-03	1.24E+00	6.31E-01	9.12E-02	6.59E-03	8.68E-06	--	--	1.45E-08	6.81E-07	1.34E-15	2.20E-06	9.10E-04	8.79E-08	3.84E-07	1.85E-13	
LA	LA-TA-50-18	3.54	1.33E+00	--	--	--	7.91E-05	3.54E-01	6.28E-01	9.19E-02	--	--	--	--	1.48E-10	2.85E-07	1.76E-15	2.89E-08	3.26E-04	1.27E-05	4.43E-07	--	
LA	LA-TA-50-19	108.97	1.98E+01	--	--	5.79E-08	1.19E-03	1.74E+01	7.57E+00	--	2.13E-05	--	--	5.17E-08	2.25E-09	1.42E-05	--	4.36E-07	1.62E-02	5.75E-05	--	--	
LA	LA-TA-50-20	0.62	2.34E-03	--	--	--	1.33E-07	--	2.99E-03	--	--	--	--	--	2.31E-13	--	--	4.69E-11	--	4.58E-10	--	--	
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	6.03E-04	--	--	--	--	--	--	--	--	--	--	--	9.12E-11	--	--
LA	LA-TA-50-41	20.79	1.55E-01	--	--	--	6.72E-06	1.53E-02	1.59E+00	3.68E-01	6.07E-03	2.16E-05	--	--	7.58E-12	8.58E-09	5.49E-15	1.88E-09	1.14E-05	2.23E-07	1.56E-06	4.62E-13	
LA	LA-TA-55-03	35.59	4.62E+01	--	--	--	2.84E-03	4.58E+01	2.18E+02	5.37E+01	1.28E+00	1.60E-01	2.73E-08	--	5.36E-09	2.33E-05	7.45E-13	1.05E-06	3.21E-02	3.92E-05	2.20E-04	1.07E-07	
LA	LA-TA-55-04	1.25	5.66E-01	--	--	--	2.53E-05	3.32E-02	3.32E+00	7.79E-01	1.64E-02	4.47E-05	--	--	2.95E-11	1.66E-08	1.07E-14	7.23E-09	2.30E-05	4.46E-07	3.16E-06	9.17E-13	
LA	LA-TA-55-05	56.5	1.97E+01	8.59E-05	--	1.55E-08	9.48E-04	4.89E+02	1.04E+02	2.51E+01	5.40E-01	6.69E-02	5.96E-08	1.41E-08	1.29E-09	4.91E-04	3.54E-13	2.93E-07	5.38E-01	1.67E-04	1.04E-04	2.30E-06	
LA	LA-TA-55-07	3.12	5.48E+00	--	--	--	2.46E-04	1.61E+01	2.37E+01	5.74E+00	1.51E-01	1.17E-01	1.63E-07	--	2.93E-10	8.16E-06	7.97E-14	7.11E-08	1.13E-02	3.21E-06	2.35E-05	2.41E-09	
LA	LA-TA-55-08	2.7	1.18E+00	--	--	--	5.29E-05	2.63E+00	6.86E+00	1.61E+00	3.26E-02	9.42E-05	--	--	6.28E-11	1.34E-06	2.24E-14	1.53E-08	1.84E-03	9.29E-07	6.60E-06	1.95E-12	
LA	LA-TA-55-09	0.62	5.60E-02	6.38E-06	--	--	4.77E-06	5.24E+01	1.32E-01	7.05E-02	1.90E-03	8.73E-04	8.86E-10	--	1.16E-11	5.64E-05	9.78E-16	2.07E-09	6.09E-02	1.79E-08	2.88E-07	1.80E-11	
LA	LA-TA-55-10	0.62	1.90E-01	1.09E-05	--	--	1.17E-05	2.93E+01	7.44E-02	6.40E-02	5.67E-03	6.83E-03	--	--	2.23E-11	3.09E-05	8.75E-16	4.37E-09	3.37E-02	9.99E-09	2.60E-07	1.40E-10	
LA	LA-TA-55-12	0.21	2.08E-02	--	--	--	9.19E-07	1.41E-03	2.82E-02	1.36E-02	6.29E-04	4.08E-06	--	--	1.06E-12	6.87E-10	1.84E-16	2.61E-10	9.64E-07	2.29E-04	5.50E-08	8.75E-07	
LA	LA-TA-55-14	358.8	2.79E+03	--	--	--	1.39E-01	7.02E+00	6.39E+02	1.51E+02	2.93E+00	6.19E-02	--	--	1.89E-07	3.64E-06	2.12E-12	4.33E-05	4.98E-03	5.54E-04	6.22E-04	2.94E-05	
LA	LA-TA-55-15	18.1	9.88E+01	--	--	--	4.44E-03	3.68E+02	5.32E+02	1.29E+02	2.75E+00	9.40E-03	--	--	5.28E-09	1.87E-04	1.79E-12	1.28E-06	2.58E-01	7.20E-05	5.26E-04	1.94E-10	
LA	LA-TA-55-17B	14.82	3.38E-01	--	--	--	1.48E-05	1.87E-01	1.97E+00	4.63E-01	1.08E-02	2.67E-05	--	--	1.68E-11	8.92E-08	6.15E-15	4.18E-09	1.26E-04	2.61E-07	1.85E-06	5.40E-13	
LA	LA-TA-55-18	0.42	--	--	--	--	--	4.39E+01	--	--	--	--	--	--	--	2.83E-05	--	--	3.54E-02	--	--	--	--
LA	LA-TA-55-19	1200.75	8.55E+02	3.58E-03	--	4.90E-07	5.36E-02	6.69E+03	4.11E+03	1.21E+03	1.71E+01	2.15E+00	1.78E-06	4.29E-08	1.03E-03	6.39E-03	5.62E-08	7.16E-02	6.90E+00	1.62E-02	7.66E-03	8.41E-03	
LA	LA-TA-55-19.01-S	81.42	7.04E+01	4.32E-03	--	4.87E-08	7.04E-03	7.45E+00	2.49E+02	6.07E+01	1.35E+00	1.67E-01	--	--	1.76E-08	1.72E-04	7.94E-13	3.15E-06	1.23E-01	2.59E-04	2.41E-04	3.86E-04	
LA	LA-TA-55-19.02-S	228.99	3.95E+02	7.66E-02	--	2.95E-05	3.89E-02	7.49E+01	8.14E+02	2.25E+02	7.05E+00	1.24E+00	--	2.50E-05	5.55E-05	2.66E-03	2.06E-05	4.55E-03	8.52E-01	1.06E-03	8.81E-04	1.53E-03	
LA	LA-TA-55-20	46.28	2.07E+01	1.88E-04	--	--	1.09E-03	1.63E+02	1.31E+02	3.18E+01	6.14E-01	2.64E-02	--	--	1.75E-09	9.1							

Table B 3. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-29	3.74	5.88E-01	1.24E-04	--	--	8.61E-05	7.68E+02	2.04E+00	9.77E-01	1.43E-02	9.64E-04	--	--	2.69E-10	8.44E-04	1.42E-14	4.39E-08	8.99E-01	2.82E-07	4.09E-06	2.04E-11
LA	LA-TA-55-30	1180.3	5.89E+02	3.53E-04	--	1.30E-07	3.38E-02	1.01E+04	2.25E+03	7.04E+02	1.14E+01	4.83E-01	1.42E-07	1.13E-07	2.88E-06	8.24E-03	1.32E-11	1.20E-05	9.39E+00	2.44E-03	3.35E-03	2.45E-02
LA	LA-TA-55-30-S	95.32	1.17E+02	6.43E-03	--	4.37E-04	1.30E-02	1.66E+01	2.46E+02	6.87E+01	1.83E+00	5.98E-02	--	3.99E-04	1.17E-04	1.90E-05	3.28E-05	9.49E-03	2.05E-02	2.48E-04	2.71E-04	5.58E-04
LA	LA-TA-55-31	21.65	1.11E+01	2.76E-06	--	--	5.91E-04	1.11E+00	1.04E+02	2.34E+01	3.33E-01	1.60E-02	1.37E-08	--	9.10E-10	4.90E-06	4.66E-13	1.96E-07	4.08E-03	1.15E-04	1.16E-04	2.39E-07
LA	LA-TA-55-32	10.02	6.13E+00	7.31E-05	--	1.64E-08	3.90E-04	9.85E+02	2.08E+01	5.92E+00	1.01E-01	1.52E-02	1.31E-08	1.48E-08	7.91E-10	8.09E-04	1.77E-13	1.49E-07	9.23E-01	7.90E-05	3.71E-05	7.06E-07
LA	LA-TA-55-33	2.5	1.86E-01	--	--	--	1.04E-05	1.79E-02	4.88E-01	2.36E-01	4.36E-03	7.24E-05	--	--	1.76E-11	1.25E-08	4.09E-15	3.62E-09	1.51E-05	7.38E-08	1.08E-06	1.67E-12
LA	LA-TA-55-34	70.51	3.01E+02	--	--	--	1.67E-02	2.20E+01	1.82E+03	4.54E+02	5.36E+00	1.42E-01	9.66E-08	--	1.36E-04	3.33E-05	7.81E-12	9.64E-03	3.19E-02	8.31E-04	2.07E-03	2.80E-02
LA	LA-TA-55-36	0.21	1.17E+01	--	--	--	6.21E-04	3.94E-02	4.20E+00	9.72E-01	1.39E-02	5.69E-05	--	--	9.37E-10	2.35E-08	1.51E-14	2.04E-07	3.04E-05	6.01E-07	4.21E-06	1.25E-12
LA	LA-TA-55-38	3.54	8.77E-01	--	--	--	4.97E-05	8.00E+02	1.35E+00	5.22E-01	1.96E-02	3.80E-04	--	--	8.49E-11	5.66E-04	9.17E-15	1.73E-08	6.82E-01	2.05E-07	2.40E-06	8.84E-12
LA	LA-TA-55-39	69.26	3.40E+02	--	--	--	1.88E-02	3.71E+01	3.38E+03	7.86E+02	8.76E+00	2.72E-01	2.07E-07	--	3.09E-08	2.50E-05	1.33E-11	6.44E-06	3.07E-02	5.08E-04	3.55E-03	4.33E-08
LA	LA-TA-55-43	65.51	3.41E-01	1.93E-06	--	--	2.74E-05	1.11E+02	5.65E-01	1.88E-01	5.83E-03	1.74E-04	--	--	7.10E-11	8.66E-05	1.50E-06	1.21E-08	1.01E-01	1.61E-07	8.56E-07	4.00E-12
LA	LA-TA-55-43.01-S	190.89	5.74E-01	1.42E-05	--	--	6.37E-05	1.96E+02	4.65E-01	7.54E-01	1.21E-02	5.33E-04	--	--	1.70E-10	1.36E-04	4.58E-06	2.97E-08	1.68E-01	6.20E-08	3.04E-06	1.09E-11
LA	LA-TA-55-46	0.21	7.98E-05	--	--	--	4.29E-09	2.68E-02	5.11E-05	2.58E-05	1.62E-06	2.11E-08	--	--	6.66E-15	1.66E-08	4.13E-19	1.43E-12	2.11E-05	7.42E-12	1.13E-10	4.67E-16
LA	LA-TA-55-47	1.89	2.73E-03	--	--	--	1.16E-07	2.72E-04	2.78E-02	6.45E-03	1.17E-04	3.78E-07	--	--	1.27E-13	1.47E-10	9.35E-17	3.20E-11	1.98E-07	3.85E-09	2.70E-08	7.97E-15
LA	LA-TA-55-50	3.14	2.80E-02	--	--	--	1.30E-06	8.92E-01	1.55E-01	3.59E-02	8.24E-04	2.66E-06	--	--	1.66E-12	4.44E-07	4.91E-16	3.88E-10	6.18E-04	2.08E-08	1.46E-07	5.45E-14
LA	LA-TA-55-53	11.86	5.75E+01	--	--	--	2.50E-03	3.56E+00	3.04E+02	7.43E+01	1.92E+00	5.48E-03	--	--	2.79E-09	1.67E-06	9.72E-13	6.98E-07	2.38E-03	3.99E-05	2.95E-04	1.10E-10
LA	LA-TA-55-54	0.21	1.01E-03	--	--	--	5.65E-08	5.37E-05	6.08E-03	1.43E-03	1.39E-05	8.19E-08	--	--	9.40E-14	3.66E-11	2.44E-17	1.95E-11	4.48E-08	9.13E-10	6.48E-09	1.88E-15
LA	LA-TA-55-60	75.6	7.02E+00	--	--	--	4.09E-03	3.63E+00	1.27E+01	4.34E+00	1.39E-01	4.03E-01	3.82E-07	--	1.85E-08	2.57E-06	7.62E-14	2.62E-06	3.10E-03	1.93E-06	2.00E-05	3.63E-07
LA	LA-TA-55-61	119.07	6.76E+00	--	--	--	3.77E-04	1.94E+01	2.54E+01	8.61E+00	1.55E-01	1.78E-02	1.50E-08	--	6.27E-10	1.32E-05	1.47E-13	1.30E-07	1.62E-02	3.82E-06	3.91E-05	4.08E-10
LA	LA-TA-55-62	15.12	2.64E-01	--	--	--	1.49E-05	2.76E-02	6.34E-01	3.02E-01	6.20E-03	1.01E-04	--	--	2.50E-11	1.92E-08	5.23E-15	5.15E-09	2.33E-05	9.59E-08	1.38E-06	2.34E-12
LA	LA-TA-55-63	3.78	2.25E-02	--	--	--	1.21E-06	2.15E-03	2.32E-01	5.37E-02	6.97E-04	3.15E-06	--	--	1.88E-12	1.33E-09	8.58E-16	4.02E-10	1.69E-06	3.37E-08	2.36E-07	6.98E-14
LB	LB-T001	1.61	5.07E-02	3.17E-03	--	--	2.75E-04	6.80E-05	3.05E-03	7.45E-04	7.72E-05	6.75E-05	7.65E-12	--	5.73E-06	3.12E-11	8.03E-09	4.66E-04	4.49E-08	1.77E-07	2.93E-09	2.57E-07
LB	LB-T002	1.4	3.58E-02	3.45E-04	--	2.15E-10	4.90E-03	3.12E-03	7.66E-02	1.11E-04	5.20E-05	6.01E-05	4.06E-05	--	1.98E-08	1.72E-09	1.62E-18	3.01E-06	2.29E-06	6.82E-07	4.65E-10	2.66E-08
LB	LB-T003	1.4	1.45E-01	--	6.84E-05	--	7.34E-06	--	--	4.20E-05	--	--	--	--	1.02E-11	--	4.35E-19	2.30E-09	--	--	1.45E-10	--
LL	BLCHDN.001-S	1.66	8.94E-02	2.21E-03	1.57E-03	--	8.98E-04	3.22E-02	1.30E-05	5.96E-04	4.18E-04	--	--	--	3.03E-09	1.39E-08	4.98E-18	5.04E-07	2.05E-05	9.64E-13	1.84E-09	--
LL	LL-M001	1532.77	6.02E+03	1.06E+00	2.73E+01	1.33E-01	3.59E-01	3.15E+03	5.73E+03	1.73E+03	4.90E+01	5.49E-01	5.49E-08	1.22E-01	4.78E-01	2.48E-03	6.16E-05	3.32E+01	2.07E+00	8.28E-03	6.51E-03	1.78E-02
LL	LL-M001-S5400-S	143.14	2.97E+02	1.34E-02	2.45E-01	1.12E-06	8.61E-02	1.32E+02	5.96E+02	1.66E+02	4.78E+00	3.17E-02	--	1.01E-06	2.62E-07	7.83E-05	2.04E-12	4.47E-05	1.02E-01	5.72E-04	6.39E-04	3.54E-03
LL	LL-T004	1.25	1.76E+01	--	1.58E-05	--	8.69E-04	6.23E-01	4.25E+00	2.06E+00	6.54E-02	1.30E-03	--	--	1.14E-09	2.51E-07	2.41E-14	2.66E-07	3.81E-04	5.29E-07	7.73E-06	2.47E-11
LL	LL-T005	0.42	6.67E-03	--	--	4.25E-04	2.93E-07	1.04E-04	5.97E-03	1.36E-03	9.38E-05	1.63E-07	--	3.90E-04	3.20E-13	4.20E-11	1.60E-17	8.14E-11	6.38E-08	7.43E-10	5.13E-09	3.10E-15
LL	LL-W018a	1517.72	6.66E+01	--	3.96E-04	--	2.92E-03	2.13E+00	4.87E+01	1.44E+01	9.98E-01	3.11E-03	--	--	3.19E-09	8.60E-07	1.68E-13	8.11E-07	1.31E-03	6.06E-06	5.40E-05	5.91E-11
LL	LL-W018b	27.35	2.19E+02	7.94E-05	5.65E-05	6.72E-03	9.98E-03	3.75E+01	4.55E+00	1.96E-05	3.27E-03	--	7.32E-20	1.92E-02	1.14E-08	1.51E-05	1.57E-19	2.84E-06	2.30E-02	3.88E-06	5.94E-11	--
LL	LL-W019	15.81	3.58E+01	2.50E-06	1.05E-04	1.85E-06	3.22E-03	9.64E+00	8.17E+01	2.26E+01	7.45E-01	4.05E-03	--	1.69E-06	1.23E-02	4.11E-06	2.65E-13	1.05E+00	6.10E-03	7.39E-04	8.51E-05	2.07E-03
MC	MC-W001	0.21	--	--	--	--	3.95E-05	--	5.03E-03	--	--	--	--	--	1.91E-10	--	--	2.65E-08	--	7.66E-10	--	--
NT	NT-JAS-01	1971.73	3.51E+02	--	--	--	1.53E-02	4.96E+01	1.95E+02	1.56E+02	9.26E+00	--	--	--	1.71E-08	2.18E-05	1.95E-12	4.29E-06	3.19E-02	2.50E-05	6.05E-04	--
NT	NTLBL-S5400-S	1.66	9.53E-01	5.73E-03	7.22E-03	2.82E-06	7.19E-04	5.41E-02	6.70E-01	1.53E-01	7.87E-03	2.12E-05	--	2.58E-06	2.30E-09	2.28E-08	1.84E-15	3.89E-07	3.39E-05	8.48E-08	5.82E-07	4.09E-13
NT	NTLRC-S5400-S	3.12	4.86E+00	3.47E-05	--	6.10E-08	4.58E-04	2.12E-01	7.17E+00	2.61E+00	7.74E-02	2.93E-04	--	5.58E-08	1.05E-09	5.19E-06	3.15E-14	1.96E-07	4.57E-03	1.49E-04	9.96E-06	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	4.35E+00	9.07E-07	--	--	2.28E-04	3.51E-01	2.42E+01	5.44E+00	9.96E-02	4.31E-04	--	--	7.08E-05	1.19E-06	6.59E-14	5.94E-03	1.12E-03	2.09E-05	2.08E-05	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	4.57E+00	--	--	--	2.24E-04	4.42E-01	3.87E+01	7.11E+00	1.50E-01	5.25E-04	--	--	3.07E-10	2.52E-07	8.61E-14	6.98E-08	3.35E-04	4.89E-06	2.72E-05	2.84E-05
NT	NT-RF-METAL-S	6.03	1.00E+00	2.69E-06	--	--	5.33E-05	7.88E-02	6.71E+00	1.65E+00	3.53E-02	1.35E-04	--	--	8.13E-11	5.14E-05	1.99E-14	1.76E-08	4.46E-02	2.82E-05	6.30E-06	2.23E-02
NT	NTS54332R0-S	307.24	1.29E+02	1.28E-02	2.37E-02	1.29E-05	1.99E-02	9.26E+00	3.68E+02	9.53E+01	2.46E+00	1.04E-02	--	1.21E-05	2.61E-03	3.62E-05	1.17E-12	2.17E-01	3.36E-02	1.00E+00	3.67E-04	1.01E-02
NT	NTS54COMR0-S	50.35	3.13E+01	2.07E-02	1.99E-01	4.50E-06	6.26E-03	7.90E+00	5.10E+01	1.21E+01	2.79E-01	1.84E-03	--	4.11E-06	3.14E-03	5.75E-06	1.49E-13	2.61E-01	7.05E-03	1.96E-05	4.66E-05	8.79E-04
NT	NTS54MIX1R0-S	0.42	3.43E-03	9.45E-05	--	4.00E-06	9.42E-07	1.49E-04	2.88E-02	6.87E-03	5.26E-05	6.82E-07	--	--	2.93E-12	6.68E-11	8.71E-17	4.93E-10	9.70E-08	3.73E-09	2.69E-08	1.35E-14
NT	NT-W001	111.46	4.49E+01	2.19E-01	2.72E-03	2.44E-04	3.29E-03	8.41E+00	5.03E+02	3.34E+00	5.28E-02	1.58E-02	1.82E-07	7.53E-07	4.48E-03	6.41E-06	5.34E-14	3.27E-01	7.53E-03	9.21E-05	1.47E-05	2.80E-05
NT	NT-W002	18.79	7.58E+00	3.70E-02	4.59E-04	4.11E-05	5.54E-04	1.42E+00	8.48E+01	5.63E-01	8.91E-03	2.67E-03	3.06E-08	1.27E-07	7.55E-04	1.08E-06	9.00E-15	5.51E-02	1.27E-03	1.55E-05	2.47E-06	4.72E-06
NT	NT-W003	1.89	1.40E+00	--	--	2.68E-06	8.50E-05	6.26E-02	3.37E+00	8.19E-01	2.03E-02	1.15E-04	--	--	1.59E-10	3.88E-08	1.31E-14	3.12E-08	4.94E-05	1.53E-04	3.60E-06	4.62E-05
NT	NT-W004																					

Table B 3. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
OR	OR-REDC-CH-HET	489.23	1.19E+01	6.65E-01	7.32E-01	1.62E-01	1.44E-02	5.21E+00	1.28E+01	6.97E+00	1.61E-01	2.03E-02	6.25E-08	1.03E+00	8.26E-04	5.00E-06	1.24E-05	1.50E-03	5.43E-03	9.02E-06	2.33E-01	1.82E-06
OR	OR-RF-CH-HET	130.83	8.92E+00	1.01E-02	1.28E-03	8.09E-03	5.35E-04	1.51E+00	4.21E+01	9.69E+00	7.11E-02	3.60E-02	2.53E-16	5.59E-03	6.01E-01	2.71E-05	3.77E-04	4.14E+01	4.44E-03	1.09E-03	4.29E-05	2.67E-03
OR	OR-RF-CH-HOM	2.5	3.89E-02	--	--	1.51E-04	2.11E-06	6.30E-03	4.18E-02	4.08E-02	--	--	--	1.41E-03	3.32E-12	7.07E-08	6.61E-16	7.06E-10	5.52E-05	2.31E-06	1.80E-07	8.19E-05
OR	OR-TBD-CH-HET	165.85	1.95E+02	2.80E+00	2.64E+00	4.61E-02	8.86E-02	1.66E+02	8.53E+01	2.05E+02	2.18E-01	2.14E-02	5.33E-09	9.01E-04	3.78E-02	1.57E-04	1.78E-04	2.73E+00	1.50E-01	1.63E-03	9.20E-04	3.08E-02
OR	OR-W203	285.72	2.76E+00	1.82E-01	2.55E+00	5.22E-01	1.20E-04	7.20E-01	3.60E-02	2.51E+00	5.38E-02	2.47E-02	5.78E-09	3.55E+00	1.29E-10	2.90E-07	2.61E-14	3.30E-08	4.41E-04	4.44E-09	8.78E-06	4.64E-10
OR	OR-W213-CH-HET	322.63	9.74E+00	3.37E-03	2.59E-04	6.25E-01	1.19E-02	7.61E-01	5.42E+00	6.69E-03	5.72E-02	3.00E-03	--	4.28E-03	8.11E+00	1.41E-02	1.29E-01	1.05E+01	5.95E-01	8.87E-03	9.43E-03	1.13E-01
OR	OR-WSTR-CH-HET	0.42	--	--	--	--	--	1.66E-02	--	--	--	--	--	--	--	1.05E-08	--	--	1.32E-05	--	--	--
OR	OR-Y12-CH-HET	1.04	--	--	--	--	5.36E-03	6.96E-05	5.22E-02	1.08E-05	--	--	--	--	2.39E-08	6.18E-07	1.75E-19	3.45E-06	4.64E-04	1.20E-04	4.79E-11	5.29E-04
PA	PA-A015	2.08	3.30E-02	--	--	--	1.31E-01	1.07E-03	3.94E-01	--	--	--	--	--	5.51E-07	1.02E-02	--	8.20E-05	1.67E-02	8.36E-04	--	1.82E-02
PA	PA-W014	2.91	1.32E-01	--	--	5.54E-04	2.07E+00	--	1.59E-01	--	--	--	--	--	8.60E-06	9.18E-05	--	1.29E-03	7.15E-02	3.90E-03	--	1.09E-01
RF	RF001.01-S	979.16	1.53E+03	1.17E-03	--	--	1.22E-01	5.35E+01	3.35E+03	7.72E+02	2.54E+01	1.18E-01	--	--	9.34E-04	2.63E-04	1.01E-11	7.54E-02	2.35E-01	1.00E-02	3.06E-03	2.21E-03
RF	RF002.01-S	1460.53	1.54E+03	1.05E-03	--	1.70E-05	7.75E-02	7.96E+01	4.39E+03	1.02E+03	4.14E+01	1.23E-01	--	--	2.69E-04	1.89E-04	1.32E-11	2.19E-02	1.81E-01	7.57E-03	4.04E-03	2.83E-01
RF	RF003.01-S	355.39	2.82E+03	--	--	--	1.29E-01	1.92E+02	1.26E+04	3.03E+03	8.02E+01	2.93E-01	--	--	1.25E-04	1.08E-04	3.96E-11	1.01E-02	1.43E-01	2.16E-03	1.20E-02	1.30E-03
RF	RF004.01-S	282.97	2.54E+02	8.73E-07	--	--	1.23E-02	1.20E+01	6.84E+02	1.57E+02	6.94E+00	1.91E-02	--	--	1.67E-08	2.95E-05	1.99E-12	3.81E-06	2.83E-02	7.49E-04	6.14E-04	7.54E-04
RF	RF005.01-S	119.39	4.54E+03	--	--	--	2.22E-01	7.56E+01	4.77E+03	1.21E+03	1.79E+01	1.01E-01	--	--	2.92E-07	3.69E-05	1.64E-11	6.77E-05	5.17E-02	7.17E-04	4.89E-03	2.06E-09
RF	RF005.02-S	78.42	5.39E+03	--	--	--	2.62E-01	4.47E+01	2.89E+03	7.53E+02	9.86E+00	6.46E-02	--	--	3.40E-07	2.21E-05	9.99E-12	7.96E-05	3.08E-02	4.02E-04	3.01E-03	1.73E-07
RF	RF006.01-S	235.66	2.25E+03	--	--	--	1.06E-01	1.68E+02	9.18E+03	2.20E+03	6.71E+01	2.97E-01	--	--	1.40E-07	9.89E-05	3.23E-11	3.21E-05	1.29E-01	1.47E-03	9.26E-03	1.39E-06
RF	RF008.01-S	97.15	1.07E+03	--	--	--	6.18E-02	7.24E+01	3.38E+03	9.18E+02	2.37E+01	1.36E-01	--	--	1.06E-07	3.49E-05	1.22E-11	2.17E-05	4.92E-02	4.75E-04	3.68E-03	7.80E-08
RF	RF009.01-S	1326.87	5.73E+04	--	--	--	3.07E+00	7.19E+02	5.48E+04	1.35E+04	2.12E+02	1.37E+00	--	--	4.67E-06	3.48E-04	1.76E-10	1.01E-03	4.89E-01	7.51E-03	5.35E-02	2.74E-06
RF	RF010.01-S	629.55	1.67E+03	4.05E-05	--	--	7.98E-02	9.23E+01	6.24E+03	1.44E+03	4.14E+01	1.59E-01	--	--	1.04E-07	1.89E-04	1.86E-11	2.42E-05	1.85E-01	4.80E-03	5.68E-03	3.58E-03
RF	RF011.01-S	79.52	2.89E+02	--	--	--	1.28E-02	2.31E+01	1.48E+03	3.53E+02	8.73E+00	3.06E-02	--	--	1.49E-08	1.12E-05	4.48E-12	3.66E-06	1.57E-02	2.15E-04	1.38E-03	4.21E-06
RF	RF015.01-S	1.66	5.49E+00	--	--	--	3.12E-04	3.49E-01	1.87E+01	4.32E+00	2.15E-01	5.82E-04	--	--	5.27E-10	1.57E-07	5.48E-14	1.09E-07	2.27E-04	2.42E-06	1.69E-05	1.15E-11
RF	RF029.01-S	4346.69	2.76E+03	1.43E-03	--	1.42E-06	1.41E-01	1.36E+02	6.83E+03	1.63E+03	8.56E+01	2.21E-01	1.46E-15	8.88E-09	2.07E-07	1.55E-04	2.03E-11	4.56E-05	1.69E-01	3.51E-03	6.32E-03	1.26E-03
RF	RF031.01-S	20.59	1.39E+01	--	--	--	6.29E-04	8.57E-01	4.80E+01	1.10E+01	5.33E-01	1.32E-03	--	--	7.67E-10	1.40E-06	1.35E-13	1.84E-07	1.44E-03	3.53E-05	4.24E-05	4.10E-05
RF	RF032.01-S	209.25	2.39E+03	--	--	--	1.30E-01	1.15E+02	8.59E+03	2.00E+03	4.21E+01	1.51E-01	--	--	2.02E-07	5.48E-05	2.57E-11	4.34E-05	7.76E-02	1.18E-03	7.87E-03	5.07E-07
RF	RF033.01-S	25.58	1.73E+02	--	--	--	7.98E-03	1.28E+01	7.96E+02	1.84E+02	6.49E+00	1.84E-02	--	--	1.01E-08	6.10E-06	2.33E-12	2.38E-06	8.63E-03	1.14E-04	7.19E-04	6.00E-05
RF	RF036.01-S	44.1	7.68E+01	8.05E-05	--	--	3.51E-03	4.97E+00	2.64E+02	6.10E+01	3.33E+00	8.18E-03	--	--	4.39E-09	4.99E-06	7.49E-13	1.04E-06	5.62E-03	1.44E-04	2.35E-04	2.98E-03
RF	RF101.01-S	174.96	4.74E+02	1.04E-03	--	--	2.23E-02	2.97E+01	1.68E+03	3.90E+02	1.58E+01	4.61E-02	--	--	2.88E-08	6.23E-05	4.94E-12	6.70E-06	6.10E-02	1.57E-03	1.52E-03	8.53E-04
RF	RF101.29-S	30.39	4.20E+01	--	--	--	1.96E-03	2.84E+00	1.56E+02	3.59E+01	1.36E+00	4.24E-03	--	--	2.52E-09	7.84E-06	4.62E-13	5.89E-07	7.38E-03	2.00E-04	1.41E-04	2.04E-04
RF	RF101.30-S	117.41	3.80E+02	3.10E-04	--	--	1.92E-02	1.43E+01	8.76E+02	2.04E+02	6.87E+00	2.54E-02	--	--	2.73E-08	2.60E-05	2.63E-12	6.10E-06	2.58E-02	6.44E-04	8.04E-04	1.85E-04
RF	RF101.31-S	62.53	7.80E+01	1.35E-05	--	--	3.71E-03	3.88E+00	2.33E+02	5.48E+01	1.75E+00	8.25E-03	--	--	4.84E-09	8.54E-06	7.16E-13	1.13E-06	8.22E-03	2.13E-04	2.18E-04	8.29E-05
RF	RF101.35-S	79.56	2.66E+02	--	--	--	1.35E-02	1.09E+01	6.36E+02	1.47E+02	5.76E+00	2.08E-02	--	--	1.96E-08	1.05E-04	1.89E-12	4.34E-06	9.17E-02	2.80E-03	5.80E-04	2.19E-04
RF	RF102.01-S	223.63	2.02E+02	1.97E-04	--	5.35E-04	1.00E-02	1.09E+01	5.71E+02	1.35E+02	6.55E+00	1.77E-02	--	--	1.40E-08	9.73E-06	1.71E-12	3.15E-06	1.12E-02	2.10E-04	5.27E-04	3.99E-04
RF	RF102.31-S	124.09	1.50E+02	1.91E-05	--	--	7.61E-03	5.05E+00	2.74E+02	6.41E+01	2.90E+00	8.46E-03	--	--	1.08E-08	1.16E-05	8.13E-13	2.42E-06	1.12E-02	3.11E-04	2.51E-04	2.14E-03
RF	RF104.01-S	54.38	1.35E+02	2.25E-04	--	--	6.84E-03	5.94E+00	4.08E+02	9.51E+01	2.98E+00	9.38E-03	--	--	9.71E-09	3.59E-06	1.19E-12	2.17E-06	4.66E-03	8.08E-05	3.69E-04	1.40E-04
RF	RF107.01-S	63.44	2.17E+03	--	--	--	1.15E-01	3.49E+00	1.90E+02	4.36E+01	2.36E+00	5.79E-03	--	--	1.67E-07	2.14E-05	5.37E-13	3.70E-05	1.94E-02	1.13E-03	1.68E-04	5.98E-02
RF	RF107.03-S	60.94	1.52E+01	--	--	--	7.83E-04	4.28E-01	2.31E+01	5.31E+00	2.88E-01	7.07E-04	--	--	1.13E-09	9.00E-05	6.53E-14	2.51E-07	7.78E-02	9.13E-03	2.05E-05	6.86E-01
RF	RF107.04-S	110.31	6.03E+01	--	--	--	3.13E-03	1.53E+00	8.29E+01	1.91E+01	1.03E+00	2.53E-03	--	--	4.54E-09	3.10E-06	2.34E-13	1.01E-06	3.08E-03	2.21E-04	7.34E-05	1.54E-02
RF	RF107.05-S	4.37	6.90E+00	--	--	--	3.14E-04	3.76E-01	2.03E+01	4.68E+00	2.54E-01	6.22E-04	--	--	3.85E-10	1.16E-05	5.76E-14	9.20E-08	1.01E-02	3.20E-04	1.80E-05	2.81E-06
RF	RF107.06-S	14.35	7.97E-01	--	--	--	3.32E-05	5.59E-02	3.04E+00	6.99E-01	3.78E-02	9.26E-05	--	--	3.50E-11	2.70E-06	8.60E-15	9.00E-09	2.35E-03	2.64E-04	2.69E-06	2.01E-02
RF	RF107.07-S	58.88	3.42E+02	1.68E-03	--	--	1.70E-02	1.36E+01	7.21E+02	1.67E+02	9.11E+00	2.23E-02	--	--	2.37E-08	1.64E-04	2.05E-12	5.35E-06	1.45E-01	4.51E-03	6.42E-04	2.20E-03
RF	RF110.01-S	9.15	6.75E+01	1.70E-03	--	--	3.18E-03	2.29E+00	1.25E+02	2.89E+01	1.17E+00	6.55E-03	--	--	4.02E-09	2.06E-06	3.66E-13	9.50E-07	2.36E-03	4.60E-05	1.13E-04	1.94E-04
RF	RF110.05-S	31.53	9.76E+01	--	--	--	4.37E-03	7.53E+00	4.60E+02	1.05E+02	2.67E+00	1.03E-02	--	--	5.13E-09	9.31E-06	1.35E-12	1.25E-06	9.90E-03	2.19E-04	4.15E-04	1.67E-05
RF	RF113.01-S	0.42	9.87E-02	--	--	--	5.06E-06	6.71E-03	3.69E-01	8.49E-02	4.18E-03	1.13E-05	--	--	7.57E-12	3.01E-09	1.08E-15	1.65E-09	4.37E-06	4.78E-08	3.32E-07	2.23E-13
RF	RF115.01-S	114.91	5.30E+02	--	--	--	2.46E-02	3.84E+01	2.52E+03	5.81E+02	1.16E+01	4.93E-02	--	--	3.05E-08	1.82E-05	7.37E-12	7.27E-06	2.58E-02	3.58E-04	2.27E-03	6.25E-04
RF	RF116.01-S	3.95	2.11E+01	--	--	--	1.07E-03	9.41E-01	9.76E+01	2.24E+01	2.90E-01	1.52E-03	--	--	1.51E-09	4.22E-07	2.84E-13	3.39E-07	6.13E-04	1.26E-05	8.77E-05	3.00E-11
RF	RF117.01-S	1.87	7.39E+00	--	--</																	

Table B 3. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF123.03-S	12.06	2.74E+02	--	--	--	1.48E-02	3.80E+00	2.05E+02	4.73E+01	2.45E+00	6.31E-03	--	--	2.24E-08	1.86E-06	5.90E-13	4.89E-06	2.61E-03	4.53E-05	1.83E-04	1.47E-03
RF	RF123.04-S	44.51	2.30E+02	--	--	--	1.05E-02	1.50E+01	8.04E+02	1.86E+02	9.67E+00	2.49E-02	--	--	1.30E-08	7.52E-06	2.32E-12	3.07E-06	1.04E-02	1.31E-04	7.20E-04	2.61E-04
RF	RF124.01-S	94.24	6.85E+01	4.45E-06	--	--	4.34E-03	4.16E+00	2.46E+02	5.61E+01	2.37E+00	6.58E-03	--	--	8.15E-09	1.02E-05	7.23E-13	1.61E-06	9.73E-03	1.56E-04	2.21E-04	1.42E-04
RF	RF124.02-S	13.31	1.82E+01	--	--	--	9.03E-04	1.18E+00	6.64E+01	1.51E+01	6.57E-01	1.84E-03	--	--	1.29E-09	9.04E-07	1.94E-13	2.86E-07	1.08E-03	1.86E-05	5.94E-05	8.78E-04
RF	RF125.01-S	14.39	2.11E+02	--	--	--	1.39E-02	5.72E+00	3.85E+02	8.83E+01	2.48E+00	7.66E-03	--	--	2.60E-08	1.27E-05	1.10E-12	5.19E-06	1.24E-02	3.36E-04	3.43E-04	6.28E-04
RF	RF126.01-S	1.04	6.02E+00	--	--	--	2.59E-04	5.57E-01	3.86E+01	8.57E+00	1.97E-01	5.44E-04	--	--	2.81E-10	2.92E-07	1.07E-13	7.14E-08	3.98E-04	6.25E-06	3.33E-05	1.14E-08
RF	RF126.04-S	2.08	1.32E+01	--	--	--	5.79E-04	9.20E-01	7.05E+01	1.61E+01	3.34E-01	1.27E-03	--	--	6.46E-10	5.56E-07	2.01E-13	1.62E-07	7.22E-04	1.24E-05	6.25E-05	3.15E-08
RF	RF128.01-S	198.22	1.29E+03	--	--	--	5.84E-02	1.38E+02	8.47E+03	2.03E+03	4.14E+01	1.51E-01	--	--	7.03E-08	6.36E-05	2.62E-11	1.69E-05	9.15E-02	1.11E-03	8.02E-03	3.20E-08
RF	RF129.01-S	467.76	3.37E+02	1.01E-04	--	5.67E-06	1.64E-02	1.67E+01	8.65E+02	2.05E+02	1.04E+01	2.71E-02	6.05E-19	--	2.24E-08	5.27E-05	2.56E-12	5.10E-06	4.96E-02	1.48E-03	7.96E-04	6.21E-04
RF	RF129.05-S	448.33	3.93E+02	3.38E-04	--	--	2.70E-02	1.51E+01	7.48E+02	1.79E+02	9.59E+00	2.47E-02	--	--	5.27E-08	1.33E-05	2.23E-12	1.03E-05	1.54E-02	2.82E-04	6.94E-04	6.31E-05
RF	RF130.01-S	38.59	3.01E+02	--	1.08E-09	3.66E-05	2.12E-02	9.20E+00	4.94E+02	1.14E+02	5.93E+00	1.53E-02	8.56E-15	1.63E-03	4.21E-08	5.49E-05	4.56E-09	8.22E-06	4.61E-02	1.65E-03	4.42E-04	2.29E-03
RF	RF134.02-S	11.34	3.06E-01	--	--	--	1.30E-05	1.70E-02	9.22E-01	2.12E-01	1.09E-02	2.82E-05	--	--	1.40E-11	7.45E-09	2.65E-15	3.57E-09	1.09E-05	1.18E-07	8.23E-07	5.54E-13
RF	RF135.01-S	2.29	4.56E+00	--	--	--	2.54E-04	5.98E-02	3.30E+00	7.57E-01	3.89E-02	1.00E-04	--	--	4.01E-10	4.03E-07	9.46E-15	8.59E-08	3.61E-04	3.76E-05	2.94E-06	2.89E-03
RF	RF135.02-S	10.4	2.04E+00	--	--	--	9.82E-05	1.13E-01	6.15E+00	1.41E+00	7.65E-02	1.88E-04	--	--	1.31E-10	4.82E-06	1.74E-14	3.01E-08	4.18E-03	1.33E-04	5.44E-06	1.17E-06
RF	RF137.01-S	0.42	3.10E-01	--	--	--	1.68E-05	1.22E-02	6.80E-01	1.56E-01	7.93E-03	2.05E-05	--	--	2.62E-11	5.35E-09	1.94E-15	5.62E-09	7.84E-06	8.73E-08	6.04E-07	4.01E-13
RF	RF139.01-S	11.65	3.03E+02	--	--	--	1.70E-02	6.08E-01	3.33E+01	7.65E+00	4.12E-01	1.01E-03	--	--	2.67E-08	3.09E-06	9.41E-14	5.74E-06	2.83E-03	2.03E-04	2.95E-05	1.30E-02
RF	RF140.01-S	172.16	7.89E+01	1.34E-05	--	--	3.68E-03	4.97E+00	2.47E+02	5.93E+01	3.15E+00	8.12E-03	--	--	4.75E-09	2.33E-06	7.40E-13	1.11E-06	3.32E-03	3.56E-05	2.30E-04	3.52E-08
RF	RF141.01-S	45.55	2.62E+02	--	--	--	1.11E-02	2.64E+01	1.81E+03	4.20E+02	9.96E+00	2.81E-02	--	--	1.18E-08	3.22E-04	5.25E-12	3.02E-06	2.83E-01	8.80E-03	1.63E-03	7.58E-05
RF	RF141.02-S	175.97	1.76E+03	--	--	--	3.21E-01	1.03E+02	7.40E+03	1.75E+03	3.65E+01	1.52E-01	--	--	9.23E-07	3.86E-04	2.19E-11	1.59E-04	3.58E-01	1.04E-02	6.79E-03	8.32E-05
RL	RL105-01	161.63	5.20E+01	1.28E-01	1.90E-02	6.45E+00	5.88E-02	3.02E+00	2.03E+01	1.16E+01	2.66E+00	4.18E-03	--	5.25E+00	1.88E-07	1.17E-05	1.29E-11	3.19E-05	1.10E-02	4.57E-04	2.08E-03	1.13E-02
RL	RL105-03	67.18	2.76E+01	--	--	5.15E+00	6.05E-03	9.63E-01	1.27E+01	6.94E+00	7.62E-01	3.38E-03	--	8.67E-01	1.73E-08	2.76E-05	8.27E-14	3.02E-06	2.45E-02	8.47E-04	2.63E-05	1.80E-02
RL	RL200-01	151.97	1.20E+02	--	--	7.05E-03	5.15E-03	6.43E+00	6.66E+01	3.72E+01	3.21E+00	1.52E-03	2.64E-10	--	5.52E-09	2.65E-06	4.43E-13	1.41E-06	3.99E-03	8.35E-06	1.41E-04	2.91E-11
RL	RL200-02	55.95	1.45E+01	--	--	2.30E-01	6.73E-04	6.53E-02	2.75E+00	1.10E+00	7.18E-03	1.96E-04	--	6.40E-02	5.00E-07	1.03E-06	2.24E-06	4.23E-05	2.07E-04	5.82E-06	1.22E-05	1.54E-04
RL	RL201-01	11.65	2.30E+01	--	--	1.06E-01	1.18E-03	--	1.84E+00	4.50E-01	--	--	--	2.51E+00	1.68E-09	1.85E-09	6.61E-15	3.75E-07	2.92E-06	2.57E-07	1.89E-06	7.32E-03
RL	RL202S-01	1.04	4.20E-02	--	--	--	2.28E-06	1.37E-03	7.59E-02	1.81E-02	3.12E-04	8.44E-07	--	--	3.57E-12	6.54E-10	2.40E-16	7.64E-10	9.25E-07	1.01E-08	7.24E-08	1.71E-14
RL	RL209E-01	82.44	4.48E+02	--	--	3.43E-08	2.76E-02	3.12E+01	6.90E+02	2.49E+02	2.74E+00	3.70E-02	--	2.81E-08	5.24E-08	3.67E-05	3.87E-12	1.02E-05	3.79E-02	6.08E-04	1.08E-03	1.31E-03
RL	RL216Z-02	310.71	2.51E+03	--	--	--	1.09E-01	1.77E+02	3.27E+03	1.13E+03	6.74E+01	5.54E-02	--	--	1.20E-07	7.59E-05	1.40E-11	3.03E-05	1.12E-01	4.16E-04	4.37E-03	1.08E-09
RL	RL221T-01	6.66	1.62E-03	--	--	--	9.51E-08	1.58E-04	2.09E-03	1.17E-03	2.17E-05	4.79E-08	--	--	1.74E-13	1.22E-10	2.19E-17	3.43E-11	1.42E-07	3.29E-10	5.57E-09	1.15E-15
RL	RL221U-01	2.1	4.14E-04	--	--	6.18E-03	2.43E-08	1.62E-04	5.94E-04	5.58E-05	--	--	--	2.24E-03	6.79E-11	6.21E-07	3.97E-13	4.59E-09	4.34E-04	1.45E-05	5.05E-05	3.18E-04
RL	RL222S-01	133.04	1.95E+01	8.32E-05	--	6.11E-04	3.38E-03	4.32E-01	4.75E+00	2.46E+00	2.03E-01	1.01E-04	--	2.66E-04	8.41E-04	1.98E-07	5.50E-07	7.10E-02	2.88E-04	1.12E-06	9.33E-06	1.49E-02
RL	RL231Z-01	1535.91	2.91E+02	5.57E-03	--	2.75E-03	3.99E-02	2.53E+01	6.45E+02	1.71E+02	2.68E+00	2.12E-02	--	2.27E-03	1.21E-07	1.36E-04	2.48E-12	2.00E-05	1.15E-01	2.66E-03	7.16E-04	1.61E-02
RL	RL231Z-03	1.46	3.87E-04	--	--	--	2.19E-08	2.03E-05	2.59E+04	1.45E-04	3.42E-06	5.93E-09	--	--	3.74E-14	1.44E-11	2.54E-18	7.65E-12	1.73E-08	3.94E-11	6.66E-10	1.38E-16
RL	RL233S-01	67.69	3.34E+01	--	--	1.69E-04	1.64E-02	2.58E+00	5.30E+01	1.71E+01	3.60E-01	5.12E-03	--	1.41E-04	5.22E-08	1.44E-06	2.10E-13	8.81E-06	1.92E-03	1.61E-05	6.58E-05	1.40E-04
RL	RL233S-03	4.78	3.81E-01	--	--	3.67E-07	3.45E-04	4.38E-02	4.10E-01	1.71E-01	1.89E-03	1.42E-04	--	3.05E-07	1.08E-09	1.77E-08	2.01E-15	1.85E-07	2.68E-05	5.11E-08	6.45E-07	2.71E-12
RL	RL2718-01	0.62	7.25E-01	--	--	--	3.53E-05	4.07E-02	5.31E-01	2.94E-01	1.06E-02	1.09E-05	--	--	4.78E-11	2.33E-08	4.44E-15	1.09E-08	3.06E-05	7.51E-08	1.25E-06	2.35E-13
RL	RL300-01	194.73	4.27E+02	6.06E-03	--	1.33E-05	2.64E-02	3.95E+01	5.63E+02	2.55E+02	8.74E+00	4.92E-02	--	1.11E-05	4.61E-08	1.53E-04	3.96E-04	9.50E-06	1.44E-01	6.19E-03	9.67E-04	1.10E-01
RL	RL300-03	2.08	7.83E+00	--	--	--	3.75E-04	6.62E-01	9.70E+00	5.06E+00	1.60E-01	9.39E-04	--	--	4.82E-10	4.01E-07	5.93E-14	1.13E-07	5.24E-04	5.16E-06	1.90E-05	5.94E-05
RL	RL308-01	604.29	2.10E+04	1.80E-03	--	1.09E-02	9.20E-01	2.34E+03	9.95E+03	6.40E+03	3.28E+02	6.15E+00	--	9.03E-03	9.32E-04	1.11E-03	5.87E-04	7.95E-02	1.58E+00	1.59E-02	1.41E-02	2.14E-01
RL	RL325-01	1373.4	2.56E+03	6.48E-01	1.05E-01	8.33E-02	3.94E-01	4.46E+02	2.33E+03	9.53E+02	4.29E+01	2.81E-01	--	7.66E-02	6.44E-04	6.60E-04	3.19E-03	5.49E-02	6.96E-01	1.48E-02	3.59E-03	1.51E-01
RL	RL325-03	4.37	1.03E+01	--	--	5.24E-05	2.61E-03	3.04E-01	8.20E+00	2.44E+00	1.08E-01	2.46E-04	--	4.36E-05	7.58E-09	2.33E-06	2.90E-14	1.32E-06	2.12E-03	6.54E-05	9.24E-06	9.32E-04
RL	RLARG-01	5.62	1.72E+01	--	--	--	9.31E-04	9.36E-01	1.14E+01	6.37E+00	2.01E-01	2.61E-04	--	--	1.49E-02	5.91E-07	6.60E-04	1.08E+00	7.46E-04	1.67E-06	2.82E-05	5.83E-12
RL	RLBART-01	0.62	3.53E-06	--	--	--	1.97E-10	--	--	--	8.66E-08	--	--	--	3.27E-16	--	--	6.77E-14	--	--	--	--
RL	RLBAT-01	44.76	1.26E+01	3.40E-06	--	1.29E-07	1.75E-03	3.56E+01	8.32E+00	4.65E+00	1.61E-01	2.02E-04	--	1.09E-07	5.72E-09	2.63E-05	4.75E-06	9.09E-07	3.13E-02	1.20E-04	2.03E-05	3.91E-04
RL	RLBET-01	0.42	5.92E-03	--	--	4.48E-06	3.23E-07	8.13E-04	1.00E-02	5.60E-03	1.67E-04	2.27E-07	--	--	5.16E-13	5.23E-10	9.19E-17	1.09E-10	6.55E-07	7.98E-06	2.49E-08	5.10E-15
RL	RLBW-01	405.26	7.38E+02	4.76E-05	--	1.08E-02	3.63E-02	6.12E+01	9.17E+02	4.33E+02	1.50E+01	7.81E-02	--	8.96E-03	8.74E-04	4.72E-05	5.07E-12	7.43E-02	5.73E-02	6.36E-04	1.63E-03	1.18E-02
RL	RLBW-03	0.83	2.93E+00	--	--	3.99E-08	1.47E-04	2.69E-01	2.97E+00	1.60E+00	5.78E-02	3.25E-04	--	3.40E-								

Table B 3. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RLM233SD.001-S	17.28	5.30E+00	--	--	1.39E-05	4.32E-03	4.97E-01	1.18E+01	3.28E+00	6.79E-02	7.94E-04	--	1.16E-05	1.37E-08	2.35E-07	3.91E-14	2.32E-06	3.35E-04	2.37E-06	1.24E-05	1.34E-05
RL	RLM308D.001-S	67.07	1.90E+03	1.07E-03	--	9.04E-04	1.04E-01	2.08E+02	9.64E+02	6.04E+02	2.63E+01	5.79E-01	--	7.50E-04	1.20E-04	1.47E-04	1.56E-04	9.96E-03	1.81E-01	1.87E-03	2.33E-03	2.50E-02
RL	RLM325D.001-S	2.08	3.34E+00	1.48E-04	--	3.51E-05	1.80E-04	2.21E-01	3.19E+00	1.18E+00	5.43E-02	2.81E-04	--	2.97E-05	2.72E-10	1.42E-06	1.43E-14	5.93E-08	1.29E-03	4.81E-05	4.51E-06	4.54E-05
RL	RLMHASH.001-S	62.19	7.12E+02	--	--	1.99E-07	3.29E-02	2.85E+01	2.43E+03	5.97E+02	7.80E+00	8.17E-02	--	8.63E-08	2.13E-05	1.31E-05	7.69E-12	1.74E-03	1.88E-02	3.18E-04	2.35E-03	1.63E-09
RL	RLMLB-01	0.42	7.77E-02	--	1.24E-01	--	4.30E-06	4.16E-03	5.18E-02	1.38E-01	7.90E-04	1.19E-06	--	--	7.06E-12	2.78E-09	1.80E-15	1.47E-09	3.43E-06	7.74E-09	5.37E-07	2.70E-14
RL	RLMLL-01	1.04	1.77E-01	--	--	--	1.04E-05	8.92E-03	1.19E-01	6.67E-02	1.18E-03	2.73E-06	--	--	1.93E-11	7.05E-09	1.26E-15	3.79E-09	8.13E-06	1.89E-08	3.19E-07	6.60E-14
RL	RLMPDT.001-S	1678.3	3.70E+03	1.85E-03	--	1.34E-03	2.94E-01	3.70E+02	6.73E+03	2.17E+03	7.32E+01	4.29E-01	--	1.11E-03	4.17E-03	1.95E-04	3.38E-06	3.47E-01	2.66E-01	1.87E-03	8.37E-03	7.55E-03
RL	RLMPURX.001-S	117.89	6.81E+02	1.14E-04	--	7.52E-04	2.96E-02	7.16E+01	9.79E+02	3.83E+02	2.66E+01	9.89E-02	--	5.98E-04	4.86E-04	3.14E-05	4.71E-12	4.04E-02	4.61E-02	1.42E-04	1.48E-03	2.62E-04
RL	RLMSSC.001-S	64.69	8.44E+02	--	--	--	3.69E-02	7.83E+01	2.78E+03	6.11E+02	2.50E+01	7.24E-02	--	--	4.12E-08	3.54E-05	7.75E-12	1.03E-05	5.12E-02	3.66E-04	2.39E-03	3.93E-04
RL	RLMWARD.001-S	20.59	2.41E+01	--	--	2.26E-07	1.21E-03	2.98E+00	1.03E+01	7.03E+00	4.25E-01	5.52E-03	--	1.88E-07	1.67E-09	5.09E-06	8.38E-14	3.80E-07	5.23E-03	1.15E-04	2.67E-05	1.02E-03
RL	RLNPDT.002-S	438.3	6.94E+02	3.44E-03	--	7.65E-05	3.27E-02	7.36E+01	2.00E+03	4.74E+02	1.63E+01	8.38E-02	--	4.82E-05	4.18E-08	3.89E-05	6.21E-08	9.80E-06	5.29E-02	4.19E-04	1.87E-03	4.35E-04
RL	RLNPURX.001-S	38.82	3.38E+02	4.09E-05	--	1.05E-04	1.41E-02	3.67E+01	4.10E+02	1.58E+02	1.47E+01	5.02E-02	--	6.15E-05	1.48E-08	1.65E-05	2.00E-12	3.82E-06	2.39E-02	5.31E-05	6.18E-04	9.92E-10
RL	RLPPF-01	12412.85	3.72E+04	7.42E-03	--	1.05E-02	2.19E+00	3.76E+03	7.15E+04	2.30E+04	7.91E+02	4.67E+00	--	8.74E-03	3.42E-02	5.39E-03	4.91E-04	2.91E+00	5.72E+00	1.06E-01	8.64E-02	1.79E+00
RL	RLPPF-03	22.26	1.90E+02	--	--	4.22E-06	9.36E-03	1.72E+01	3.29E+02	1.05E+02	3.12E+00	2.17E-02	--	3.50E-06	5.76E-05	3.49E-05	1.29E-12	4.79E-03	3.47E-02	1.75E-04	4.04E-04	1.11E-03
RL	RLPPF-04	3.74	2.34E-01	--	--	--	1.01E-05	2.27E-02	8.53E-01	2.10E-01	5.74E-03	1.81E-05	--	--	1.09E-11	9.36E-09	2.51E-15	2.78E-09	1.41E-05	1.07E-07	7.98E-07	3.46E-13
RL	RLPRC-01	2.1	1.39E-01	--	--	--	7.40E-06	1.19E-02	3.43E-01	8.65E-02	1.14E-03	5.88E-06	--	--	1.13E-11	8.75E-09	1.04E-04	2.45E-09	1.04E-05	1.03E-07	3.77E-07	1.15E-06
RL	RLPURX-01	598.06	4.25E+03	3.97E-04	--	4.83E-03	1.80E-01	4.56E+02	6.23E+03	2.38E+03	1.88E+02	5.79E-01	--	3.89E-03	1.74E-02	1.88E-04	2.79E-11	1.48E+00	2.83E-01	8.89E-04	8.93E-03	1.87E-03
RL	RLRFETS.001-S	63.86	5.93E+02	--	--	1.04E-06	2.67E-02	2.96E+01	3.80E+03	6.25E+02	1.16E+01	6.53E-02	--	9.68E-08	9.24E-05	1.95E-05	8.04E-12	7.51E-03	2.45E-02	6.70E-04	2.46E-03	1.30E-09
RL	RLSWO-01	311.18	2.74E+02	2.72E-05	--	7.26E-04	1.44E-02	1.80E+01	4.69E+02	1.52E+02	4.42E+00	2.02E-02	--	6.04E-04	3.11E-04	1.26E-05	1.78E-12	2.65E-02	1.57E-02	2.25E-04	5.70E-04	9.17E-04
RL	RLSWOCD.001-S	5.82	4.67E+00	--	--	2.56E-05	2.14E-04	3.91E-01	1.07E+01	3.26E+00	8.32E-02	3.33E-04	--	2.13E-05	2.57E-10	2.06E-07	3.88E-14	6.24E-08	2.81E-04	2.78E-06	1.23E-05	1.52E-08
RL	RLVIPAC.001-S	154.98	3.36E+02	1.68E-05	--	1.06E-04	1.80E-02	5.73E+01	9.74E+02	2.95E+02	3.50E+00	8.82E-02	--	8.80E-05	1.84E-04	6.19E-04	3.52E-12	1.55E-02	5.57E-01	1.38E-02	1.12E-03	2.62E-01
RL	RLWAR-01	716.89	5.71E+02	--	--	3.89E-06	2.83E-02	7.27E+01	2.46E+02	1.68E+02	1.04E+01	1.34E-01	--	3.24E-06	3.81E-08	1.17E-04	1.97E-12	8.76E-06	1.22E-01	2.70E-03	6.31E-04	1.41E-02
RL	RLWAR-03	2.5	5.24E+00	--	--	--	2.76E-04	6.22E-01	1.99E+00	1.24E+00	7.97E-02	9.97E-04	--	--	4.02E-10	2.51E-07	1.46E-14	8.94E-08	3.81E-04	2.48E-07	4.68E-06	1.90E-11
SA	SA-T001	6.37	8.67E-01	--	3.74E-02	--	6.22E-05	8.29E-02	3.56E+00	2.08E-02	--	--	--	--	1.34E-10	4.38E-08	4.65E-03	2.50E-08	5.95E-05	4.88E-07	7.04E-08	--
SA	SA-W134	14.14	8.03E+00	1.51E-06	1.15E-05	3.13E+00	1.48E-02	1.46E-01	8.33E-01	1.15E-01	3.92E-04	4.95E-10	--	2.84E+00	2.35E-05	4.64E-06	1.57E-15	1.86E-03	3.83E-03	2.25E-04	4.65E-07	4.09E-04
SA	SA-W134M	2.08	1.69E-01	7.87E-10	1.60E-06	8.29E-03	1.70E-05	2.51E-03	6.03E-02	2.15E-02	2.15E-04	2.59E-13	--	7.54E-03	5.67E-05	5.57E-06	2.94E-16	4.47E-03	4.55E-03	4.72E-05	8.74E-08	6.24E-05
SA	SA-W136	25.62	8.14E-01	--	--	--	3.07E-05	3.18E-01	1.46E+01	3.31E+00	6.30E-02	3.89E-04	--	--	2.72E-11	1.31E-07	3.95E-14	7.60E-09	1.97E-04	1.83E-06	1.26E-05	7.46E-12
SR	SR2001.001.00-S	61.15	1.40E+00	--	--	2.72E-07	5.85E-05	3.97E-01	9.62E+00	1.89E+00	6.31E-02	1.93E-04	--	--	6.14E-11	1.82E-07	2.44E-14	1.58E-08	2.62E-04	1.25E-06	7.47E-06	3.85E-12
SR	SR2002.002.00-S	69.89	4.62E+00	--	--	9.32E-07	1.99E-04	1.72E-01	1.13E+01	2.59E+00	1.51E-01	3.57E-04	--	7.22E-08	1.08E-03	7.73E-08	3.28E-14	8.85E-02	1.12E-04	1.46E-06	1.01E-05	7.06E-12
SR	SR-BCLCH-MT01	11.34	3.32E+01	--	--	--	1.38E-03	1.38E+03	6.20E+01	1.61E+01	1.50E+00	2.65E-03	--	--	1.42E-09	6.07E-04	2.01E-13	3.70E-07	8.89E-01	7.97E-06	6.25E-05	5.21E-11
SR	SR-SWMF-HET-A	731.23	1.54E+02	1.20E-01	1.24E-01	1.25E+00	4.76E-02	3.33E+02	3.84E+02	8.38E+01	6.61E+00	1.17E+00	--	6.59E+00	9.24E-06	1.16E-03	2.69E-12	8.05E-04	1.12E+00	2.06E-04	5.93E-04	1.37E+00
SR	SR-SWMF-SOIL	2.91	3.21E+00	4.85E+00	1.35E+00	--	1.82E-04	2.40E+00	3.15E-02	3.00E+00	5.04E-02	1.58E-03	2.05E-12	--	3.10E-10	1.67E-06	4.60E-14	6.34E-08	2.02E-03	3.15E-09	1.28E-05	3.64E-11
SR	SR-T001-221H-HEPA	298.79	3.62E+00	--	--	8.11E-01	1.13E-02	1.64E+02	1.16E+01	3.69E+00	1.27E-01	7.60E-04	--	4.21E-04	5.77E-04	1.04E-04	6.35E-12	4.33E-02	1.31E-01	7.15E-05	9.08E-04	4.86E-05
SR	SR-W026-221F-HEPA	1588.04	3.53E+02	--	--	1.93E-05	1.55E-02	2.22E+02	1.19E+03	2.74E+02	1.32E+01	1.02E-01	--	7.88E-11	1.77E-08	1.27E-04	4.15E-12	4.37E-06	1.67E-01	1.68E-04	1.17E-03	2.74E-08
SR	SR-W026-221F-HET	867.37	1.96E+02	6.72E-04	9.18E-04	4.44E-02	9.86E-03	5.83E+01	3.74E+02	8.51E+01	5.90E+00	1.96E-01	--	1.14E-02	1.01E-03	5.26E-05	1.97E-12	8.41E-02	6.08E-02	7.16E-04	4.73E-04	7.83E-04
SR	SR-W026-221F-HET-S	574.42	3.63E+02	5.54E-05	6.17E-04	1.62E-05	2.05E-02	1.18E+02	1.17E+03	3.25E+02	1.13E+01	3.91E-02	--	1.58E-05	3.35E-08	2.21E-04	3.95E-05	7.06E-06	2.22E-01	1.89E-03	1.25E-03	1.29E-02
SR	SR-W026-221F-HOM	8.45	4.82E-01	--	--	5.11E-07	2.20E-05	2.51E-01	2.57E+00	4.93E-01	1.43E-02	6.10E-05	--	1.77E-12	2.71E-11	1.48E-07	7.45E-15	6.45E-09	1.92E-04	3.68E-07	2.10E-06	1.20E-09
SR	SR-W026-772F-HET	501.86	8.09E+01	--	2.17E-04	1.50E-01	1.82E-01	3.18E+03	1.10E+02	2.78E+01	1.10E+02	2.94E-02	--	8.05E-02	2.67E-05	2.49E-03	7.37E-12	2.27E-03	2.99E+00	1.15E-03	1.21E-03	3.67E-03
SR	SR-W026-772F-HET-S	1419.83	1.95E+02	7.89E-04	7.42E-04	3.34E-03	1.43E-01	1.87E+03	3.28E+02	8.97E+01	3.75E+00	1.46E-02	--	2.70E-03	8.95E-04	1.78E-03	4.55E-04	7.40E-02	2.03E+00	1.34E-03	3.45E-04	1.04E-03
SR	SR-W027-221F-HET	636.58	9.25E+02	--	--	--	3.88E-02	3.83E+02	1.81E+03	4.22E+02	3.80E+01	1.38E-01	--	--	4.08E-08	1.69E-04	5.28E-12	1.05E-05	2.47E-01	2.33E-04	1.64E-03	4.72E-06
SR	SR-W027-221F-HETA-S	2110.05	8.67E+02	8.51E-05	--	1.22E-01	4.60E-02	2.28E+02	2.02E+03	6.26E+02	2.72E+01	1.05E-01	--	1.39E-05	1.83E-03	3.92E-04	1.07E-04	1.51E-01	3.96E-01	3.90E-04	2.43E-03	2.20E-03
SR	SR-W027-221F-HOM	3.33	8.31E+00	--	--	--	4.67E-04	2.97E+00	1.68E+01	3.90E+00	1.14E-01	6.85E-04	--	--	7.88E-10	2.06E-06	6.76E-14	1.62E-07	2.51E-03	2.54E-06	1.78E-05	1.58E-11
SR	SR-W027-221H-HEPA	162.54	3.90E+00	--	--	9.77E-02	1.82E-02	1.94E+03	5.66E+00	2.62E+00	2.96E-01	2.50E-03	--	2.99E-02	4.65E-06	8.04E-04	2.52E-12	3.97E-04	1.21E+00	3.16E-05	4.06E-04	1.34E-06
SR	SR-W027-221H-HET	2640	5.09E+02	7.56E-04	--	2.63E+00	1.41E+01	1.68E+05	1.78E+03	5.96E+02	2.62E+01	2.52E-01	--	1.05E+00	2.22E-04	7.51E-02	6.20E-10</					

Table B 3. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W027-999-MD-HOM-B	22.64	3.62E-03	--	--	--	6.65E-07	7.66E-02	--	--	--	--	--	--	2.60E-12	5.52E-08	--	3.82E-10	6.61E-05	--	--	--
SR	SR-W027-999-MD-HOM-C	3.01	1.64E-03	--	--	--	9.35E-08	2.23E-01	2.37E-04	--	--	5.22E-08	--	--	1.62E-13	1.60E-07	--	3.28E-11	1.92E-04	3.63E-11	--	6.82E-16
SR	SR-W027-999-MD-SOIL	482.01	5.60E-02	--	--	2.18E-06	2.10E-04	9.75E+00	8.97E-01	--	--	6.98E-08	--	--	1.01E-09	7.02E-06	--	1.41E-07	8.41E-03	1.37E-07	--	9.12E-16
SR	SR-W027-FB-PRE86-C-S	2565.65	9.64E+02	1.55E-04	4.81E-03	3.39E-05	9.80E-02	1.13E+02	2.96E+03	6.99E+02	2.48E+01	1.89E-01	--	2.94E-05	1.01E-04	1.83E-04	9.85E-05	8.39E-03	1.87E-01	5.48E-04	2.69E-03	9.44E-04
SR	SR-W027-HBL-Box-A	7856.75	7.76E+01	--	--	2.80E-02	9.01E-01	2.24E+04	4.86E+01	2.61E+01	1.47E+00	3.13E-02	--	1.80E-02	3.74E-06	1.28E-02	3.95E-13	5.60E-04	1.69E+01	6.86E-06	1.12E-04	6.75E-10
SR	SR-W027-SRSG-HET	989.45	5.81E+02	3.50E-04	8.19E-05	1.83E-02	1.21E-01	1.36E+03	2.18E+02	5.07E+01	1.18E+01	1.14E-02	--	4.77E-01	5.24E-06	1.02E-03	2.47E-11	3.98E-04	1.20E+00	2.93E-04	3.33E-03	8.73E-05
SR	SR-W027-SRSG-HOM	66.94	2.59E+01	3.92E-03	4.03E-04	1.79E-04	3.17E-01	7.10E+02	1.34E+02	1.80E+01	4.46E-01	1.34E+00	--	1.67E-05	1.89E-02	4.66E-03	6.94E-11	1.30E+00	3.57E+00	2.40E-03	9.05E-03	1.42E-01
Total		168485	4.13E+05	7.11E+01	5.68E+01	5.43E+01	5.10E+01	6.66E+05	5.08E+05	1.42E+05	4.11E+03	7.46E+01	3.48E-04	4.65E+01	1.02E+01	1.01E+00	2.75E-01	1.56E+02	5.92E+02	4.47E+00	1.78E+00	2.71E+01

Table B 4. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	2151.31	1.62E+02	5.64E-04	2.23E-02	3.97E+01	3.78E-02	5.87E+01	3.15E+02	6.81E+01	9.79E-01	--	--	9.26E+00	4.89E-05	4.48E-05	1.26E-12	3.33E-03	5.24E-02	2.85E-03	3.22E-04	1.10E-03
AW	AW-T031.1322	114.51	2.20E+01	9.42E-04	6.81E-05	1.40E+03	4.10E-03	1.53E+01	3.62E+02	3.43E+01	1.48E-01	9.70E-04	--	1.70E+03	2.18E-08	2.28E-03	2.20E-10	2.86E-06	1.96E+00	7.30E-03	3.43E-02	1.02E-02
AW	AW-W026	0.89	1.01E-01	--	--	6.37E-03	5.12E-06	--	2.20E-02	--	--	--	--	2.06E-02	7.19E-12	7.72E-14	--	1.62E-09	1.23E-10	2.28E-06	--	3.10E-07
AW	AW-W028	79.83	--	--	--	8.84E-01	--	--	1.94E+00	1.01E-01	--	--	--	2.24E+00	--	1.35E-11	1.46E-15	--	2.14E-08	1.00E-04	4.22E-07	5.39E-05
AW	AW-W046	40.8	5.97E+00	--	--	1.78E+03	1.17E-03	2.67E+00	4.66E+00	2.93E+00	4.55E-02	6.92E-04	--	1.78E+03	3.26E-09	1.11E-06	3.49E-14	5.73E-07	1.67E-03	1.11E-02	1.11E-05	4.33E-02
AW	AW-W047	22.57	--	--	--	8.88E+01	--	--	9.28E-03	--	--	--	--	8.82E+01	--	--	--	--	--	1.19E-09	--	--
BT	BT-T001	2.67	3.32E+00	1.93E-02	3.30E-03	4.88E+02	2.71E-02	7.93E+01	3.75E-01	4.17E-01	6.19E-02	2.99E-03	--	4.41E+02	1.20E-01	2.31E-03	2.27E-03	8.22E+00	1.20E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	1.11E+00	6.42E-03	1.10E-03	1.63E+02	9.04E-03	2.64E+01	1.25E-01	1.39E-01	2.06E-02	9.97E-04	--	1.47E+02	4.01E-02	7.69E-04	7.56E-04	2.74E+00	4.00E-01	2.22E-03	2.52E-02	1.54E-05
IN	ID-ANLE-S5000-S	88.11	1.91E+01	--	--	1.58E+01	8.10E-04	3.02E+00	2.92E+01	1.53E+01	5.54E-01	8.80E-01	--	1.09E+01	8.95E-04	1.08E-04	1.79E-13	7.62E-02	9.63E-02	3.35E-03	5.74E-05	5.67E-04
IN	IN-AE-AGHC-01	95.23	4.54E+01	--	--	4.37E+01	1.92E-03	7.51E+00	7.36E+01	3.83E+01	1.35E+00	1.22E-02	--	2.96E+01	1.55E-03	2.73E-04	4.49E-13	1.32E-01	2.43E-01	8.45E-03	1.44E-04	1.42E-03
IN	IN-AW-161	1.78	--	--	--	1.93E-02	--	--	2.30E+00	4.84E-02	--	--	--	--	--	2.95E-14	7.52E-16	--	4.52E-11	1.68E-06	2.10E-07	1.10E-07
IN	IN-ID-BTO-030	1.78	4.39E-03	6.81E-04	--	2.50E+00	7.26E-04	2.14E+00	6.17E-03	6.15E-03	--	6.02E-05	--	2.22E+00	1.92E-03	1.27E-06	1.48E-05	1.42E-01	1.65E-03	7.98E-05	2.67E-08	1.32E-12
IN	IN-ID-INL-152	16.91	--	--	--	2.76E+01	2.35E-05	--	6.43E+00	2.46E+00	--	--	--	2.37E+01	8.91E-04	1.76E-10	4.06E-05	6.59E-02	2.70E-07	2.60E-03	1.07E-05	6.58E-04
IN	IN-INTEC-SFS-01	0.89	1.65E+00	--	--	1.67E-01	9.40E-05	6.20E-01	2.41E-01	2.76E-01	3.52E-02	1.01E-03	--	1.11E-01	1.63E-10	4.47E-07	4.90E-15	3.31E-08	5.35E-04	8.63E-06	1.28E-06	2.35E-11
IN	IN-NRF-153	8.01	1.21E-02	--	--	--	6.83E-07	8.52E-02	3.23E-03	3.45E-03	2.70E-04	1.16E-05	--	--	1.17E-12	6.03E-08	6.06E-17	2.38E-10	7.26E-05	4.74E-05	1.59E-08	2.70E-13
IN	IN-TRA-150	3.56	3.08E+01	--	--	--	1.61E-03	1.45E+01	--	--	--	--	--	--	2.36E-09	8.30E-06	--	5.19E-07	1.09E-02	--	--	--
IN	IN-TRA-157	4.45	1.27E-01	--	9.67E-05	1.13E-02	6.43E-06	5.30E-02	4.16E-03	5.37E-05	--	--	--	9.44E-02	2.69E-05	8.12E-07	5.34E-19	2.08E-03	6.65E-04	5.72E-10	1.82E-10	--
IN	IN-W208.243	0.89	1.63E+01	--	--	--	8.64E-04	4.78E-01	4.24E+01	9.47E+00	2.39E-01	6.94E-04	--	--	1.31E-09	2.85E-07	1.47E-13	2.83E-07	3.68E-04	4.04E-05	4.10E-05	1.52E-11
IN	IN-W216.876	15.13	6.28E+02	--	--	--	3.32E-02	3.92E-01	3.47E+01	7.79E+00	1.96E-01	5.69E-04	--	--	5.02E-08	2.33E-07	1.21E-13	1.09E-05	3.02E-04	4.97E-06	3.38E-05	1.24E-11
IN	IN-W216.877	43.61	9.03E+02	--	--	--	4.78E-02	5.65E-01	5.00E+01	1.12E+01	2.82E-01	8.20E-04	--	--	7.22E-08	3.36E-07	1.74E-13	1.57E-05	4.35E-04	7.16E-06	4.85E-05	1.79E-11
IN	IN-W228.884	8.9	5.50E+00	--	--	--	2.88E-04	1.84E-02	1.62E+00	3.64E-01	9.55E-03	2.65E-05	--	--	4.30E-10	1.08E-08	5.58E-15	9.39E-08	1.40E-05	2.31E-07	1.56E-06	5.76E-13
IN	IN-W228.885	0.89	9.14E-02	--	--	--	4.80E-06	3.08E-04	2.70E-02	6.07E-03	1.60E-04	4.42E-07	--	--	7.14E-12	1.80E-10	9.30E-17	1.56E-09	2.34E-07	3.85E-09	2.61E-08	9.61E-15
IN	IN-W228.886	21.36	6.60E+00	--	--	--	3.46E-04	2.21E-02	1.95E+00	4.35E-01	1.15E-02	3.18E-05	--	--	5.15E-10	1.29E-08	6.68E-15	1.13E-07	1.68E-05	2.77E-07	1.87E-06	6.91E-13
IN	IN-W243.276	3.56	1.69E+00	--	--	--	8.85E-05	8.60E-02	7.59E+00	1.70E+00	4.48E-02	1.24E-04	--	--	1.32E-10	5.03E-08	2.61E-14	2.88E-08	6.55E-05	3.28E-06	7.32E-06	1.52E-07
IN	IN-W243.277	1.78	3.37E+00	--	--	--	1.77E-04	1.72E-01	1.51E+01	3.40E+00	8.97E-02	2.47E-04	--	--	2.64E-10	1.01E-07	5.22E-14	5.77E-08	1.31E-04	6.55E-06	1.46E-05	3.03E-07
IN	IN-W252.282	17.8	2.49E+01	--	--	--	1.31E-03	1.46E+00	1.29E+02	2.87E+01	7.59E-01	2.10E-03	--	--	1.95E-09	8.53E-07	4.41E-13	4.26E-07	1.11E-03	1.83E-05	1.24E-04	4.56E-11
IN	IN-W254.1045	1.78	1.28E+00	--	--	--	6.70E-05	8.73E-02	7.67E+00	1.72E+00	4.55E-02	1.26E-04	--	--	9.98E-11	5.10E-08	2.64E-14	2.18E-08	6.64E-05	1.09E-06	7.41E-06	2.73E-12
IN	IN-W294.343	8.9	5.16E+00	--	--	--	2.71E-04	3.17E-01	2.79E+01	6.26E+00	1.65E-01	4.57E-04	--	--	4.03E-10	1.85E-07	9.60E-14	8.82E-08	2.41E-04	2.19E-05	2.69E-05	9.94E-12
IN	IN-W296.330	12.46	1.75E+00	--	--	--	1.30E-04	1.03E-01	9.04E+00	2.02E+00	5.35E-02	1.48E-04	--	--	2.98E-10	6.00E-08	3.10E-14	5.39E-08	7.81E-05	2.68E-06	8.71E-06	3.22E-12
IN	IN-W296.331	12.46	5.86E+00	--	--	--	4.35E-04	3.43E-01	3.02E+01	6.76E+00	1.79E-01	4.95E-04	--	--	9.94E-10	2.00E-07	1.04E-13	1.80E-07	2.61E-04	8.93E-06	2.91E-05	1.07E-11
IN	IN-W298.318	8.01	2.36E+01	--	--	--	1.24E-03	1.09E+00	9.57E+01	2.15E+01	5.69E-01	1.58E-03	--	--	1.84E-09	6.37E-07	3.30E-13	4.03E-07	8.31E-04	1.36E-05	9.27E-05	3.43E-11
KA	KA-T001	381.47	1.30E-01	2.10E-04	4.05E-05	1.50E+01	3.44E-03	4.06E+00	3.04E-02	7.54E-03	1.98E-03	2.91E-05	6.90E-12	1.31E+01	3.49E-08	3.03E-05	1.84E-10	3.53E-06	2.21E-02	2.90E-04	2.75E-03	1.27E-06
KA	KA-W016	39.02	1.33E-02	2.15E-05	4.14E-06	1.54E+00	3.52E-04	4.15E-01	3.11E-03	7.71E-04	2.02E-04	2.98E-06	7.06E-13	1.34E+00	3.57E-09	3.10E-06	1.89E-11	3.61E-07	2.26E-03	2.97E-05	2.82E-04	1.30E-07
LA	LA-TA-00-03	0.89	--	--	--	--	--	--	1.23E+01	--	--	--	--	--	--	--	--	--	--	1.98E-06	--	--
LA	LA-TA-03-27	97.01	2.48E+00	--	--	8.47E+01	1.40E-04	4.69E-01	2.32E+02	2.49E+00	5.55E-02	1.52E-03	--	6.96E+01	2.40E-10	2.74E-06	1.05E-13	4.90E-08	2.14E-03	9.33E-03	1.96E-05	4.09E-05
OR	OR-REDC-RH-HET	530.28	1.21E+00	7.05E-02	9.61E-01	1.90E-01	6.54E-05	2.35E-01	4.31E-01	1.02E+00	7.24E-03	6.95E-03	2.87E-09	8.43E-01	1.03E-10	1.48E-07	1.30E-14	2.19E-08	1.87E-04	6.29E-08	3.94E-06	1.53E-10
OR	OR-TBD-RH-HET	266.45	1.91E+02	1.52E+00	4.00E+00	1.96E+02	3.36E-02	7.28E+01	2.92E+01	2.50E+01	3.40E-01	5.62E-02	1.49E-08	1.10E+02	4.65E-01	4.99E-05	1.95E-03	3.37E+01	6.10E-02	1.40E-03	2.25E-04	5.98E-04
OR	OR-W213-RH-HET	158.56	4.79E+00	1.66E-03	1.27E-04	3.04E+00	5.83E-03	3.74E-01	2.66E+00	3.29E-03	2.81E-02	1.48E-03	--	2.33E-02	3.99E+00	6.93E-03	6.36E-02	5.15E+00	2.93E-01	4.36E-03	4.63E-03	5.54E-02
RL	RL105-07	97.9	7.61E+00	1.15E-05	2.42E-03	1.07E+00	5.72E-04	5.93E-01	3.98E+00	2.00E+00	2.48E-01	2.57E-04	--	8.35E-01	1.33E-09	1.09E-05	1.54E-05	2.40E-07	9.60E-03	4.41E-04	1.76E-03	1.08E-02
RL	RL105-09	347.99	6.70E+01	--	--	8.95E+00	1.22E-02	2.62E+00	3.54E+01	1.93E+01	1.82E+00	9.40E-03	--	3.08E+00	3.61E-08	7.52E-05	6.22E-10	6.15E-06	6.42E-02	2.36E-03	9.53E-02	5.09E-02
RL	RL209E-08	0.89	2.40E+00	--	--	--	1.45E-04	1.72E-01	3.48E+00	1.20E+00	1.40E-02	1.52E-04	--	--	2.69E-10	1.02E-07	1.87E-14	5.31E-08	1.32E-04	4.98E-07	5.22E-06	3.33E-12
RL	RL222S-08	3.56	7.36E-01	2.52E-02	--	1.70E-02	1.17E-02	2.44E-02	6.38E+00	2.13E-01	4.60E-02	5.73E-04	2.33E-06	2.44E-02	5.29E-03	1.01E-08	2.54E-15	4.46E-01	1.52E-05	2.41E-05	8.09E-07	3.93E-04

Table B 4. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2133
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL325-08	224.28	3.95E+02	4.47E-01	6.65E-01	3.91E+01	3.31E-01	1.86E+02	6.66E+01	6.96E+01	1.13E+01	9.55E-02	--	2.64E+02	1.53E-06	8.53E-05	1.76E-07	2.14E-04	1.23E-01	1.16E-03	2.75E-04	3.53E-03
RL	RL325-09	0.89	1.98E-02	1.83E-05	6.86E-03	2.74E-03	8.85E-07	6.22E-04	2.84E-04	2.75E-03	1.37E-04	2.00E-08	--	6.34E-03	9.85E-13	2.51E-10	2.34E-17	2.48E-10	3.81E-07	1.35E-10	8.60E-09	5.00E-08
RL	RLBART-08	0.89	3.67E-01	--	--	--	2.05E-05	1.63E-07	3.37E-06	1.61E-06	1.25E-08	4.72E-10	--	--	3.40E-11	1.11E-13	2.76E-20	7.05E-09	1.36E-10	5.06E-13	7.33E-12	1.08E-17
RL	RLBAT-08	6.23	4.90E+00	2.84E-02	2.07E-02	3.75E+00	2.17E-04	1.33E+00	4.78E-01	7.79E-01	1.15E-01	2.09E-03	--	2.24E+00	4.02E-10	1.08E-06	5.21E-13	7.41E-08	1.27E-03	1.90E-05	8.21E-05	3.67E-04
RL	RLBW-08	1.78	2.82E+00	--	--	--	1.56E-04	2.76E-01	1.46E+00	8.67E-01	2.54E-02	4.48E-04	--	--	2.39E-10	1.51E-07	1.02E-14	5.21E-08	2.04E-04	1.06E-06	3.26E-06	1.87E-05
RL	RLESG-08	29.37	4.69E+00	--	--	8.10E-02	2.07E-04	2.60E-01	3.17E+00	1.67E+00	1.14E-01	6.37E-05	--	1.26E-03	2.35E-10	1.17E-07	2.12E-14	5.85E-08	1.69E-04	4.10E-07	6.53E-06	1.26E-12
RL	RLGEV-08	7.12	1.74E+01	--	--	5.61E-01	9.55E-04	3.18E+00	4.51E+01	2.20E+01	4.69E-01	2.25E-03	--	3.97E-01	1.55E-09	2.08E-06	3.66E-13	3.24E-07	2.59E-03	6.68E-06	9.86E-05	5.09E-11
RL	RLPFP-08	19.58	2.96E+01	--	--	4.52E-06	1.32E-03	2.77E+00	3.78E+01	1.32E+01	6.43E-01	3.04E-03	--	3.77E-06	1.52E-09	1.27E-06	1.54E-13	3.76E-07	1.84E-03	9.27E-06	4.95E-05	5.41E-06
RL	RLPURX-07	41.83	7.91E+02	--	--	--	4.51E-02	6.33E+01	1.08E+03	4.99E+02	7.51E+00	6.87E-02	--	--	7.81E-08	4.56E-05	8.87E-12	1.59E-05	5.46E-02	1.66E-04	2.31E-03	1.61E-09
RL	RLSWO-08	27.59	2.11E+02	--	--	3.44E+03	1.00E-02	4.55E+02	3.13E+00	3.05E+00	2.62E-01	4.82E-03	--	2.06E+03	1.24E-08	2.09E-04	3.92E-14	2.98E-06	3.00E-01	4.08E-07	1.20E-05	9.61E-11
RL	RLWTP-08	1777.74	3.01E+01	4.23E-03	--	8.36E+02	2.50E-02	5.59E-01	2.42E+01	4.10E+00	9.32E-02	2.84E-04	--	5.40E+02	2.09E-03	1.32E-04	1.16E-11	1.76E-01	1.16E-01	4.94E-03	1.86E-03	1.10E-01
SA	SA-W135	6.23	2.35E+01	--	3.76E-03	3.23E+01	2.34E-03	2.04E+00	3.85E+00	5.73E-01	6.16E-05	--	--	2.94E+01	5.99E-09	1.32E-05	7.83E-15	1.06E-06	1.14E-02	7.48E-04	2.33E-06	2.49E-04
SR	SR-BCLRH-MT01	0.89	3.23E+00	1.89E-02	1.42E-02	2.53E+00	3.72E-04	8.82E-01	3.15E-01	5.13E-01	7.99E-02	1.54E-03	--	1.52E+00	1.28E-09	1.42E-06	1.10E-12	1.98E-07	1.45E-03	1.29E-05	1.72E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	2.24E-02	1.31E-04	9.83E-05	1.75E-02	2.58E-06	6.13E-03	2.18E-03	3.56E-03	5.53E-04	1.07E-05	--	1.05E-02	8.87E-12	9.84E-09	7.64E-15	1.37E-09	1.01E-05	8.93E-08	1.20E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	7.70E-01	--	3.42E-03	4.13E-02	3.61E-05	3.97E-01	1.17E-01	1.89E-01	--	--	--	1.52E+00	2.39E-10	7.82E-07	6.61E-13	2.66E-08	7.75E-04	7.81E-06	1.03E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	2.25E+00	1.32E-02	9.89E-03	1.76E+00	2.60E-04	6.13E-01	2.20E-01	3.58E-01	5.57E-02	1.08E-03	--	1.06E+00	8.94E-10	9.85E-07	7.69E-13	1.38E-07	1.01E-03	8.96E-06	1.21E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	6.74E+01	3.93E-01	2.95E-01	5.26E+01	7.76E-03	1.84E+01	6.56E+00	1.07E+01	1.66E+00	3.22E-02	--	3.16E+01	2.67E-08	2.94E-05	2.29E-11	4.12E-06	3.01E-02	2.69E-04	3.59E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	4.61E+00	2.68E-02	2.02E-02	3.59E+00	5.30E-04	1.26E+00	4.48E-01	7.30E-01	1.14E-01	2.20E-03	--	2.15E+00	1.82E-09	2.02E-06	1.57E-12	2.81E-07	2.06E-03	1.84E-05	2.46E-04	3.56E-04
SR	SR-BCLRH-T006	0.89	1.08E+00	6.30E-03	4.74E-03	8.44E-01	1.24E-04	2.95E-01	1.06E-01	1.72E-01	2.67E-02	5.16E-04	--	5.08E-01	4.29E-10	4.73E-07	3.68E-13	6.60E-08	4.83E-04	4.32E-06	5.76E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	8.93E-03	5.20E-05	3.92E-05	6.98E-03	1.03E-06	2.43E-03	8.68E-04	1.42E-03	2.21E-04	4.24E-06	--	4.19E-03	3.53E-12	3.91E-09	3.03E-15	5.45E-10	3.99E-06	3.57E-08	4.75E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	1.07E-01	6.21E-04	4.68E-04	8.34E-02	1.22E-05	2.91E-02	1.04E-02	1.70E-02	2.64E-03	5.07E-05	--	5.00E-02	4.22E-11	4.67E-08	3.63E-14	6.50E-09	4.77E-05	4.26E-07	5.68E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	7.16E-01	4.19E-03	3.15E-03	5.62E-01	8.25E-05	1.96E-01	6.99E-02	1.14E-01	1.76E-02	3.42E-04	--	3.36E-01	2.85E-10	3.15E-07	2.45E-13	4.38E-08	3.22E-04	2.86E-06	3.84E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	4.06E+00	6.88E-02	2.53E-02	3.55E+01	4.66E-03	2.17E-02	1.57E-03	2.53E-02	1.10E-03	1.10E-05	--	1.75E+01	2.08E-08	1.04E-08	7.02E-15	3.02E-06	1.28E-05	4.87E-08	1.14E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	3.87E-02	--	1.32E-04	2.84E-02	1.81E-06	1.01E-02	1.06E-02	5.19E-05	--	--	--	1.40E-02	2.19E-12	2.81E-08	4.42E-19	5.31E-10	2.67E-05	1.36E-09	1.62E-10	--
SR	SR-SWMF-HET-RH	1.78	1.92E-01	9.13E-02	4.69E-02	4.06E-03	9.51E-04	2.69E-01	4.60E-01	1.65E-01	7.03E-03	5.21E-05	3.45E-14	2.78E-03	3.66E-09	2.01E-07	7.67E-15	5.69E-07	2.40E-04	1.39E-06	1.46E-06	2.84E-05
SR	SR-T003-773A-HET	104.06	8.54E+01	4.98E+00	3.38E+00	5.94E+00	4.82E-03	5.97E+01	1.65E+00	4.07E+00	9.95E-02	1.76E-03	1.18E-11	3.83E+00	3.37E-07	3.36E-05	2.06E-12	2.70E-05	4.44E-02	2.36E-05	3.08E-04	9.31E-07
SR	SR-W027-221H-HET-RH	7.12	5.18E-01	--	--	--	1.95E+00	1.55E+02	4.47E-01	2.21E-01	7.22E-03	2.55E-04	--	--	9.30E-06	1.07E-04	1.09E-13	1.30E-03	1.31E-01	9.86E-05	1.49E-05	4.42E-08
SR	SR-W027-SRSG-HET-RH	69.38	5.11E+01	1.90E-04	1.13E-02	7.33E-03	2.94E-03	1.07E+03	5.45E+01	3.26E+01	1.04E+00	5.51E-02	--	7.90E-03	5.16E-09	7.85E-04	5.86E-13	1.04E-06	9.33E-01	8.41E-06	1.52E-04	2.76E-08
Total		7079	3.93E+03	7.72E+00	9.49E+00	8.82E+03	2.63E+00	2.32E+03	2.91E+03	9.80E+02	3.21E+01	1.25E+00	2.34E-06	7.39E+03	4.62E+00	1.44E-02	6.86E-02	5.09E+01	6.18E+00	7.07E-02	2.51E-01	2.96E-01

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	101.78	3.14E+01	1.82E+00	6.54E-08	2.99E-04	1.28E-01	3.28E+00	8.46E+01	6.21E+01	3.61E-03	2.62E-02	8.26E-15	2.40E-04	9.70E-03	3.22E-04	6.74E-12	4.21E-02	1.01E-01	1.53E-03	7.14E-04	4.41E-02
AE	AECHHM-S	13.86	8.02E+00	4.96E-03	--	2.35E-07	3.05E-03	2.28E-01	4.08E+01	1.58E+01	5.60E-09	2.02E-03	--	1.88E-07	3.10E-04	2.20E-05	1.72E-12	4.04E-06	6.89E-03	1.21E-04	1.82E-04	2.69E-03
AE	AE-T001	511.88	1.10E+02	--	--	1.79E-03	2.21E+00	1.96E+00	4.61E+02	2.65E+02	5.78E-06	2.24E-01	--	9.67E-04	1.13E-02	1.39E-04	2.03E-04	3.10E-01	4.33E-02	9.40E-03	3.24E-03	1.63E-01
AE	AE-T003	23.32	2.81E+00	--	--	9.89E-07	1.50E-02	5.24E-02	2.86E+01	1.07E+01	6.37E-07	3.12E-04	--	1.93E-06	3.47E-04	1.07E-06	1.26E-12	9.55E-03	4.15E-04	8.63E-05	1.28E-04	1.67E-03
AE	MU-W002-S	4.5	3.83E+00	1.10E-03	--	2.82E-10	4.50E-03	--	2.24E-02	--	--	--	--	2.26E-10	1.06E-03	3.18E-11	--	6.96E-06	1.86E-08	8.45E-09	--	1.73E-05
AW	AW-N026.82	1.87	--	--	--	1.50E-04	--	--	7.58E-03	--	--	--	--	5.71E-04	--	--	--	--	--	2.93E-09	--	--
AW	AW-N027.531	31.79	6.00E-02	--	--	--	1.04E-05	6.47E+00	1.02E+02	6.01E-01	4.72E-09	7.88E-06	--	--	3.43E-07	1.21E-04	6.77E-14	9.62E-06	4.78E-02	1.05E-04	7.04E-06	2.46E-07
AW	AW-T033.1325	197.65	1.84E+02	1.66E+01	--	--	2.11E+00	4.09E+01	7.04E+02	1.56E+02	1.60E-05	4.64E-02	1.15E-05	--	2.39E-01	2.20E-03	4.29E-06	6.73E+00	7.07E-01	1.52E-02	5.19E-03	8.38E-03
AW	AW-W049	186.13	1.21E+02	--	--	--	2.03E-02	5.37E-01	5.75E+01	3.99E+01	9.11E-06	1.53E-02	--	--	2.23E-07	8.65E-06	4.24E-12	1.83E-05	3.57E-03	1.44E-03	4.54E-04	1.56E-05
BT	BT-T002	18.9	7.67E-03	3.88E-05	1.19E-09	3.26E-03	5.86E-05	4.66E-02	7.30E-04	1.45E-03	2.69E-07	1.17E-05	6.73E-13	2.50E-03	1.69E-09	7.71E-06	5.75E-12	9.62E-08	2.34E-03	2.65E-05	3.02E-04	1.22E-07
FR	FR-MOX-MT02	0.42	9.96E-07	--	--	--	1.79E-10	2.68E-08	2.96E-07	1.72E-07	1.27E-13	4.16E-09	--	--	2.21E-15	5.48E-13	2.04E-20	1.71E-13	2.11E-10	1.17E-13	2.06E-12	2.49E-16
FR	FR-MOX-T01	5.62	1.34E-05	--	--	--	2.42E-09	3.61E-07	4.00E-06	2.32E-06	1.71E-12	5.61E-08	--	--	2.99E-14	7.39E-12	2.75E-19	2.31E-12	2.85E-09	1.57E-12	2.78E-11	3.36E-15
IN	BN004-S	333.77	2.40E+02	--	9.43E-07	4.16E-07	2.12E-01	2.56E+00	1.20E+03	2.64E+02	3.14E-05	2.49E-02	--	5.41E-07	8.46E-03	7.88E-05	2.84E-11	2.43E-01	2.81E-02	2.94E-03	3.02E-03	1.92E-03
IN	BN161-S	58.4	3.36E+01	--	--	--	6.23E-03	5.02E-01	2.31E+02	5.13E+01	5.07E-06	4.30E-03	--	--	7.95E-08	8.34E-06	5.52E-12	6.07E-06	3.41E-03	8.94E-05	5.87E-04	2.46E-10
IN	BN211-S	522.55	3.23E+02	4.94E-06	--	2.30E-10	7.97E-02	4.51E+00	2.04E+03	4.59E+02	4.37E-05	3.99E-02	--	3.00E-10	1.06E-03	8.40E-05	4.93E-11	3.05E-02	3.33E-02	1.39E-03	5.25E-03	4.60E-06
IN	BN243-S	149.97	2.58E+01	--	7.07E-07	2.34E-11	6.95E-03	2.89E-01	1.17E+02	2.56E+01	2.60E-06	2.65E-03	--	3.04E-11	1.23E-07	7.83E-06	2.75E-12	8.22E-06	2.86E-03	2.85E-04	2.92E-04	1.51E-10
IN	BN252-S	178.73	1.40E+02	--	--	7.36E-11	8.48E-02	2.04E+00	1.12E+03	2.35E+02	3.08E-05	2.65E-02	--	8.99E-11	2.03E-06	3.53E-05	2.52E-11	1.22E-04	1.43E-02	6.56E-04	2.68E-03	1.51E-09
IN	BN296-S	474.38	4.27E+02	--	6.71E-07	1.53E-09	1.11E-01	4.37E+00	1.76E+03	3.80E+02	3.68E-05	3.99E-02	--	2.12E-09	1.98E-04	7.52E-05	4.09E-11	5.76E-03	3.05E-02	1.00E+00	4.35E-03	6.75E-04
IN	BN304-S	304.57	3.41E+01	--	--	6.98E-08	8.13E-03	7.89E+02	3.01E+01	2.21E+01	3.44E-06	1.94E-02	--	1.09E-07	1.33E-07	1.30E-02	2.37E-12	9.12E-06	5.32E+00	5.45E-05	2.52E-04	2.39E-02
IN	BN510-S	4064.78	9.88E+02	--	--	7.98E-08	2.26E-01	3.33E+01	6.10E+03	1.28E+03	1.39E-04	1.19E-01	--	1.02E-07	6.03E-04	4.01E-03	1.37E-10	1.75E-02	1.25E+00	1.01E+00	1.46E-02	2.58E-02
IN	BN835-S	1028.34	2.31E+01	--	--	1.50E-08	1.02E-02	8.82E+01	3.36E+00	2.09E+00	5.24E-07	2.20E-03	--	2.02E-08	2.24E-07	1.45E-03	2.25E-13	1.39E-05	5.95E-01	1.39E-06	2.39E-05	2.14E-04
IN	BN836-S	1669.29	1.43E+00	--	--	5.79E-08	2.42E-03	9.15E+01	2.68E+00	1.78E+00	1.21E-07	2.12E-03	--	7.33E-08	6.51E-08	1.49E-03	1.90E-13	3.79E-06	6.13E-01	3.37E-05	2.03E-05	1.34E-05
IN	BNINW216-S	4466.68	1.65E+04	--	--	1.52E-08	3.10E+00	8.99E+00	1.70E+03	4.18E+02	6.75E-05	2.29E-01	--	1.90E-08	4.03E-05	7.50E-04	4.49E-11	3.05E-03	2.39E-01	3.22E-02	4.78E-03	1.81E+00
IN	BNINW218-S	449.19	2.50E+01	--	--	1.72E-09	2.65E-01	1.17E-01	4.44E+01	8.87E+00	1.22E-06	1.35E-03	--	2.16E-09	7.62E-06	5.91E-05	9.58E-13	4.35E-04	1.77E-02	1.80E-03	1.02E-04	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	9.88E-02	--	--	--	1.84E-05	1.26E-03	7.24E-01	1.62E-01	1.44E-08	1.34E-05	--	--	2.37E-10	2.07E-08	1.74E-14	1.80E-08	8.48E-06	2.71E-07	1.85E-06	7.67E-13
IN	ID-RF-S3114-S	274.41	9.80E+00	--	--	7.88E-10	1.93E-03	7.93E-02	3.79E+01	7.99E+00	1.05E-06	8.00E-04	--	9.93E-10	2.64E-08	6.05E-06	8.54E-13	1.95E-06	1.94E-03	5.30E-05	9.11E-05	2.77E-03
IN	ID-RF-S3150-A-S	201.71	2.64E+01	--	--	2.98E-09	6.15E-03	3.60E-01	1.51E+02	3.22E+01	4.44E-06	2.83E-03	--	3.91E-09	9.88E-08	1.92E-03	3.46E-12	6.84E-06	5.65E-01	1.54E-04	3.68E-04	1.84E-04
IN	ID-RF-S5100-A-S	615.72	9.16E+01	--	--	2.27E-09	1.68E-02	9.95E-01	5.78E+02	1.18E+02	1.02E-05	1.05E-02	--	2.65E-09	3.62E-05	2.32E-05	1.27E-11	1.05E-03	8.71E-03	2.70E-04	1.35E-03	4.50E-06
IN	ID-RF-S5126-S	231.85	1.13E+02	--	--	1.65E-04	2.16E-02	1.57E+00	8.33E+02	1.88E+02	2.04E-05	1.79E-02	--	2.56E-09	7.57E-03	8.20E-05	2.01E-11	2.18E-01	2.72E-02	3.24E-04	2.15E-03	1.59E-03
IN	ID-RF-S5300-A-S	2091.87	5.05E+01	1.65E-08	2.87E-07	3.13E-09	1.22E-02	3.70E-01	2.15E+02	4.69E+01	4.59E-06	5.13E-02	--	3.36E-09	1.03E-02	8.23E-05	5.01E-12	2.96E-01	2.50E-02	6.72E-04	5.35E-04	8.55E-04
IN	ID-SDA-DEBRIS-S	33.49	1.92E+01	--	--	1.12E-09	3.58E-03	2.64E-01	1.11E+02	2.46E+01	1.88E-06	2.29E-03	--	1.03E-09	1.81E-04	2.36E-05	2.63E-12	5.20E-03	7.47E-03	1.92E-04	2.81E-04	2.07E-03
IN	IN-BN004	647.51	3.37E+02	--	--	5.87E-07	2.68E-01	3.62E+00	1.70E+03	3.73E+02	4.89E-05	3.48E-02	--	4.98E-07	6.66E-06	1.00E-04	3.96E-11	3.97E-04	3.64E-02	4.06E-03	4.24E-03	2.62E-05
IN	IN-BN222	265.5	1.03E+02	--	--	--	1.75E-02	1.04E+00	6.33E+02	1.37E+02	1.96E-05	1.57E-02	--	--	1.24E-02	4.58E-05	1.50E-11	3.52E-01	1.56E-02	1.22E-03	1.58E-03	2.63E-01
IN	IN-BN311	12.27	7.40E+01	--	--	--	1.26E-02	6.00E-01	3.75E+02	8.10E+01	1.23E-05	1.06E-02	--	--	1.69E-02	1.29E-05	8.84E-12	4.81E-01	4.94E-03	2.71E-04	9.33E-04	4.79E-03
IN	IN-BN409	16.43	7.26E+02	--	--	--	1.24E-01	2.41E+00	1.10E+03	2.45E+02	2.97E-05	1.87E-02	--	--	1.40E-06	4.12E-05	2.67E-11	1.13E-04	1.67E-02	4.16E-04	2.82E-03	1.08E-09
IN	IN-BN421	30.78	8.47E+01	--	--	--	1.44E-02	1.76E+00	6.42E+02	1.43E+02	1.73E-05	1.36E-02	--	--	9.10E-04	4.25E-05	1.56E-11	2.59E-02	1.58E-02	1.02E-03	1.64E-03	2.13E-03
IN	IN-BN432	67.39	9.17E+01	--	--	--	1.56E-02	9.00E-01	5.60E+02	1.22E+02	1.83E-05	1.56E-02	--	--	8.04E-03	1.82E-05	1.33E-11	2.29E-01	7.05E-03	4.05E-04	1.40E-03	6.94E-04
IN	IN-BN510	11223.71	2.47E+03	--	--	1.80E-07	5.07E-01	7.94E+01	1.54E+04	3.22E+03	3.62E-04	2.92E-01	--	1.52E-07	7.22E-06	1.44E-03	3.43E-10	5.26E-04	5.77E-01	2.12E-02	3.67E-02	6.27E-02
IN	IN-BN835	111.97	1.59E+00	--	--	1.20E-09	7.67E-04	7.18E+00	2.61E-01	1.61E-01	9.77E-09	1.62E-04	--	1.01E-09	1.72E-08	1.16E-04	1.72E-14	1.06E-06	4.77E-02	1.07E-07	1.84E-06	1.65E-05
IN	IN-BN836	240.6	4.61E-02	--	--	5.80E-09	2.18E-04	2.13E+00	6.16E-02	4.09E-02	7.76E-10	4.88E-05	--	4.93E-09	6.09E-09	3.44E-05	4.35E-15	3.51E-07	1.42E-02	3.15E-06	4.65E-07	1.26E-06
IN	IN-BNINW216	5484.89	1.38E+04	--	--	1.25E-08	2.59E+00	6.61E+00	1.42E+03	3.38E+02	5.89E-05	1.12E-01	--	1.05E-08	3.33E-05	5.33E-04	3.60E-11	2.53E-03	1.71E-01	2.68E-02	3.85E-03	6.80E-01

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	IN-BNINW218	573.03	2.16E+01	--	--	1.48E-09	1.30E-01	8.49E-02	3.80E+01	7.43E+00	1.18E-06	1.07E-03	--	1.26E-09	3.65E-06	4.32E-05	7.90E-13	2.11E-04	1.30E-02	1.54E-03	8.45E-05	1.22E-01
IN	IN-GEM-01	7.28	1.82E+00	--	--	--	3.08E-04	1.77E-03	1.57E+00	3.50E-01	2.23E-08	1.87E-05	--	--	3.47E-09	2.97E-08	3.80E-14	2.81E-07	1.21E-05	5.91E-07	4.02E-06	1.07E-12
IN	IN-GEM-02	5.41	1.35E+00	--	--	--	2.29E-04	1.31E-03	1.17E+00	2.60E-01	1.66E-08	1.39E-05	--	--	2.58E-09	2.21E-08	2.82E-14	2.09E-07	9.00E-06	4.39E-07	2.99E-06	7.97E-13
IN	IN-ID-RF-S3114	3800.07	1.29E+02	--	--	1.06E-08	2.53E-02	1.05E+00	4.96E+02	1.05E+02	1.44E-05	1.05E-02	--	1.33E-08	3.44E-07	7.90E-05	1.11E-11	2.55E-05	2.54E-02	6.94E-04	1.19E-03	3.63E-02
IN	IN-ID-RF-S3150-A	56.13	7.32E+00	--	--	8.63E-10	1.70E-03	1.01E-01	4.17E+01	8.90E+00	1.35E-06	7.85E-04	--	1.14E-09	2.70E-08	5.28E-04	9.46E-13	1.88E-06	1.57E-01	4.27E-05	1.01E-04	5.10E-05
IN	IN-ID-RF-S5100-A	161.53	2.31E+01	--	--	5.94E-10	4.20E-03	2.54E-01	1.45E+02	2.96E+01	2.83E-06	2.66E-03	--	6.98E-10	9.00E-06	5.77E-06	3.15E-12	2.62E-04	2.18E-03	6.75E-05	3.37E-04	1.13E-06
IN	IN-ID-RF-S5126-A	180.57	8.48E+01	--	--	1.26E-04	1.61E-02	1.19E+00	6.23E+02	1.41E+02	1.60E-05	1.34E-02	--	1.96E-09	5.65E-03	6.12E-05	1.50E-11	1.63E-01	2.03E-02	2.42E-04	1.60E-03	1.19E-03
IN	IN-ID-RF-S5300-A	9123.66	3.23E+02	6.79E-08	1.23E-06	1.32E-08	6.94E-02	1.53E+00	8.81E+02	1.93E+02	1.04E-04	2.11E-01	--	1.41E-08	4.23E-02	3.36E-04	2.05E-11	1.22E+00	1.02E-01	2.76E-03	2.19E-03	3.51E-03
IN	IN-ID-SDA-Debris	2302.4	1.12E+03	5.33E+00	--	7.92E-08	2.08E-01	1.33E+01	6.24E+03	1.38E+03	1.09E-04	3.75E-01	--	6.99E-08	6.39E-03	8.29E-03	2.34E-09	1.85E-01	2.48E+00	8.61E-03	1.34E-01	1.06E-01
IN	IN-ID-SDA-Sludge	4554.58	1.40E+04	1.06E+01	--	9.60E-08	2.71E+00	4.72E+00	2.44E+03	5.34E+02	7.28E-05	9.01E-02	--	8.16E-08	4.31E-03	3.52E-03	4.40E-09	1.26E-01	1.05E+00	2.64E-02	2.40E-01	2.45E+00
IN	IN-ID-SDA-Soil	665.18	3.36E+02	1.54E+00	--	8.77E-08	6.41E-02	8.84E-01	4.35E+02	9.59E+01	9.53E-06	1.46E-02	--	7.55E-08	8.42E-07	3.96E-04	1.12E-06	6.35E-05	1.19E-01	1.08E-01	3.52E-02	2.19E-01
IN	INW161.001-S	19.14	1.96E+01	--	--	--	3.34E-03	2.71E-01	1.55E+02	3.42E+01	4.30E-06	3.52E-03	--	--	3.78E-08	5.65E-06	3.73E-12	3.05E-06	2.18E-03	1.46E-04	3.94E-04	5.56E-06
IN	IN-W163.1007	9.21	5.25E+00	--	--	--	9.36E-04	1.12E-01	6.89E+01	1.47E+01	1.66E-06	3.39E-03	--	--	1.14E-08	2.21E-06	1.72E-12	8.87E-07	8.62E-04	2.69E-05	1.76E-04	2.01E-10
IN	INW169.001-S	19.14	3.36E+00	--	--	--	5.73E-04	3.37E-02	1.95E+01	4.22E+00	5.99E-07	5.91E-04	--	--	6.48E-09	1.59E-06	4.61E-13	5.23E-07	5.30E-04	7.96E-05	4.87E-05	4.37E-06
IN	IN-W181.162	76.23	2.87E+00	--	--	--	5.10E-04	4.07E-02	2.56E+01	5.63E+00	9.05E-07	4.22E-04	--	--	6.20E-09	8.05E-07	6.58E-13	4.84E-07	3.14E-04	9.98E-06	6.72E-05	2.51E-11
IN	IN-W188.160	141.57	5.27E+00	--	--	--	9.39E-04	1.12E-01	6.91E+01	1.48E+01	1.67E-06	2.84E-03	--	--	1.14E-08	2.22E-06	1.73E-12	8.90E-07	8.64E-04	2.70E-05	1.77E-04	1.69E-10
IN	INW198.001-S	49.09	4.77E+00	--	--	--	8.11E-04	6.08E-02	3.74E+01	8.11E+00	1.05E-06	8.87E-04	--	--	9.13E-06	1.52E-06	8.86E-13	2.60E-04	5.62E-04	4.97E-05	9.35E-05	5.90E-05
IN	INW211.001-S	303.92	5.84E+02	--	--	--	9.94E-02	6.76E+00	3.60E+03	7.79E+02	1.28E-04	1.40E-01	--	--	4.56E-04	1.28E-04	8.51E-11	1.30E-02	5.05E-02	2.30E-03	8.98E-03	1.47E-03
IN	INW216.001-S	1245.06	3.13E+04	--	--	--	5.35E+00	5.71E+00	3.23E+03	7.03E+02	1.07E-04	1.18E-01	--	--	1.24E-03	2.23E-03	7.72E-11	3.83E-02	6.64E-01	1.04E-01	8.13E-03	3.89E+00
IN	INW218.001-S	1110.87	4.75E+02	--	--	--	8.11E-02	8.51E-01	4.92E+02	1.07E+02	1.61E-05	1.70E-02	--	--	3.93E-04	3.20E-03	1.17E-11	1.12E-02	9.39E-01	1.02E-01	1.24E-03	8.74E+00
IN	INW222.001-S	65.1	4.11E+01	--	--	--	7.00E-03	5.06E-01	2.81E+02	6.13E+01	8.59E-06	7.39E-03	--	--	7.92E-08	1.16E-05	6.70E-12	6.39E-06	4.37E-03	2.10E-04	7.07E-04	7.02E-03
IN	INW243.001-S	74.88	5.12E+01	--	--	--	8.75E-03	5.22E-01	2.34E+02	5.09E+01	7.55E-06	6.81E-03	--	--	8.71E-05	1.53E-05	5.58E-12	2.48E-03	5.48E-03	5.36E-04	5.88E-04	3.17E-04
IN	INW247.001R1-S	116.9	6.66E+01	--	--	--	1.14E-02	1.24E+00	4.11E+02	9.10E+01	1.38E-05	7.91E-03	--	--	2.65E-04	2.15E-05	9.99E-12	7.54E-03	8.70E-03	1.62E-04	1.05E-03	4.56E-10
IN	INW252.001-S	60.94	4.87E+01	--	--	--	8.30E-03	6.13E-01	2.98E+02	6.58E+01	1.39E-05	6.81E-03	--	--	9.38E-08	1.31E-05	7.18E-12	7.58E-06	5.01E-03	3.38E-04	7.58E-04	3.91E-10
IN	IN-W263.520	265.86	4.81E-02	--	--	--	8.57E-06	1.73E+01	1.78E+01	2.75E-02	1.52E-08	2.51E-05	--	--	1.04E-10	3.42E-04	3.22E-15	8.12E-09	1.33E-01	6.98E-06	3.28E-07	1.49E-12
IN	INW276.001-S	10.19	4.49E+00	--	--	--	7.78E-04	1.17E-01	3.14E+01	6.96E+00	1.07E-06	6.54E-04	--	--	9.05E-09	2.12E-06	7.81E-13	7.21E-07	8.45E-04	1.23E-05	8.14E-05	3.81E-11
IN	INW276.002-S	16.02	7.07E+00	--	--	--	1.22E-03	1.77E-01	4.72E+01	1.04E+01	1.67E-06	9.81E-04	--	--	2.59E-05	3.17E-06	1.16E-12	7.30E-04	1.27E-03	1.88E-05	1.22E-04	5.70E-11
IN	INW276.003-S	186.58	2.69E+02	--	--	--	4.61E-02	6.56E+00	1.71E+03	3.78E+02	6.76E-05	3.65E-02	--	--	1.84E-03	1.15E-04	4.17E-11	5.21E-02	4.63E-02	6.88E-04	4.38E-03	1.12E-06
IN	INW276.004-S	46.8	6.23E+01	--	--	--	1.07E-02	1.37E+00	3.63E+02	8.04E+01	1.42E-05	7.64E-03	--	--	1.60E-03	2.44E-05	8.87E-12	4.53E-02	9.78E-03	1.66E-04	9.31E-04	4.42E-10
IN	INW296.001-S	97.76	1.08E+02	--	--	--	1.84E-02	1.46E+00	5.08E+02	1.12E+02	1.72E-05	1.10E-02	--	--	3.57E-04	2.75E-05	1.23E-11	1.01E-02	1.09E-02	3.44E-04	1.29E-03	3.96E-04
IN	IN-W315.601	6.92	2.39E+02	--	--	--	4.25E-02	8.96E-03	5.64E+00	1.24E+00	1.99E-07	9.26E-05	--	--	5.17E-07	1.77E-07	1.45E-13	4.03E-05	6.90E-05	2.20E-06	1.48E-05	5.51E-12
IN	IN-W319.584	4.5	1.71E+00	--	--	--	3.04E-04	3.64E-02	2.23E+01	4.79E+00	5.40E-07	1.31E-03	--	--	3.70E-09	7.21E-07	5.60E-13	2.88E-07	2.81E-04	8.73E-06	5.72E-05	7.81E-11
IN	IN-W321.1023	10.89	1.50E+01	--	--	--	2.66E-03	3.18E-01	1.96E+02	4.20E+01	4.73E-06	6.42E-03	--	--	3.24E-08	6.30E-06	4.91E-12	2.53E-06	2.45E-03	7.66E-05	5.01E-04	3.82E-10
IN	IN-W357.1022	4.5	5.36E-02	--	--	--	9.54E-06	1.14E-03	6.99E-01	1.50E-01	1.69E-08	3.21E-05	--	--	1.16E-10	2.25E-08	1.75E-14	9.04E-09	8.77E-06	2.73E-07	1.79E-06	1.91E-12
IN	IN-W375.1096	189.63	1.32E+00	--	--	--	2.35E-04	2.81E-02	1.73E+01	3.71E+00	4.18E-07	7.01E-04	--	--	2.86E-09	5.56E-07	4.34E-13	2.23E-07	2.17E-04	6.77E-06	4.43E-05	4.17E-11
KN	KN-B234TRU	837.93	1.19E+02	--	--	--	2.02E-02	1.12E+00	6.71E+02	6.52E+02	1.09E-05	--	--	--	8.52E-02	3.84E-01	1.26E-01	2.43E+00	2.43E+00	4.61E-01	4.68E-01	5.95E-02
LA	LA-CIN01.001	516.07	1.27E+04	3.84E-01	--	9.94E-11	2.33E+00	5.15E+01	8.47E+03	2.22E+03	1.64E-04	3.11E+00	2.46E-06	7.51E-11	3.61E-03	1.95E-03	2.30E-03	9.85E-02	6.54E-01	1.29E-02	2.75E-02	3.37E-01
LA	LA-CIN02.001	427.19	3.36E+02	2.52E-03	--	1.80E-05	6.85E-02	3.38E+00	7.31E+02	4.05E+01	1.46E-06	9.09E-03	--	3.55E-07	7.44E-04	1.43E-04	4.98E-12	2.00E-02	4.71E-02	3.23E-03	4.95E-04	3.28E-05
LA	LA-LAMHD03DD	3.78	2.40E-03	--	--	--	4.06E-07	3.34E-03	3.49E-02	--	1.00E-09	--	--	--	4.57E-12	5.63E-08	--	3.70E-10	2.29E-05	1.32E-08	--	--
LA	LA-LAMIN02V.001	27.29	7.88E+00	--	--	--	1.33E-03	1.00E-01	6.76E+01	1.56E+01	2.80E-06	9.16E-04	--	--	1.49E-08	1.67E-06	1.68E-12	1.21E-06	6.81E-04	2.54E-05	1.78E-04	5.24E-11
LA	LA-LAMIN04S	203.85	6.71E+02	--	--	--	1.13E-01	4.10E+00	1.94E+03	4.86E+02	9.98E-05	2.27E-01	1.02E-07	--	1.27E-06	6.83E-05	5.25E-11	1.03E-04	2.79E-02	7.29E-04	5.57E-03	1.30E-08
LA	LA-LA-NCD01	261.55	3.70E+00	--	--	--	6.28E-04	4.67E-02	3.18E+01	7.33E+00	1.26E-06	4.31E-04	--	--	7.06E-09	7.88E-07	7.97E-13	5.72E-07	3.21E-04	1.20E-05	8.43E-05	2.47E-11

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-LANHD01	161.34	2.57E+00	--	--	--	4.62E-04	2.94E-02	2.27E+01	5.22E+00	4.15E-07	3.08E-04	--	--	5.67E-09	5.95E-07	6.17E-13	4.40E-07	2.30E-04	8.91E-06	6.26E-05	1.84E-11
LA	LA-LANHD02238	1343.98	1.09E+00	--	--	--	1.92E-04	9.44E+01	1.15E+00	5.33E-01	2.72E-07	4.33E-04	--	--	2.28E-09	1.78E-03	6.10E-14	1.80E-07	7.04E-01	4.46E-07	6.29E-06	2.55E-11
LA	LA-LANIN03NC	701.76	1.38E+03	3.99E-01	--	--	3.56E-01	2.22E+02	6.08E+03	1.49E+03	2.93E-04	1.25E-01	--	--	6.16E-06	3.70E-03	1.61E-10	4.14E-04	1.51E+00	2.29E-03	1.71E-02	7.16E-09
LA	LA-MHD01.001	2520.53	3.44E+03	2.95E-01	8.86E-07	9.46E-08	8.02E-01	1.55E+03	2.14E+04	5.47E+03	1.22E-03	3.12E+01	8.38E-06	6.95E-08	1.27E-02	4.81E-02	6.77E-10	3.43E-01	1.68E+01	1.62E-02	6.71E-02	3.95E-02
LA	LA-MHD01.001-S	1106.52	2.75E+03	8.80E-01	2.48E-06	2.19E-07	6.65E-01	9.34E+02	1.09E+04	2.83E+03	9.28E-04	2.04E+00	--	1.27E-04	2.08E-02	3.35E-02	4.52E-06	5.99E-01	9.16E+00	8.06E-03	3.23E-02	5.96E-03
LA	LA-MHD02.001-S	13.52	1.10E+00	3.87E-05	--	4.02E-10	2.68E-04	9.07E+01	1.37E+00	6.74E-01	8.53E-05	7.17E-04	--	3.09E-10	9.31E-08	2.60E-03	7.20E-14	2.85E-06	9.38E-01	1.15E-06	7.69E-06	4.08E-11
LA	LA-MHD03.001	596.95	1.03E+02	6.16E-02	3.27E-05	2.96E-06	1.03E-01	7.28E+01	5.25E+02	1.24E+02	5.29E-05	1.49E-01	1.29E-07	2.24E-05	4.86E-04	2.28E-03	1.10E-08	1.32E-02	7.94E-01	6.92E-03	1.61E-03	1.40E-03
LA	LA-MHD03.001-S	192.02	3.18E+01	2.26E-02	1.48E-07	7.42E-07	1.87E-02	3.65E+01	1.24E+02	3.29E+01	4.04E-05	1.47E-02	--	5.67E-07	4.94E-04	9.15E-04	3.51E-12	1.42E-02	3.39E-01	1.55E-04	3.75E-04	1.88E-04
LA	LA-MHD04.001	8.75	5.74E-01	7.66E-05	--	1.11E-11	2.51E-04	4.23E+01	1.05E+00	5.28E-01	3.19E-08	6.67E-04	--	8.37E-12	6.26E-09	1.13E-03	6.65E-14	3.62E-07	4.07E-01	4.25E-07	6.54E-06	4.12E-11
LA	LA-MIN03-NC.001	1105.1	1.84E+02	7.07E-03	--	2.45E-06	3.22E-02	2.86E+00	4.07E+02	1.68E+01	4.05E-06	2.08E-03	--	1.87E-06	6.12E-05	1.47E-04	1.80E-12	1.01E-03	4.84E-02	9.76E-04	1.92E-04	6.39E-04
LA	LA-MIN03-NC.001-S	367.04	1.00E+02	5.30E-04	--	7.27E-06	1.89E-02	4.01E-01	1.38E+02	1.96E+01	4.73E-06	1.64E-02	--	4.61E-06	2.54E-07	4.91E-05	2.09E-12	1.89E-05	1.53E-02	3.73E-04	2.23E-04	1.76E-04
LA	LA-OS-00-01.001	206.96	7.57E+03	4.02E-04	--	6.39E-04	1.30E+00	4.41E+02	6.59E+02	1.78E+02	4.77E-06	4.21E-02	3.93E-08	3.95E-08	1.48E-05	7.86E-03	1.96E-11	1.19E-03	3.15E+00	2.50E-04	2.06E-03	4.88E-09
LA	LA-OS-00-01.001-S	82.58	4.10E+02	--	--	2.57E-05	6.88E-02	3.44E+02	6.89E+02	2.01E+02	9.32E-06	5.68E-02	--	2.40E-04	7.72E-07	7.53E-03	2.14E-11	6.25E-05	2.87E+00	2.87E-04	2.29E-03	9.87E-07
LA	LA-OS-00-01-S	0.42	1.54E+00	--	--	4.33E-08	2.74E-04	8.89E-02	4.73E+00	4.67E+00	7.70E-08	9.64E-05	--	3.12E-08	3.32E-09	9.30E-02	5.10E-13	2.60E-07	6.15E-04	1.79E-06	5.39E-05	5.54E-12
LA	LA-OS-00-03	57.82	1.39E+01	--	--	--	2.39E-03	--	--	--	--	--	--	--	2.73E-08	--	--	2.19E-06	--	--	--	--
LA	LA-PX-00-01	0.62	7.29E-03	--	--	--	1.27E-06	2.44E-04	5.51E-02	1.26E-02	1.09E-09	--	--	--	1.48E-11	4.45E-09	1.42E-15	1.18E-09	1.77E-06	2.11E-08	1.47E-07	--
LA	LA-TA-00-01	195.7	2.02E+01	7.98E-03	1.30E-05	6.49E-11	9.21E-03	2.12E+01	1.04E+02	1.95E+01	2.18E-04	1.05E-01	1.07E-04	4.87E-11	4.65E-05	5.13E-04	1.11E-07	1.23E-03	1.89E-01	4.25E-05	2.43E-04	7.69E-05
LA	LA-TA-03-01	0.21	2.95E-02	--	--	--	1.17E-05	2.65E-04	1.83E-01	4.23E-02	6.58E-09	2.48E-06	--	--	2.53E-10	4.57E-09	4.64E-15	1.57E-08	1.85E-06	6.95E-08	4.88E-07	1.43E-13
LA	LA-TA-03-09	8.18	7.23E-01	4.50E-03	--	--	2.05E-04	3.16E-03	1.03E-01	2.37E-02	3.05E-09	1.40E-06	--	--	3.85E-09	5.71E-08	2.66E-15	2.50E-07	2.28E-05	3.94E-08	2.77E-07	1.20E-05
LA	LA-TA-03-10	276.87	3.15E+00	1.56E-04	--	9.67E-10	1.52E-03	5.96E-02	2.38E+01	5.47E+00	8.13E-07	3.31E-04	--	7.41E-10	3.51E-08	6.35E-06	6.04E-13	2.12E-06	1.96E-03	6.97E-05	6.34E-05	5.60E-05
LA	LA-TA-03-12	0.21	1.20E-02	--	--	--	2.26E-06	2.15E-04	1.87E-01	4.25E-02	1.64E-09	2.56E-06	--	--	3.03E-11	5.22E-09	5.44E-15	2.26E-09	1.92E-06	7.66E-08	5.31E-07	1.59E-13
LA	LA-TA-03-14	15.12	--	--	--	--	--	1.41E-01	9.25E-01	--	--	--	--	--	--	3.42E-06	--	--	1.26E-03	1.10E-04	--	--
LA	LA-TA-03-20	1.87	2.98E-01	--	--	--	8.07E-05	2.01E+01	3.71E-01	1.71E-01	1.01E-08	1.71E-04	--	--	1.56E-09	6.58E-04	2.13E-14	9.90E-08	2.26E-01	1.49E-07	2.11E-06	1.05E-11
LA	LA-TA-03-28	6.03	3.14E-01	--	--	--	5.88E-05	1.45E-01	4.01E+00	7.38E-01	4.28E-08	1.07E-04	--	--	7.75E-10	3.39E-06	9.31E-14	5.81E-08	1.26E-03	1.64E-06	9.14E-06	6.60E-12
LA	LA-TA-03-29	0.42	4.95E-02	--	--	--	9.05E-06	9.46E+00	1.12E-01	4.27E-02	1.08E-08	3.19E-05	--	--	1.15E-10	2.05E-04	5.19E-15	8.77E-09	7.79E-02	4.48E-08	5.19E-07	1.93E-12
LA	LA-TA-03-30	7.77	4.98E-02	1.41E-06	--	1.09E-09	1.06E-05	3.52E-03	5.26E-02	1.62E-02	7.60E-10	9.71E-07	--	--	1.65E-10	8.24E-08	2.04E-15	1.14E-08	3.07E-05	3.69E-07	2.01E-07	6.00E-14
LA	LA-TA-03-31	0.21	7.67E-02	--	--	--	1.39E-05	1.51E-03	1.17E+00	2.67E-01	2.01E-08	1.60E-05	--	--	1.72E-10	3.12E-08	3.18E-14	1.33E-08	1.20E-05	4.64E-07	3.21E-06	9.64E-13
LA	LA-TA-03-33	2.1	1.49E-04	--	--	1.61E-10	1.85E-04	--	--	--	--	--	--	--	6.26E-09	2.57E-11	--	3.29E-07	1.39E-08	--	--	1.20E-05
LA	LA-TA-03-34	20.79	8.95E-03	--	--	2.17E-11	1.57E-06	1.53E-01	3.80E-02	4.13E-03	4.00E-10	2.48E-07	--	--	1.85E-11	2.85E-06	4.70E-16	1.46E-09	1.13E-03	2.67E-06	4.86E-08	6.16E-06
LA	LA-TA-03-40	17.01	--	--	--	--	--	2.86E-02	7.48E+00	--	--	--	--	--	--	6.27E-07	--	--	2.37E-04	3.38E-05	--	--
LA	LA-TA-03-42	56.7	2.18E-03	--	--	--	4.01E-07	6.30E-03	5.95E-01	7.63E-03	4.31E-10	4.59E-07	--	--	5.14E-12	1.40E-07	9.38E-16	3.90E-10	5.27E-05	2.38E-07	9.34E-08	2.80E-14
LA	LA-TA-21-05	0.42	7.04E-02	--	--	--	1.32E-05	1.28E-03	1.04E+00	2.41E-01	1.06E-08	1.68E-05	--	--	1.75E-10	3.05E-08	3.05E-14	1.31E-08	1.13E-05	2.02E-05	2.99E-06	1.04E-12
LA	LA-TA-21-06	233.79	2.50E+01	4.57E-06	--	--	4.71E-03	7.21E+02	2.01E+02	5.92E+01	3.73E-06	1.12E-02	--	--	6.26E-08	1.72E-02	7.50E-12	4.68E-06	6.38E+00	1.01E-03	7.35E-04	6.96E-10
LA	LA-TA-21-07	299.21	1.18E+01	5.07E-10	--	--	2.24E-03	5.42E+02	2.02E+02	3.77E+01	1.61E-06	3.40E-03	--	--	2.99E-08	1.31E-02	4.82E-12	2.23E-06	4.84E+00	1.13E-04	4.70E-04	2.01E-03
LA	LA-TA-21-08	2.91	2.79E-01	--	--	--	5.25E-05	4.60E+00	2.64E+00	7.22E-01	4.19E-08	1.12E-04	--	--	6.95E-10	1.09E-04	9.15E-14	5.20E-08	4.05E-02	1.07E-06	8.97E-06	6.92E-12
LA	LA-TA-21-09	2.5	2.28E-02	--	--	--	4.28E-06	7.57E+01	3.55E-01	8.05E-02	3.41E-09	4.85E-06	--	--	5.66E-11	1.79E-03	1.02E-14	4.24E-09	6.65E-01	1.44E-07	1.00E-06	3.00E-13
LA	LA-TA-21-10	1.89	--	--	--	--	--	--	5.03E-01	--	--	--	--	--	--	--	--	--	--	2.03E-07	--	--
LA	LA-TA-21-11	13.23	--	--	--	--	--	2.65E-02	2.09E+01	--	--	--	--	--	--	6.34E-07	--	--	2.35E-04	8.53E-06	--	--
LA	LA-TA-21-12	163.32	4.60E+01	--	--	--	8.61E-03	2.26E+03	2.73E+02	8.74E+01	6.72E-06	2.28E-02	--	--	1.57E+00	5.29E-02	1.10E-11	4.17E+01	1.97E+01	2.17E-03	1.08E-03	1.41E-09
LA	LA-TA-21-13	1766.36	7.04E+03	--	--	--	1.33E+00	9.24E+00	1.22E+02	--	--	--	--	--	1.78E-05	2.47E-04	1.10E-04	1.33E-03	8.89E-02	2.40E-02	--	1.12E-02
LA	LA-TA-21-14	55.15	--	--	--	--	--	--	9.20E+00	--	--	--	--	--	--	--	--	--	--	3.70E-06	--	--
LA	LA-TA-21-15	3.74	2.22E-01	--	--	--	4.16E-05	4.07E-03	4.68E+00	7.84E-01	3.49E-08	4.72E-05	--	--	5.47E-10	9.54E-08	9.89E-14	4.11E-08	3.55E-05	1.90E-06	9.72E-06	2.92E-12

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-21-16	79.87	4.47E+01	--	--	--	8.37E-03	1.06E+00	6.27E+02	1.45E+02	6.98E-06	1.24E-02	--	--	1.10E-07	2.48E-05	1.83E-11	8.26E-06	9.24E-03	3.55E-03	1.80E-03	7.66E-10
LA	LA-TA-21-17	0.62	1.66E-03	--	--	--	3.12E-07	3.02E-05	2.59E-02	5.88E-03	2.49E-10	3.54E-07	--	--	4.13E-12	7.17E-10	7.45E-16	3.09E-10	2.66E-07	1.05E-08	7.30E-08	2.19E-14
LA	LA-TA-21-40	664.64	3.33E-01	--	--	9.18E-11	7.43E-05	6.91E+01	3.31E+02	8.52E-01	2.02E-08	5.14E-05	1.75E-04	4.47E-10	1.94E-07	1.53E-03	1.05E-13	5.25E-06	5.78E-01	1.33E-04	1.04E-05	1.36E-06
LA	LA-TA-21-41	15.12	--	--	--	--	--	--	1.81E+01	--	--	--	--	--	--	--	--	--	--	7.24E-06	--	--
LA	LA-TA-21-42	62.37	4.31E+00	--	--	--	9.26E-04	2.30E-01	2.09E+01	--	2.00E-07	--	--	--	1.45E-08	5.10E-06	--	1.01E-06	1.93E-03	5.04E-05	--	--
LA	LA-TA-48-01	8.32	1.48E-01	2.01E-05	--	8.09E-08	1.44E-04	2.51E-02	6.03E-01	1.47E-01	2.35E-08	4.28E-06	--	--	2.85E-04	4.94E-07	1.61E-14	8.12E-03	1.93E-04	2.28E-07	1.69E-06	2.46E-13
LA	LA-TA-50-01	1.89	8.79E-03	6.91E-06	--	2.00E-07	1.50E-06	1.12E-05	8.59E-04	--	--	--	--	--	1.71E-11	6.33E-07	--	1.38E-09	1.85E-04	3.41E-06	--	--
LA	LA-TA-50-02	0.62	1.74E-02	--	--	4.84E-11	3.20E-06	1.77E-02	3.45E-02	--	2.47E-09	--	--	--	4.08E-11	3.06E-07	--	3.11E-09	1.24E-04	3.36E-07	--	--
LA	LA-TA-50-05	0.21	9.97E-03	--	--	--	1.70E-06	1.63E-03	1.48E-01	3.84E-03	4.33E-10	--	--	--	1.92E-11	2.77E-08	4.20E-16	1.55E-09	1.13E-05	5.90E-08	4.43E-08	--
LA	LA-TA-50-06	3.55	6.80E+00	--	--	--	1.21E-03	1.59E-01	3.62E+00	2.09E+00	7.10E-07	3.02E-03	--	--	1.46E-08	3.10E-06	2.43E-13	1.14E-06	1.21E-03	1.41E-06	2.49E-05	1.79E-10
LA	LA-TA-50-10	3.95	1.19E+01	--	--	--	2.06E-03	9.30E+00	9.97E+01	2.32E+01	3.06E-06	1.49E-03	--	--	2.39E-08	1.68E-04	2.60E-12	1.91E-06	6.71E-02	4.04E-04	2.71E-04	1.35E-02
LA	LA-TA-50-11	0.83	1.83E-01	--	--	--	3.36E-05	3.26E-03	2.49E+00	5.49E-01	3.26E-08	3.30E-05	--	--	4.29E-10	7.14E-08	6.72E-14	3.27E-08	2.71E-05	9.97E-07	6.70E-06	2.01E-12
LA	LA-TA-50-12	9.22	6.88E-03	--	--	--	1.34E-06	1.19E-03	8.30E-02	--	3.14E-11	--	--	--	1.85E-11	2.12E-06	--	1.36E-09	1.16E-03	3.34E-08	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	4.60E-04	--	--	--	--	--	--	--	9.32E-09	--	--	3.61E-06	--	--	--
LA	LA-TA-50-14	0.42	2.99E-02	--	--	--	5.50E-06	1.58E-04	1.55E-02	--	--	--	--	--	7.01E-11	3.46E-09	--	5.34E-09	1.31E-06	6.21E-09	--	--
LA	LA-TA-50-15	91.12	8.51E+00	--	--	1.58E-04	1.55E-03	1.28E+01	3.68E+01	7.93E+00	5.34E-07	5.36E-04	--	9.94E-05	1.96E-08	2.77E-04	1.00E-12	1.50E-06	1.05E-01	1.65E-03	9.84E-05	1.47E-07
LA	LA-TA-50-16	13.23	2.76E-01	7.91E-03	--	1.02E-06	3.62E-03	1.72E-01	6.27E-01	8.88E-02	3.93E-08	8.68E-06	--	--	1.11E-07	3.29E-06	1.02E-14	6.13E-06	1.29E-03	2.43E-07	1.05E-06	5.12E-13
LA	LA-TA-50-18	3.54	8.90E-01	--	--	--	1.68E-04	4.91E-02	6.23E-01	8.95E-02	--	--	--	--	2.23E-09	1.18E-06	1.14E-14	1.67E-07	4.35E-04	1.29E-05	1.12E-06	--
LA	LA-TA-50-19	108.97	1.32E+01	--	--	1.80E-10	2.51E-03	2.41E+00	7.51E+00	--	1.26E-10	--	--	1.35E-10	3.35E-08	5.85E-05	--	2.49E-06	2.15E-02	5.94E-05	--	--
LA	LA-TA-50-20	0.62	1.57E-03	--	--	--	2.90E-07	--	2.97E-03	--	--	--	--	--	3.73E-12	--	--	2.83E-10	--	1.19E-09	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	5.99E-04	--	--	--	--	--	--	--	--	--	--	2.39E-10	--	--
LA	LA-TA-50-41	20.79	1.04E-01	--	--	--	1.84E-05	2.12E-03	1.58E+00	3.58E-01	3.61E-08	2.15E-05	--	--	2.21E-10	4.11E-08	4.15E-14	1.73E-08	1.61E-05	6.13E-07	4.25E-06	1.27E-12
LA	LA-TA-55-03	35.59	3.10E+01	--	--	--	6.14E-03	6.35E+00	2.16E+02	5.23E+01	7.59E-06	1.60E-01	2.73E-08	--	8.59E-08	1.16E-04	5.89E-12	6.28E-06	4.62E-02	9.27E-05	6.13E-04	1.13E-07
LA	LA-TA-55-04	1.25	3.80E-01	--	--	--	6.57E-05	4.62E-03	3.29E+00	7.59E-01	9.76E-08	4.47E-05	--	--	7.65E-10	8.34E-08	8.51E-14	6.09E-08	3.33E-05	1.26E-06	8.86E-06	2.60E-12
LA	LA-TA-55-05	56.5	1.32E+01	8.39E-05	--	4.81E-11	2.36E-03	6.79E+01	1.03E+02	2.45E+01	2.96E-05	6.69E-02	5.96E-08	3.67E-11	2.88E-08	1.92E-03	2.77E-12	2.24E-06	6.89E-01	1.93E-04	2.88E-04	2.30E-06
LA	LA-TA-55-07	3.12	3.67E+00	--	--	--	6.38E-04	2.23E+00	2.35E+01	5.59E+00	9.01E-07	1.17E-01	1.63E-07	--	7.46E-09	4.07E-05	6.30E-13	5.93E-07	1.62E-02	9.03E-06	6.55E-05	6.82E-09
LA	LA-TA-55-08	2.7	7.88E-01	--	--	--	1.37E-04	3.65E-01	6.81E+00	1.57E+00	1.94E-07	9.41E-05	--	--	1.60E-09	6.66E-06	1.77E-13	1.27E-07	2.65E-03	2.61E-06	1.84E-05	5.50E-12
LA	LA-TA-55-09	0.62	3.76E-02	6.23E-06	--	--	8.83E-06	7.28E+00	1.31E-01	6.86E-02	1.13E-08	8.72E-04	8.86E-10	--	1.46E-10	2.17E-04	7.74E-15	9.95E-09	7.71E-02	5.03E-08	8.04E-07	5.10E-11
LA	LA-TA-55-10	0.62	1.27E-01	1.06E-05	--	--	2.53E-05	4.07E+00	7.38E-02	6.23E-02	3.37E-08	6.83E-03	--	--	3.56E-10	1.20E-04	6.98E-15	2.60E-08	4.27E-02	2.83E-08	7.28E-07	3.98E-10
LA	LA-TA-55-12	0.21	1.39E-02	--	--	--	2.41E-06	1.95E-04	2.80E-02	1.33E-02	3.74E-09	4.08E-06	--	--	2.78E-11	3.49E-09	1.48E-15	2.22E-09	1.40E-06	2.29E-04	1.55E-07	8.75E-07
LA	LA-TA-55-14	358.8	1.87E+03	--	--	--	3.26E-01	9.75E-01	6.35E+02	1.47E+02	1.74E-05	6.19E-02	--	--	3.83E-06	1.80E-05	1.66E-11	3.04E-04	7.15E-03	7.11E-04	1.73E-03	2.94E-05
LA	LA-TA-55-15	18.1	6.62E+01	--	--	--	1.15E-02	5.10E+01	5.28E+02	1.25E+02	1.63E-05	9.40E-03	--	--	1.35E-07	9.32E-04	1.41E-11	1.07E-05	3.71E-01	2.03E-04	1.47E-03	5.49E-10
LA	LA-TA-55-17B	14.82	2.27E-01	--	--	--	3.90E-05	2.59E-02	1.96E+00	4.52E-01	6.40E-08	2.67E-05	--	--	4.49E-10	4.57E-07	5.01E-14	3.60E-08	1.84E-04	7.46E-07	5.25E-06	1.55E-12
LA	LA-TA-55-18	0.42	--	--	--	--	--	6.09E+00	--	--	--	--	--	--	--	1.28E-04	--	--	4.89E-02	--	--	--
LA	LA-TA-55-19	1200.75	5.73E+02	3.50E-03	--	1.52E-09	1.11E-01	9.28E+02	4.08E+03	1.17E+03	1.02E-04	2.15E+00	1.78E-06	1.12E-10	2.66E-03	2.49E-02	5.63E-08	7.16E-02	8.97E+00	1.72E-02	1.65E-02	8.41E-03
LA	LA-TA-55-19.01-S	81.42	4.72E+01	4.22E-03	--	1.51E-10	1.19E-02	1.03E+00	2.47E+02	5.91E+01	8.00E-06	1.66E-01	--	--	2.06E-07	4.51E-04	6.52E-12	1.38E-05	1.25E-01	3.20E-04	6.85E-04	3.86E-04
LA	LA-TA-55-19.02-S	228.99	2.65E+02	7.48E-02	--	9.13E-08	6.62E-02	1.04E+01	8.08E+02	2.19E+02	4.18E-05	1.24E+00	--	6.52E-08	1.60E-04	4.60E-03	2.06E-05	4.61E-03	8.75E-01	1.26E-03	2.53E-03	1.53E-03
LA	LA-TA-55-20	46.28	1.39E+01	1.84E-04	--	--	2.60E-03	2.27E+01	1.30E+02	3.09E+01	3.68E-06	2.64E-02	--	--	3.40E-08	4.39E-04	3.72E-12	2.56E-06	1.72E-01	4.00E-04	3.74E-04	4.45E-05
LA	LA-TA-55-21	75.52	3.43E+01	2.63E-04	--	2.94E-11	6.42E-03	1.05E+02	3.22E+02	8.53E+01	5.37E-06	4.64E-02	2.53E-08	2.04E-11	8.46E-08	2.59E-03	1.07E-11	6.35E-06	9.50E-01	2.10E-04	1.05E-03	1.00E-03
LA	LA-TA-55-22	27.13	3.02E+00	2.09E-05	--	5.67E-11	5.83E-04	8.68E+01	2.26E+01	5.77E+00	1.54E-05	2.70E-03	4.28E-10	4.32E-11	7.96E-09	2.19E-03	6.75E-13	5.88E-07	8.03E-01	1.05E-05	6.89E-05	4.20E-09
LA	LA-TA-55-23	1.66	8.61E-01	--	--	--	1.58E-04	8.36E+00	1.27E+01	2.90E+00	1.87E-07	2.00E-04	--	--	2.00E-09	1.81E-04	3.53E-13	1.53E-07	6.89E-02	5.06E-06	3.53E-05	1.21E-11
LA	LA-TA-55-24	1.46	5.83E-01	--	--	--	1.03E-04	1.07E-02	6.58E+00	1.58E+00	1.94E-07	1.30E-04	--	--	1.23E-09	5.45E-07	2.05E-13	9.65E-08	1.77E-04	1.39E-04	1.99E-05	3.16E-05

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-25	0.42	6.53E-01	--	--	--	1.19E-04	1.27E-02	9.82E+00	2.24E+00	1.56E-07	1.43E-04	--	--	1.49E-09	2.69E-07	2.70E-13	1.14E-07	1.03E-04	3.89E-06	2.72E-05	8.65E-12
LA	LA-TA-55-26	1.66	7.40E-02	--	--	--	1.57E-05	2.54E+00	6.36E-01	1.61E-01	2.52E-08	2.59E-05	--	--	2.38E-10	4.92E-05	1.86E-14	1.68E-08	1.93E-02	2.47E-07	1.91E-06	1.53E-12
LA	LA-TA-55-27	0.42	1.65E-03	--	--	--	3.00E-07	3.17E-05	2.53E-02	5.75E-03	3.76E-10	3.46E-07	--	--	3.79E-12	6.80E-10	6.96E-16	2.90E-10	2.59E-07	1.01E-08	6.98E-08	2.09E-14
LA	LA-TA-55-29	3.74	3.94E-01	1.21E-04	--	--	1.28E-04	1.06E+02	2.02E+00	9.52E-01	6.92E-05	9.64E-04	--	--	2.63E-09	3.21E-03	1.09E-13	1.65E-07	1.14E+00	7.82E-07	1.12E-05	5.67E-11
LA	LA-TA-55-30	1180.3	3.95E+02	3.45E-04	--	4.03E-10	7.31E-02	1.40E+03	2.24E+03	6.86E+02	8.97E-05	4.83E-01	1.42E-07	2.95E-10	3.70E-06	3.39E-02	8.66E-11	7.16E-05	1.25E+01	2.99E-03	8.51E-03	2.45E-02
LA	LA-TA-55-30-S	95.32	7.86E+01	6.28E-03	--	1.36E-06	2.11E-02	2.30E+00	2.44E+02	6.69E+01	1.08E-05	5.98E-02	--	1.04E-06	3.34E-04	7.26E-05	3.28E-05	9.50E-03	2.56E-02	3.08E-04	7.73E-04	5.58E-04
LA	LA-TA-55-31	21.65	7.41E+00	2.70E-06	--	--	1.33E-03	1.54E-01	1.03E+02	2.28E+01	1.97E-06	1.60E-02	1.37E-08	--	1.64E-08	1.46E-05	2.96E-12	1.27E-06	4.42E-03	1.40E-04	2.87E-04	2.40E-07
LA	LA-TA-55-32	10.02	4.11E+00	7.14E-05	--	5.09E-11	7.99E-04	1.37E+02	2.06E+01	5.76E+00	1.04E-05	1.52E-02	1.31E-08	3.85E-11	1.11E-08	3.33E-03	9.03E-13	8.11E-07	1.23E+00	8.41E-05	8.03E-05	7.07E-07
LA	LA-TA-55-33	2.5	1.25E-01	--	--	--	2.29E-05	2.49E-03	4.85E-01	2.30E-01	2.59E-08	7.23E-05	--	--	2.91E-10	5.46E-08	2.81E-14	2.22E-08	2.07E-05	1.94E-07	2.80E-06	4.40E-12
LA	LA-TA-55-34	70.51	2.02E+02	--	--	--	3.68E-02	3.06E+00	1.81E+03	4.42E+02	3.18E-05	1.42E-01	9.66E-08	--	3.56E-04	1.15E-04	5.40E-11	9.66E-03	3.87E-02	1.28E-03	5.39E-03	2.80E-02
LA	LA-TA-55-36	0.21	7.86E+00	--	--	--	1.40E-03	5.47E-03	4.17E+00	9.46E-01	8.24E-08	5.69E-05	--	--	1.72E-08	1.10E-07	1.11E-13	1.33E-06	4.25E-05	1.63E-06	1.13E-05	3.39E-12
LA	LA-TA-55-38	3.54	5.88E-01	--	--	--	1.08E-04	1.11E+02	1.34E+00	5.09E-01	1.17E-07	3.80E-04	--	--	1.39E-09	2.46E-03	6.25E-14	1.05E-07	9.29E-01	5.36E-07	6.22E-06	2.32E-11
LA	LA-TA-55-39	69.26	2.28E+02	--	--	--	4.16E-02	5.15E+00	3.35E+03	7.66E+02	5.20E-05	2.72E-01	2.07E-07	--	5.24E-07	1.11E-04	9.28E-11	4.02E-05	4.21E-02	1.34E-03	9.30E-03	5.36E-08
LA	LA-TA-55-43	65.51	2.28E-01	1.89E-06	--	--	5.01E-05	1.54E+01	5.61E-01	1.84E-01	3.46E-08	1.74E-04	--	--	8.03E-10	3.63E-04	1.50E-06	5.51E-08	1.35E-01	3.00E-07	2.23E-06	1.06E-11
LA	LA-TA-55-43.01-S	190.89	3.84E-01	1.39E-05	--	--	1.04E-04	2.72E+01	4.61E-01	7.34E-01	7.17E-08	5.33E-04	--	--	1.89E-09	6.02E-04	4.58E-06	1.24E-07	2.28E-01	1.76E-07	8.55E-06	3.10E-11
LA	LA-TA-55-46	0.21	5.35E-05	--	--	--	9.62E-09	3.72E-03	5.07E-05	2.51E-05	9.63E-12	2.10E-08	--	--	1.19E-13	7.61E-08	2.98E-18	9.20E-12	2.94E-05	2.00E-11	3.02E-10	1.26E-15
LA	LA-TA-55-47	1.89	1.83E-03	--	--	--	3.21E-07	3.78E-05	2.76E-02	6.28E-03	6.96E-10	3.77E-07	--	--	3.82E-12	7.14E-10	7.19E-16	3.01E-10	2.82E-07	1.07E-08	7.41E-08	2.22E-14
LA	LA-TA-55-50	3.14	1.88E-02	--	--	--	3.30E-06	1.24E-01	1.54E-01	3.50E-02	4.90E-09	2.65E-06	--	--	3.94E-11	2.24E-06	3.92E-15	3.10E-09	8.94E-04	5.89E-08	4.09E-07	1.55E-13
LA	LA-TA-55-53	11.86	3.86E+01	--	--	--	6.61E-03	4.94E-01	3.01E+02	7.24E+01	1.14E-05	5.47E-03	--	--	7.56E-08	8.62E-06	7.99E-12	6.07E-06	3.48E-03	1.14E-04	8.39E-04	3.16E-10
LA	LA-TA-55-54	0.21	6.78E-04	--	--	--	1.24E-07	7.46E-06	6.04E-03	1.39E-03	8.28E-11	8.18E-08	--	--	1.57E-12	1.62E-10	1.69E-16	1.20E-10	6.14E-08	2.41E-09	1.69E-08	4.97E-15
LA	LA-TA-55-60	75.6	4.70E+00	--	--	--	4.56E-03	5.04E-01	1.26E+01	4.23E+00	8.22E-07	4.03E-01	3.82E-07	--	1.33E-07	1.12E-05	5.20E-13	7.34E-06	4.22E-03	5.04E-06	5.17E-05	3.78E-07
LA	LA-TA-55-61	119.07	4.53E+00	--	--	--	8.28E-04	2.69E+00	2.53E+01	8.39E+00	9.17E-07	1.78E-02	1.50E-08	--	1.05E-08	5.83E-05	1.02E-12	8.02E-07	2.22E-02	1.01E-05	1.02E-04	1.08E-09
LA	LA-TA-55-62	15.12	1.77E-01	--	--	--	3.25E-05	3.83E-03	6.30E-01	2.94E-01	3.68E-08	1.01E-04	--	--	4.14E-10	8.40E-08	3.59E-14	3.16E-08	3.18E-05	2.52E-07	3.59E-06	6.16E-12
LA	LA-TA-55-63	3.78	1.51E-02	--	--	--	2.71E-06	2.98E-04	2.30E-01	5.23E-02	4.14E-09	3.15E-06	--	--	3.35E-11	6.10E-09	6.21E-15	2.59E-09	2.35E-06	9.06E-08	6.29E-07	1.88E-13
LB	LB-T001	1.61	3.40E-02	3.10E-03	--	--	2.79E-04	9.43E-06	3.05E-03	7.25E-04	2.03E-04	6.74E-05	2.21E-11	--	1.64E-05	1.63E-10	8.03E-09	4.66E-04	6.61E-08	1.78E-07	8.38E-09	2.57E-07
LB	LB-T002	1.4	2.40E-02	3.37E-04	--	6.67E-13	4.90E-03	4.33E-04	7.61E-02	1.09E-04	7.32E-09	6.01E-05	4.06E-05	--	1.51E-07	8.28E-09	1.24E-17	8.34E-06	3.26E-06	7.01E-07	1.28E-09	2.66E-08
LB	LB-T003	1.4	9.74E-02	--	4.78E-09	--	1.71E-05	--	--	4.11E-05	--	--	--	--	2.02E-10	--	4.68E-18	1.59E-08	--	--	4.84E-10	--
LL	BLCHDN.001-S	1.66	6.01E-02	2.16E-03	1.10E-07	--	9.04E-04	4.47E-03	2.87E-05	5.85E-04	6.81E-04	--	--	--	2.60E-08	7.45E-08	6.32E-17	1.49E-06	3.05E-05	6.34E-12	6.70E-09	--
LL	LL-M001	1532.77	4.03E+03	1.04E+00	1.90E-03	4.14E-04	7.65E-01	4.43E+02	5.69E+03	1.69E+03	2.27E+00	5.50E-01	1.64E-07	3.18E-04	1.24E+00	8.55E-03	6.16E-05	3.32E+01	3.04E+00	9.69E-03	1.92E-02	1.78E-02
LL	LL-M001-S5400-S	143.14	1.99E+02	1.31E-02	1.71E-05	3.47E-09	1.06E-01	1.83E+01	5.92E+02	1.62E+02	2.88E-03	3.16E-02	--	2.62E-09	2.49E-06	3.68E-04	1.75E-11	1.51E-04	1.43E-01	7.18E-04	1.85E-03	3.54E-03
LL	LL-T004	1.25	1.18E+01	--	1.10E-09	--	2.05E-03	8.64E-02	4.22E+00	2.00E+00	3.89E-07	1.30E-03	--	--	2.39E-08	1.39E-06	2.13E-13	1.91E-06	5.74E-04	1.57E-06	2.28E-05	7.36E-11
LL	LL-T005	0.42	4.47E-03	--	--	1.32E-06	7.48E-07	1.44E-05	5.93E-03	1.33E-03	5.56E-10	1.63E-07	--	1.01E-06	8.23E-12	2.32E-10	1.41E-16	6.74E-10	9.59E-08	2.21E-09	1.51E-08	9.25E-15
LL	LL-W018a	1517.72	4.46E+01	--	2.76E-08	--	7.47E-03	2.96E-01	4.83E+01	1.40E+01	5.92E-06	3.11E-03	--	--	8.22E-08	4.76E-06	1.49E-12	6.73E-06	1.96E-03	1.80E-05	1.59E-04	1.76E-10
LL	LL-W018b	27.35	1.47E+02	7.76E-05	3.95E-09	2.08E-05	2.46E-02	5.20E+00	4.52E+00	1.93E-05	1.94E-08	--	2.18E-19	5.00E-05	2.72E-07	8.37E-05	2.05E-18	2.22E-05	3.45E-02	4.99E-06	2.19E-10	--
LL	LL-W019	15.81	2.40E+01	2.44E-06	7.35E-09	5.73E-09	5.68E-03	1.34E+00	8.12E+01	2.20E+01	4.42E-06	4.04E-03	--	4.41E-09	3.63E-02	2.22E-05	2.34E-12	1.05E+00	9.08E-03	7.59E-04	2.51E-04	2.07E-03
MC	MC-W001	0.21	--	--	--	--	3.95E-05	--	5.00E-03	--	--	--	--	--	1.30E-09	--	--	6.95E-08	--	2.00E-09	--	--
NT	NT-JAS-01	1971.73	2.35E+02	--	--	--	3.99E-02	6.88E+00	1.93E+02	1.52E+02	5.49E-05	--	--	--	4.49E-07	1.16E-04	1.65E-11	3.64E-05	4.72E-02	7.29E-05	1.75E-03	--
NT	NTLBL-S5400-S	1.66	6.38E-01	5.60E-03	5.05E-07	8.73E-09	7.83E-04	7.50E-03	6.65E-01	1.49E-01	4.17E-05	2.11E-05	--	6.71E-09	2.07E-08	1.24E-07	1.60E-14	1.21E-06	5.06E-05	2.49E-07	1.70E-06	1.21E-12
NT	NTLRC-S5400-S	3.12	3.26E+00	3.39E-05	--	1.89E-10	7.91E-04	2.95E-02	7.12E+00	2.54E+00	4.60E-07	2.93E-04	--	1.45E-10	1.31E-08	1.55E-05	2.73E-13	8.96E-07	4.63E-03	1.51E-04	2.90E-05	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	2.91E+00	8.86E-07	--	--	5.29E-04	4.87E-02	2.40E+01	5.30E+00	5.92E-07	4.30E-04	--	--	2.07E-04	3.86E-06	5.69E-13	5.93E-03	1.23E-03	2.69E-05	6.06E-05	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	3.06E+00	--	--	--	5.46E-04	6.14E-02	3.84E+01	6.92E+00	8.90E-07	5.25E-04	--	--	6.61E-09	1.20E-06	7.44E-13	5.17E-07	4.71E-04	1.44E-05	7.92E-05	2.84E-05
NT	NT-RF-METAL-S	6.03	6.71E-01	2.62E-06	--	--	1.24E-04	1.09E-02	6.66E+00	1.60E+00	2.10E-07	1.35E-04	--	--	1.58E-09	1.52E-04	1.72E-13	1.21E-07	4.47E-02	2.99E-05	1.83E-05	2.23E-02

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
NT	NTS54332R0-S	307.24	8.63E+01	1.25E-02	1.65E-06	4.01E-08	2.88E-02	1.28E+00	3.65E+02	9.29E+01	2.34E-04	1.04E-02	--	3.14E-08	7.58E-03	1.16E-04	1.00E-11	2.17E-01	3.65E-02	1.00E+00	1.06E-03	1.01E-02
NT	NTS54COMR0-S	50.35	2.10E+01	2.02E-02	1.39E-05	1.39E-08	8.39E-03	1.10E+00	5.07E+01	1.18E+01	7.72E-04	1.84E-03	--	1.07E-08	9.11E-03	2.52E-05	1.27E-12	2.61E-01	9.49E-03	3.21E-05	1.35E-04	8.79E-04
NT	NTS54MIX1R0-S	0.42	2.30E-03	9.24E-05	--	1.24E-08	1.18E-06	2.07E-05	2.86E-02	6.69E-03	3.11E-10	6.82E-07	--	--	2.75E-11	3.52E-10	7.31E-16	1.66E-09	1.43E-07	1.08E-08	7.71E-08	3.92E-14
NT	NT-W001	111.46	3.01E+01	2.14E-01	1.90E-07	7.56E-07	6.29E-03	1.17E+00	4.99E+02	3.25E+00	4.67E-05	1.58E-02	1.82E-07	1.96E-09	1.19E-02	2.71E-05	3.86E-13	3.27E-01	1.01E-02	2.16E-04	3.91E-05	2.80E-05
NT	NT-W002	18.79	5.08E+00	3.61E-02	3.21E-08	1.27E-07	1.06E-03	1.97E-01	8.42E+01	5.48E-01	7.88E-06	2.67E-03	3.06E-08	3.31E-10	2.01E-03	4.57E-06	6.51E-14	5.51E-02	1.71E-03	3.64E-05	6.59E-06	4.72E-06
NT	NT-W003	1.89	9.40E-01	--	--	8.32E-09	1.79E-04	8.70E-03	3.35E+00	7.98E-01	1.20E-07	1.15E-04	--	--	2.40E-09	1.78E-07	9.47E-14	1.78E-07	6.88E-05	1.54E-04	9.59E-06	4.62E-05
NT	NT-W004	0.21	--	--	--	--	--	1.73E-02	2.74E-02	--	--	--	--	--	--	3.55E-07	--	--	1.37E-04	1.08E-08	--	--
NT	NT-W005	0.21	9.85E-03	--	--	3.67E-11	1.90E-06	1.29E-04	4.98E-02	1.19E-02	2.76E-09	1.70E-06	--	--	2.60E-11	2.65E-09	1.41E-15	1.92E-09	1.02E-06	1.96E-08	1.43E-07	1.81E-06
NT	NT-W021	9	5.25E+00	--	--	--	9.44E-04	7.52E-02	5.06E+01	1.13E+01	1.44E-06	1.04E-03	--	--	1.17E-08	1.02E-04	1.34E-12	9.02E-07	2.89E-02	5.61E-04	1.35E-04	2.79E-02
OR	OR-CHEM-CH-HET	26	2.75E+00	1.00E-03	5.91E-08	4.06E-05	5.33E-04	5.42E+00	3.11E+00	5.63E-01	5.51E-08	8.09E-04	2.43E-18	2.58E-05	2.24E-02	1.16E-04	7.08E-05	6.11E-01	4.43E-02	6.63E-05	7.29E-06	1.05E-03
OR	OR-GENR-CH-HET	26	2.42E-01	4.57E-01	3.40E-06	2.61E-10	1.38E-02	4.63E-01	2.56E+00	4.17E-02	3.50E-03	1.12E-01	1.63E-08	1.03E-09	2.23E-03	2.89E-04	1.81E-06	6.08E-02	3.91E-03	5.58E-06	3.52E-05	5.41E-04
OR	OR-ISTP-CH-HET	69.06	1.03E+02	9.16E-01	3.54E-04	4.07E-06	3.18E-01	4.59E+01	1.21E+01	1.85E+01	1.48E-03	8.98E-02	8.54E-09	3.55E-09	6.53E-03	1.46E-03	1.46E-04	1.78E-01	3.66E-01	1.98E-04	2.26E-04	2.35E-04
OR	OR-NBL-CH-HET	11.44	2.34E-05	--	--	--	3.70E-09	3.69E-02	1.07E+00	4.12E-01	1.43E-05	--	--	--	5.29E-04	4.97E-06	4.92E-14	1.44E-02	1.47E-03	1.62E-04	4.97E-06	1.00E-03
OR	OR-NFS-CH-HET	58.86	3.19E+01	2.63E-03	2.85E-06	5.28E-06	5.77E-03	5.26E-01	8.60E+01	4.64E+01	5.11E-04	2.22E-02	9.84E-11	2.94E-05	4.60E-03	9.46E-03	6.61E-05	1.25E-01	2.65E+00	2.24E-04	5.59E-04	3.09E-03
OR	OR-NFS-CH-HOM	9.98	7.02E+01	--	--	--	1.27E-02	1.50E+00	1.57E+02	8.22E+01	9.66E-06	1.04E-02	--	--	1.57E-07	1.63E-02	9.80E-12	1.21E-05	4.55E+00	2.44E-04	9.91E-04	5.02E-03
OR	OR-NFS-CH-SOIL	123.76	9.59E+01	--	--	--	1.73E-02	1.31E+00	3.33E+02	1.43E+02	8.74E-06	1.14E-02	--	--	3.53E-04	2.42E-02	8.34E-06	9.64E-03	6.78E+00	6.84E-04	1.72E-03	7.00E-03
OR	OR-PGDP-CH-HET	3.74	--	--	--	--	8.79E-02	--	2.81E-01	--	--	--	--	--	2.81E-06	3.77E-05	--	1.52E-04	1.06E-02	4.25E-04	--	1.05E-02
OR	OR-RADP-CH-HET	45.76	1.79E+01	6.19E-02	4.65E-05	1.70E-07	6.98E-03	8.04E-02	1.07E+01	2.43E+00	9.33E-05	1.39E-04	9.12E-09	1.31E-07	7.28E-04	2.08E-06	5.80E-07	1.98E-02	7.56E-04	1.44E-04	2.92E-05	4.17E-06
OR	OR-REDC-CH-HET	489.23	7.96E+00	6.50E-01	5.12E-05	5.03E-04	1.51E-02	7.23E-01	1.27E+01	6.79E+00	1.57E-02	2.08E-02	1.68E-07	2.68E-03	8.41E-04	1.96E-05	1.24E-05	1.52E-03	7.04E-03	1.22E-05	2.33E-01	1.82E-06
OR	OR-RF-CH-HET	130.83	5.97E+00	9.89E-03	8.97E-08	2.51E-05	1.13E-03	2.09E-01	4.18E+01	9.44E+00	4.50E-07	3.60E-02	6.79E-16	1.46E-05	1.55E+00	3.77E-05	3.77E-04	4.14E+01	4.91E-03	1.10E-03	1.14E-04	2.67E-03
OR	OR-RF-CH-HOM	2.5	2.61E-02	--	--	4.69E-07	4.71E-06	8.75E-04	4.15E-02	3.97E-02	--	--	--	3.67E-06	5.84E-11	1.97E-07	4.73E-15	4.51E-09	5.72E-05	2.32E-06	4.78E-07	8.19E-05
OR	OR-TBD-CH-HET	165.85	1.31E+02	2.73E+00	1.85E-04	1.43E-04	1.02E-01	2.31E+01	8.47E+01	1.99E+02	3.36E-06	2.14E-02	5.33E-09	2.35E-06	1.00E-01	5.68E-04	1.78E-04	2.73E+00	2.01E-01	1.65E-03	2.42E-03	3.08E-02
OR	OR-W203	285.72	1.85E+00	1.78E-01	1.78E-04	1.62E-03	3.09E-04	9.99E-02	3.70E-02	2.45E+00	6.06E-05	2.56E-02	1.73E-08	9.23E-03	3.40E-09	1.61E-06	2.60E-13	2.78E-07	6.63E-04	1.34E-08	2.78E-05	1.41E-09
OR	OR-W213-CH-HET	322.63	6.52E+00	3.30E-03	1.81E-08	1.94E-03	1.25E-02	1.06E-01	5.38E+00	6.52E-03	3.39E-07	3.00E-03	--	1.12E-05	8.16E+00	1.54E-02	1.29E-01	1.05E+01	5.95E-01	8.87E-03	9.43E-03	1.13E-01
OR	OR-WSTR-CH-HET	0.42	--	--	--	--	--	2.31E-03	--	--	--	--	--	--	--	4.78E-08	--	--	1.84E-05	--	--	--
OR	OR-Y12-CH-HET	1.04	--	--	--	--	5.36E-03	9.66E-06	5.18E-02	1.05E-05	--	--	--	--	1.71E-07	1.66E-06	1.26E-18	9.28E-06	4.64E-04	1.20E-04	1.27E-10	5.29E-04
PA	PA-A015	2.08	2.21E-02	--	--	--	1.31E-01	1.48E-04	3.91E-01	--	--	--	--	--	4.09E-06	1.02E-02	--	2.24E-04	1.67E-02	8.36E-04	--	1.82E-02
PA	PA-W014	2.91	8.84E-02	--	--	1.72E-06	2.07E+00	--	1.58E-01	--	--	--	--	--	6.44E-05	2.52E-04	--	3.54E-03	7.15E-02	3.90E-03	--	1.09E-01
RF	RF001.01-S	979.16	1.03E+03	1.14E-03	--	--	2.27E-01	7.43E+00	3.33E+03	7.51E+02	1.51E-04	1.18E-01	--	--	2.66E-03	8.14E-04	8.29E-11	7.55E-02	2.51E-01	1.08E-02	8.71E-03	2.21E-03
RF	RF002.01-S	1460.53	1.03E+03	1.02E-03	--	5.25E-08	1.86E-01	1.10E+01	4.36E+03	9.98E+02	2.45E-04	1.23E-01	--	--	7.71E-04	6.31E-04	1.10E-10	2.20E-02	2.06E-01	8.65E-03	1.15E-02	2.83E-01
RF	RF003.01-S	355.39	1.89E+03	--	--	--	3.29E-01	2.67E+01	1.26E+04	2.95E+03	4.76E-04	2.93E-01	--	--	3.59E-04	5.17E-04	3.25E-10	1.04E-02	2.03E-01	5.26E-03	3.42E-02	1.30E-03
RF	RF004.01-S	282.97	1.70E+02	8.53E-07	--	--	3.02E-02	1.66E+00	6.79E+02	1.53E+02	4.13E-05	1.91E-02	--	--	3.63E-07	9.84E-05	1.67E-11	2.85E-05	3.20E-02	9.17E-04	1.76E-03	7.54E-04
RF	RF005.01-S	119.39	3.04E+03	--	--	--	5.28E-01	1.05E+01	4.73E+03	1.18E+03	1.06E-04	1.01E-01	--	--	6.15E-06	1.87E-04	1.32E-10	4.90E-04	7.51E-02	1.89E-03	1.38E-02	5.87E-09
RF	RF005.02-S	78.42	3.61E+03	--	--	--	6.23E-01	6.20E+00	2.87E+03	7.33E+02	5.85E-05	6.45E-02	--	--	7.21E-06	1.12E-04	8.13E-11	5.76E-04	4.46E-02	1.11E-03	8.52E-03	1.75E-07
RF	RF006.01-S	235.66	1.51E+03	--	--	--	2.70E-01	2.34E+01	9.12E+03	2.14E+03	3.97E-04	2.97E-01	--	--	3.30E-06	4.64E-04	2.46E-10	2.56E-04	1.81E-01	3.73E-03	2.53E-02	1.40E-06
RF	RF008.01-S	97.15	7.20E+02	--	--	--	1.37E-01	1.00E+01	3.36E+03	8.94E+02	1.41E-04	1.36E-01	--	--	1.82E-06	1.78E-04	9.92E-11	1.36E-04	7.15E-02	1.31E-03	1.04E-02	8.31E-08
RF	RF009.01-S	1326.87	3.84E+04	--	--	--	6.93E+00	9.97E+01	5.44E+04	1.31E+04	1.25E-03	1.36E+00	--	--	8.56E-05	1.77E-03	1.45E-09	6.63E-03	7.11E-01	2.10E-02	1.52E-01	2.79E-06
RF	RF010.01-S	629.55	1.12E+03	3.96E-05	--	--	1.97E-01	1.28E+01	6.19E+03	1.40E+03	2.45E-04	1.59E-01	--	--	2.34E-06	6.45E-04	1.54E-10	1.85E-04	2.13E-01	6.33E-03	1.62E-02	3.58E-03
RF	RF011.01-S	79.52	1.94E+02	--	--	--	3.32E-02	3.20E+00	1.47E+03	3.44E+02	5.18E-05	3.06E-02	--	--	3.81E-07	5.70E-05	3.75E-11	3.06E-05	2.29E-02	5.79E-04	3.96E-03	4.21E-06
RF	RF015.01-S	1.66	3.68E+00	--	--	--	7.07E-04	4.84E-02	1.86E+01	4.21E+00	1.28E-06	5.81E-04	--	--	9.43E-09	8.25E-07	4.60E-13	7.05E-07	3.35E-04	7.01E-06	4.85E-05	3.34E-11
RF	RF029.01-S	4346.69	1.85E+03	1.40E-03	--	4.40E-09	3.36E-01	1.88E+01	6.78E+03	1.58E+03	5.08E-04	2.21E-01	4.26E-15	2.31E-11	4.18E-06	5.95E-04	1.72E-10	3.23E-04	2.10E-01	5.19E-03	1.82E-02	1.26E-03
RF	RF031.01-S	20.59	9.32E+00	--	--	--	1.62E-03	1.19E-01	4.76E+01	1.07E+01	3.17E-06	1.32E-03	--	--	1.89E-08	5.02E-06	1.16E-12	1.50E-06	1.70E-03	4.71E-05	1.23E-04	4.10E-05

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF032.01-S	209.25	1.60E+03	--	--	--	2.95E-01	1.59E+01	8.53E+03	1.94E+03	2.49E-04	1.51E-01	--	--	3.74E-06	2.81E-04	2.13E-10	2.86E-04	1.13E-01	3.29E-03	2.25E-02	5.13E-07
RF	RF033.01-S	25.58	1.16E+02	--	--	--	2.03E-02	1.77E+00	7.91E+02	1.79E+02	3.86E-05	1.84E-02	--	--	2.42E-07	3.13E-05	1.96E-11	1.91E-05	1.26E-02	3.09E-04	2.06E-03	6.00E-05
RF	RF036.01-S	44.1	5.15E+01	7.86E-05	--	--	9.03E-03	6.90E-01	2.62E+02	5.94E+01	1.98E-05	8.17E-03	--	--	1.07E-07	1.99E-05	6.41E-12	8.44E-06	7.16E-03	2.09E-04	6.81E-04	2.98E-03
RF	RF101.01-S	174.96	3.18E+02	1.02E-03	--	--	5.59E-02	4.13E+00	1.67E+03	3.80E+02	9.35E-05	4.61E-02	--	--	6.66E-07	2.13E-04	4.15E-11	5.25E-05	7.01E-02	1.98E-03	4.38E-03	8.53E-04
RF	RF101.29-S	30.39	2.82E+01	--	--	--	4.95E-03	3.94E-01	1.55E+02	3.50E+01	8.09E-06	4.23E-03	--	--	5.89E-08	2.57E-05	3.84E-12	4.64E-06	8.25E-03	2.38E-04	4.04E-04	2.04E-04
RF	RF101.30-S	117.41	2.55E+02	3.03E-04	--	--	4.55E-02	1.98E+00	8.69E+02	1.99E+02	4.08E-05	2.54E-02	--	--	5.54E-07	9.04E-05	2.18E-11	4.32E-05	3.02E-02	8.59E-04	2.30E-03	1.85E-04
RF	RF101.31-S	62.53	5.22E+01	1.32E-05	--	--	9.16E-03	5.39E-01	2.31E+02	5.34E+01	1.04E-05	8.24E-03	--	--	1.09E-07	2.87E-05	5.89E-12	8.57E-06	9.41E-03	2.70E-04	6.18E-04	8.29E-05
RF	RF101.35-S	79.56	1.78E+02	--	--	--	3.21E-02	1.52E+00	6.31E+02	1.43E+02	3.41E-05	2.08E-02	--	--	3.95E-07	3.16E-04	1.57E-11	3.06E-05	9.50E-02	2.96E-03	1.65E-03	2.19E-04
RF	RF102.01-S	223.63	1.36E+02	1.92E-04	--	1.66E-06	2.43E-02	1.51E+00	5.67E+02	1.31E+02	3.89E-05	1.77E-02	--	--	2.98E-07	3.98E-05	1.43E-11	2.32E-05	1.46E-02	3.50E-04	1.51E-03	3.99E-04
RF	RF102.31-S	124.09	1.01E+02	1.86E-05	--	--	1.80E-02	7.01E-01	2.72E+02	6.25E+01	1.72E-05	8.45E-03	--	--	2.20E-07	3.90E-05	6.82E-12	1.71E-05	1.28E-02	3.78E-04	7.20E-04	2.14E-03
RF	RF104.01-S	54.38	9.06E+01	2.20E-04	--	--	1.62E-02	8.24E-01	4.05E+02	9.26E+01	1.77E-05	9.37E-03	--	--	1.98E-07	1.68E-05	1.01E-11	1.54E-05	6.50E-03	1.81E-04	1.06E-03	1.40E-04
RF	RF107.01-S	63.44	1.45E+03	--	--	--	2.60E-01	4.85E-01	1.89E+02	4.25E+01	1.40E-05	5.79E-03	--	--	3.15E-06	6.66E-05	4.59E-12	2.46E-04	2.05E-02	1.18E-03	4.88E-04	5.98E-02
RF	RF107.03-S	60.94	1.02E+01	--	--	--	1.83E-03	5.94E-02	2.29E+01	5.17E+00	1.71E-06	7.07E-04	--	--	2.24E-08	2.65E-04	5.59E-13	1.75E-06	7.84E-02	9.13E-03	5.93E-05	6.86E-01
RF	RF107.04-S	110.31	4.04E+01	--	--	--	7.27E-03	2.12E-01	8.24E+01	1.86E+01	6.11E-06	2.53E-03	--	--	8.93E-08	1.07E-05	2.00E-12	6.94E-06	3.56E-03	2.42E-04	2.13E-04	1.54E-02
RF	RF107.05-S	4.37	4.62E+00	--	--	--	8.04E-04	5.21E-02	2.02E+01	4.56E+00	1.50E-06	6.21E-04	--	--	9.40E-09	3.44E-05	4.92E-13	7.47E-07	1.02E-02	3.25E-04	5.22E-05	2.81E-06
RF	RF107.06-S	14.35	5.34E-01	--	--	--	9.08E-05	7.76E-03	3.02E+00	6.81E-01	2.24E-07	9.26E-05	--	--	1.03E-09	8.02E-06	7.36E-14	8.29E-08	2.38E-03	2.64E-04	7.81E-06	2.01E-02
RF	RF107.07-S	58.88	2.29E+02	1.64E-03	--	--	4.09E-02	1.88E+00	7.16E+02	1.62E+02	5.40E-05	2.23E-02	--	--	4.97E-07	4.96E-04	1.75E-11	3.88E-05	1.49E-01	4.69E-03	1.86E-03	2.20E-03
RF	RF110.01-S	9.15	4.53E+01	1.66E-03	--	--	7.84E-03	3.17E-01	1.24E+02	2.81E+01	6.94E-06	6.55E-03	--	--	9.12E-08	8.40E-06	3.07E-12	7.27E-06	3.07E-03	7.67E-05	3.24E-04	1.94E-04
RF	RF110.05-S	31.53	6.54E+01	--	--	--	1.12E-02	1.05E+00	4.57E+02	1.02E+02	1.59E-05	1.03E-02	--	--	1.29E-07	3.50E-05	1.12E-11	1.04E-05	1.22E-02	3.32E-04	1.18E-03	1.67E-05
RF	RF113.01-S	0.42	6.62E-02	--	--	--	1.22E-05	9.31E-04	3.67E-01	8.27E-02	2.48E-08	1.13E-05	--	--	1.54E-10	1.59E-08	9.03E-15	1.18E-08	6.45E-06	1.38E-07	9.53E-07	6.48E-13
RF	RF115.01-S	114.91	3.55E+02	--	--	--	6.15E-02	5.33E+00	2.50E+03	5.66E+02	6.89E-05	4.93E-02	--	--	7.14E-07	9.36E-05	6.18E-11	5.70E-05	3.77E-02	9.76E-04	6.53E-03	6.25E-04
RF	RF116.01-S	3.95	1.41E+01	--	--	--	2.51E-03	1.31E-01	9.69E+01	2.18E+01	1.72E-06	1.51E-03	--	--	3.04E-08	2.23E-06	2.38E-12	2.38E-06	9.04E-04	3.66E-05	2.52E-04	8.71E-11
RF	RF117.01-S	1.87	4.95E+00	--	--	--	8.76E-04	6.28E-02	2.42E+01	5.47E+00	1.67E-06	7.30E-04	--	--	1.05E-08	6.04E-06	5.94E-13	8.24E-07	1.89E-03	5.60E-05	6.29E-05	4.15E-07
RF	RF118.01-S	1432.29	1.09E+04	1.21E-03	--	--	1.92E+00	2.13E+02	6.60E+04	1.73E+04	2.70E-03	2.18E+00	--	--	2.30E-05	4.66E-03	1.90E-09	1.81E-03	1.77E+00	3.39E-02	2.00E-01	2.00E-04
RF	RF119.01-S	24.13	3.36E+01	--	--	--	5.93E-03	3.79E-01	1.45E+02	3.33E+01	1.04E-05	4.46E-03	--	--	7.07E-08	7.92E-06	3.59E-12	5.57E-06	3.05E-03	7.18E-05	3.82E-04	2.13E-04
RF	RF121.01-S	45.97	1.89E+02	--	--	--	3.21E-02	3.28E+00	1.95E+03	4.54E+02	4.31E-05	3.05E-02	--	--	3.62E-07	5.74E-05	4.93E-11	2.93E-05	2.31E-02	7.56E-04	5.21E-03	1.83E-07
RF	RF122.01-S	35.57	1.84E+02	--	--	--	8.76E-02	3.20E+00	1.36E+03	3.17E+02	3.78E-05	3.48E-02	--	--	2.00E-06	5.46E-05	3.46E-11	1.22E-04	2.22E-02	5.13E-04	3.66E-03	2.00E-09
RF	RF122.03-S	4.37	1.96E+01	--	--	--	3.69E-03	3.60E-02	1.41E+01	3.17E+00	1.04E-06	4.30E-04	--	--	4.80E-08	3.14E-05	3.42E-13	3.63E-06	9.29E-03	6.11E-04	3.63E-05	3.39E-02
RF	RF122.04-S	54.08	1.86E+02	--	--	--	3.48E-02	4.11E-01	1.59E+02	3.60E+01	1.18E-05	4.90E-03	--	--	4.50E-07	1.20E-04	3.88E-12	3.42E-05	3.61E-02	3.56E-03	4.12E-04	2.34E-01
RF	RF122.05-S	16.22	2.16E+00	--	--	--	3.75E-04	1.41E-02	5.40E+00	1.22E+00	4.04E-07	1.67E-04	--	--	4.39E-09	6.86E-05	1.32E-13	3.49E-07	2.02E-02	1.05E-03	1.40E-05	3.90E-02
RF	RF122.06-S	7.28	4.04E+01	--	--	--	7.20E-03	5.10E-01	2.50E+02	5.73E+01	6.83E-06	6.36E-03	--	--	8.73E-08	9.80E-06	6.26E-12	6.82E-06	3.85E-03	1.07E-04	6.60E-04	2.81E-04
RF	RF123.01-S	9.38	4.62E+01	--	--	--	7.94E-03	5.17E-01	2.99E+02	6.77E+01	8.51E-06	4.97E-03	--	--	9.10E-08	9.98E-06	7.39E-12	7.30E-06	3.92E-03	1.26E-04	7.80E-04	9.93E-08
RF	RF123.02-S	0.83	1.65E-02	--	--	--	2.78E-06	2.15E-04	8.22E-02	1.86E-02	6.17E-09	2.55E-06	--	--	3.11E-11	8.02E-07	2.01E-15	2.53E-09	2.37E-04	2.70E-05	2.13E-07	2.10E-03
RF	RF123.03-S	12.06	1.84E+02	--	--	--	3.34E-02	5.27E-01	2.04E+02	4.60E+01	1.45E-05	6.30E-03	--	--	4.16E-07	9.45E-06	5.00E-12	3.21E-05	3.78E-03	9.57E-05	5.29E-04	1.47E-03
RF	RF123.04-S	44.51	1.54E+02	--	--	--	2.70E-02	2.08E+00	7.98E+02	1.81E+02	5.73E-05	2.48E-02	--	--	3.19E-07	3.78E-05	1.96E-11	2.52E-05	1.51E-02	3.29E-04	2.08E-03	2.61E-04
RF	RF124.01-S	94.24	4.60E+01	4.35E-06	--	--	9.23E-03	5.77E-01	2.45E+02	5.46E+01	1.41E-05	6.58E-03	--	--	1.30E-07	3.39E-05	6.00E-12	9.49E-06	1.10E-02	2.17E-04	6.32E-04	1.42E-04
RF	RF124.02-S	13.31	1.22E+01	--	--	--	2.21E-03	1.63E-01	6.59E+01	1.47E+01	3.90E-06	1.84E-03	--	--	2.73E-08	3.87E-06	1.61E-12	2.11E-06	1.45E-03	3.49E-05	1.70E-04	8.79E-08
RF	RF125.01-S	14.39	1.42E+02	--	--	--	2.83E-02	7.94E-01	3.82E+02	8.59E+01	1.47E-05	7.65E-03	--	--	3.95E-07	4.31E-05	9.33E-12	2.90E-05	1.42E-02	4.30E-04	9.88E-04	6.28E-04
RF	RF126.01-S	1.04	4.04E+00	--	--	--	6.85E-04	7.73E-02	3.83E+01	8.34E+00	1.17E-06	5.44E-04	--	--	7.70E-09	1.44E-06	9.06E-13	6.24E-07	5.70E-04	1.57E-05	9.59E-05	1.14E-08
RF	RF126.04-S	2.08	8.86E+00	--	--	--	1.50E-03	1.28E-01	7.00E+01	1.57E+01	1.98E-06	1.27E-03	--	--	1.69E-08	2.59E-06	1.70E-12	1.37E-06	1.01E-03	2.98E-05	1.80E-04	3.15E-08
RF	RF128.01-S	198.22	8.67E+02	--	--	--	1.50E-01	1.92E+01	8.41E+03	1.98E+03	2.45E-04	1.51E-01	--	--	1.75E-06	3.32E-04	2.17E-10	1.39E-04	1.34E-01	3.19E-03	2.29E-02	3.76E-08
RF	RF129.01-S	467.76	2.26E+02	9.90E-05	--	1.76E-08	4.03E-02	2.32E+00	8.59E+02	2.00E+02	6.15E-05	2.71E-02	1.77E-18	--	4.86E-07	1.72E-04	2.17E-11	3.81E-05	5.47E-02	1.69E-03	2.30E-03	6.21E-04

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF129.05-S	448.33	2.64E+02	3.31E-04	--	--	5.44E-02	2.09E+00	7.43E+02	1.74E+02	5.70E-05	2.47E-02	--	--	7.86E-07	5.48E-05	1.89E-11	5.68E-05	2.01E-02	4.66E-04	2.00E-03	6.31E-05
RF	RF130.01-S	38.59	2.01E+02	--	7.54E-14	1.13E-07	4.20E-02	1.28E+00	4.90E+02	1.11E+02	3.52E-05	1.52E-02	2.50E-14	4.24E-06	6.13E-07	1.63E-04	4.57E-09	4.41E-05	4.90E-02	1.77E-03	1.28E-03	2.29E-03
RF	RF134.02-S	11.34	2.05E-01	--	--	--	3.48E-05	2.35E-03	9.16E-01	2.07E-01	6.51E-08	2.82E-05	--	--	3.92E-10	3.97E-08	2.24E-14	3.17E-08	1.61E-05	3.45E-07	2.38E-06	1.62E-12
RF	RF135.01-S	2.29	3.06E+00	--	--	--	5.63E-04	8.30E-03	3.28E+00	7.37E-01	2.31E-07	1.00E-04	--	--	7.14E-09	1.24E-06	8.01E-14	5.47E-07	3.81E-04	3.84E-05	8.48E-06	2.89E-03
RF	RF135.02-S	10.4	1.37E+00	--	--	--	2.44E-04	1.57E-02	6.11E+00	1.38E+00	4.54E-07	1.88E-04	--	--	2.94E-09	1.43E-05	1.49E-13	2.30E-07	4.22E-03	1.35E-04	1.58E-05	1.17E-06
RF	RF137.01-S	0.42	2.08E-01	--	--	--	3.85E-05	1.69E-03	6.75E-01	1.51E-01	4.71E-08	2.04E-05	--	--	4.90E-10	2.85E-08	1.65E-14	3.74E-08	1.16E-05	2.54E-07	1.74E-06	1.17E-12
RF	RF139.01-S	11.65	2.03E+02	--	--	--	3.72E-02	8.44E-02	3.31E+01	7.45E+00	2.44E-06	1.01E-03	--	--	4.70E-07	9.73E-06	8.05E-13	3.60E-05	3.03E-03	2.11E-04	8.54E-05	1.30E-02
RF	RF140.01-S	172.16	5.29E+01	1.31E-05	--	--	9.34E-03	6.90E-01	2.45E+02	5.77E+01	1.87E-05	8.12E-03	--	--	1.12E-07	1.20E-05	6.27E-12	8.78E-06	4.86E-03	9.62E-05	6.63E-04	3.55E-08
RF	RF141.01-S	45.55	1.76E+02	--	--	--	2.98E-02	3.66E+00	1.80E+03	4.09E+02	5.92E-05	2.80E-02	--	--	3.35E-07	9.69E-04	4.45E-11	2.71E-05	2.91E-01	9.25E-03	4.71E-03	7.58E-05
RF	RF141.02-S	175.97	1.18E+03	--	--	--	4.43E-01	1.43E+01	7.35E+03	1.70E+03	2.16E-04	1.52E-01	--	--	9.33E-06	1.24E-03	1.85E-10	5.84E-04	3.90E-01	1.22E-02	1.96E-02	8.32E-05
RL	RL105-01	161.63	3.49E+01	1.25E-01	1.33E-06	2.00E-02	6.26E-02	4.27E-01	2.01E+01	1.13E+01	1.58E-05	4.18E-03	--	1.37E-02	1.69E-06	3.77E-05	3.90E-11	9.84E-05	1.19E-02	4.62E-04	2.16E-03	1.13E-02
RL	RL105-03	67.18	1.85E+01	--	--	1.60E-02	7.98E-03	1.34E-01	1.26E+01	6.76E+00	4.52E-06	3.38E-03	--	2.26E-03	1.74E-07	8.29E-05	7.22E-13	1.08E-05	2.48E-02	8.50E-04	7.71E-05	1.80E-02
RL	RL200-01	151.97	8.05E+01	--	--	2.19E-05	1.35E-02	8.93E-01	6.61E+01	3.62E+01	1.90E-05	1.52E-03	2.64E-10	--	1.50E-07	1.45E-05	3.87E-12	1.22E-05	5.97E-03	2.47E-05	4.13E-04	8.64E-11
RL	RL200-02	55.95	9.70E+00	--	--	7.14E-04	1.64E-03	9.07E-03	2.73E+00	1.07E+00	4.26E-08	1.96E-04	--	1.67E-04	1.48E-06	1.53E-06	2.24E-06	4.36E-05	2.27E-04	6.50E-06	2.02E-05	1.54E-04
RL	RL201-01	11.65	1.54E+01	--	--	3.30E-04	2.71E-03	--	1.83E+00	4.38E-01	--	--	--	6.53E-03	3.24E-08	1.43E-08	5.04E-14	2.55E-06	8.11E-06	7.09E-07	5.18E-06	7.32E-03
RL	RL202S-01	1.04	2.81E-02	--	--	--	5.13E-06	1.90E-04	7.54E-02	1.76E-02	1.85E-09	8.43E-07	--	--	6.44E-11	3.35E-09	1.95E-15	4.95E-09	1.35E-06	2.87E-08	2.05E-07	4.89E-14
RL	RL209E-01	82.44	3.00E+02	--	--	1.06E-10	5.75E-02	4.32E+00	6.85E+02	2.43E+02	1.62E-05	3.70E-02	--	7.33E-11	7.77E-07	1.36E-04	2.85E-11	5.76E-05	4.75E-02	7.77E-04	2.90E-03	1.31E-03
RL	RL216Z-02	310.71	1.68E+03	--	--	--	2.84E-01	2.45E+01	3.24E+03	1.11E+03	4.00E-04	5.54E-02	--	--	3.18E-06	4.08E-04	1.19E-10	2.58E-04	1.67E-01	1.22E-03	1.27E-02	3.17E-09
RL	RL221T-01	6.66	1.09E-03	--	--	--	2.03E-07	2.19E-05	2.08E-03	1.14E-03	1.29E-10	4.79E-08	--	--	2.68E-12	5.13E-10	1.44E-16	2.01E-10	1.91E-07	8.43E-10	1.41E-08	2.96E-15
RL	RL221U-01	2.1	2.77E-04	--	--	1.92E-05	5.19E-08	2.24E-05	5.90E-04	5.44E-05	--	--	--	5.84E-06	1.73E-10	1.59E-06	1.02E-12	4.63E-09	4.34E-04	1.45E-05	5.05E-05	3.18E-04
RL	RL222S-01	133.04	1.30E+01	8.12E-05	--	1.90E-06	4.70E-03	5.99E-02	4.71E+00	2.40E+00	1.20E-06	1.01E-04	--	6.93E-07	2.47E-03	1.05E-06	5.50E-07	7.09E-02	4.31E-04	2.28E-06	2.73E-05	1.49E-02
RL	RL231Z-01	1535.91	1.95E+02	5.44E-03	--	8.52E-06	5.99E-02	3.51E+00	6.41E+02	1.67E+02	1.59E-05	2.12E-02	--	5.90E-06	1.19E-06	4.05E-04	1.91E-11	7.56E-05	1.23E-01	2.82E-03	1.97E-03	1.61E-02
RL	RL231Z-03	1.46	2.59E-04	--	--	--	4.77E-08	2.82E-06	2.57E-04	1.41E-04	2.03E-11	5.92E-09	--	--	6.12E-13	6.24E-11	1.73E-17	4.65E-11	2.36E-08	1.03E-10	1.73E-09	3.61E-16
RL	RL233S-01	67.69	2.23E+01	--	--	5.25E-07	1.87E-02	3.59E-01	5.27E+01	1.66E+01	2.14E-06	5.12E-03	--	3.68E-07	4.75E-07	6.93E-06	1.80E-12	2.80E-05	2.72E-03	2.92E-05	1.91E-04	1.40E-04
RL	RL233S-03	4.78	2.55E-01	--	--	1.14E-09	3.71E-04	6.08E-03	4.07E-01	1.67E-01	1.12E-08	1.42E-04	--	7.94E-10	9.83E-09	9.79E-08	1.78E-14	5.75E-07	4.04E-05	1.52E-07	1.90E-06	8.07E-12
RL	RL2718-01	0.62	4.85E-01	--	--	--	8.61E-05	5.65E-03	5.28E-01	2.86E-01	6.34E-08	1.09E-05	--	--	1.04E-09	1.11E-07	3.33E-14	8.14E-08	4.32E-05	2.06E-07	3.40E-06	6.47E-13
RL	RL300-01	194.73	2.86E+02	5.92E-03	--	4.12E-08	5.59E-02	5.48E+00	5.59E+02	2.48E+02	5.18E-05	4.92E-02	--	2.88E-08	7.57E-07	4.94E-04	3.96E-04	5.63E-05	1.56E-01	6.32E-03	2.83E-03	1.10E-01
RL	RL300-03	2.08	5.25E+00	--	--	--	9.14E-04	9.19E-02	9.63E+00	4.92E+00	9.49E-07	9.39E-04	--	--	1.07E-08	1.88E-06	5.23E-13	8.50E-07	7.29E-04	7.54E-06	5.60E-05	5.94E-05
RL	RL308-01	604.29	1.40E+04	1.76E-03	--	3.37E-05	2.35E+00	3.25E+02	9.88E+03	6.23E+03	1.95E-03	6.15E+00	--	2.35E-05	2.77E-03	5.71E-03	5.87E-04	8.13E-02	2.30E+00	1.83E-02	7.09E-02	2.14E-01
RL	RL325-01	1373.4	1.71E+03	6.33E-01	7.32E-06	2.58E-04	5.69E-01	6.19E+01	2.32E+03	9.28E+02	2.61E-04	2.81E-01	--	2.00E-04	1.91E-03	2.42E-03	3.19E-03	5.54E-02	8.34E-01	1.54E-02	1.06E-02	1.51E-01
RL	RL325-03	4.37	6.91E+00	--	--	1.62E-07	3.31E-03	4.22E-02	8.14E+00	2.37E+00	6.42E-07	2.45E-04	--	1.14E-07	7.46E-08	7.22E-06	2.54E-13	4.58E-06	2.21E-03	6.74E-05	2.71E-05	9.32E-04
RL	RLARG-01	5.62	1.15E+01	--	--	--	2.08E-03	1.30E-01	1.13E+01	6.21E+00	1.19E-06	2.61E-04	--	--	3.96E-02	2.69E-06	6.60E-04	1.08E+00	1.03E-03	4.47E-06	7.48E-05	1.57E-11
RL	RLBART-01	0.62	2.36E-06	--	--	--	4.32E-10	--	--	--	5.14E-13	--	--	--	5.48E-15	--	--	4.19E-13	--	--	--	--
RL	RLBAT-01	44.76	8.42E+00	3.32E-06	--	4.01E-10	2.59E-03	4.94E+00	8.26E+00	4.53E+00	9.53E-07	2.02E-04	--	2.83E-10	5.28E-08	1.13E-04	4.75E-06	3.30E-06	4.23E-02	1.22E-04	5.43E-05	3.91E-04
RL	RLBET-01	0.42	3.97E-03	--	--	1.39E-08	7.19E-07	1.13E-04	9.95E-03	5.45E-03	9.93E-10	2.27E-07	--	--	8.98E-12	2.36E-09	6.53E-16	6.91E-10	9.06E-07	7.99E-06	6.59E-08	1.37E-14
RL	RLBW-01	405.26	4.94E+02	4.65E-05	--	3.34E-05	8.71E-02	8.49E+00	9.10E+02	4.21E+02	8.92E-05	7.81E-02	--	2.33E-05	2.58E-03	2.04E-04	4.48E-11	7.43E-02	7.62E-02	8.62E-04	4.79E-03	1.18E-02
RL	RLBW-03	0.83	1.96E+00	--	--	1.24E-10	3.48E-04	3.73E-02	2.95E+00	1.56E+00	3.43E-07	3.25E-04	--	8.85E-11	4.19E-09	9.00E-07	1.65E-13	3.29E-07	3.36E-04	4.08E-06	1.77E-05	4.47E-05
RL	RLCBWD.001-S	71.7	6.99E+01	--	--	5.43E-08	1.24E-02	1.22E+00	1.26E+02	5.87E+01	1.22E-05	1.06E-02	--	3.80E-08	6.09E-04	2.93E-05	6.27E-12	1.75E-02	1.10E-02	1.27E-04	6.69E-04	1.49E-03
RL	RLCFF-01	10.82	1.19E+01	--	--	1.32E-10	1.99E-03	1.75E-01	2.02E+01	9.97E+00	2.09E-06	1.68E-03	--	9.25E-11	2.20E-08	3.25E-06	4.48E-08	1.80E-06	1.29E-03	1.21E-05	1.13E-04	1.24E-04
RL	RLCFF-03	4.99	3.92E+00	--	--	--	7.03E-04	4.97E-02	7.12E+00	3.39E+00	2.66E-07	4.47E-04	--	--	8.63E-09	1.19E-06	4.00E-13	6.70E-07	4.42E-04	5.08E-06	4.06E-05	4.90E-05
RL	RLCFFD.001-S	273.7	3.47E+02	--	--	3.16E-09	5.85E-02	5.01E+00	5.92E+02	2.91E+02	5.58E-05	4.65E-02	--	2.21E-09	6.53E-07	9.61E-05	1.31E-06	5.31E-05	3.78E-02	3.56E-04	3.33E-03	2.99E-03
RL	RLCH2-01	0.21	5.29E-03	--	--	--	9.03E-07	--	--	--	--	--	--	--	1.03E-11	--	--	8.27E-10	--	--	--	--

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RLESG-01	49.89	2.66E+01	--	--	1.97E-05	4.86E-03	2.96E-01	3.58E+01	1.58E+01	2.91E-06	3.08E-03	--	1.18E-05	6.09E-08	2.01E-04	1.39E-05	4.69E-06	5.94E-02	1.48E-03	1.82E-04	1.43E-03
RL	RLEXX-01	43.47	3.46E+03	3.17E-05	--	7.39E-10	6.31E-01	5.18E+01	1.71E+03	1.48E+03	1.16E-04	1.60E+00	--	5.20E-10	7.96E-06	1.11E-03	1.79E-10	6.10E-04	4.23E-01	6.82E-04	1.79E-02	1.58E-05
RL	RLGEV-01	379.34	1.19E+02	--	--	4.94E-09	2.24E-02	1.82E+00	2.20E+02	9.20E+01	7.41E-06	1.52E-02	--	3.40E-09	2.94E-07	3.71E-04	1.11E-11	2.21E-05	1.07E-01	2.40E-03	1.11E-03	5.29E-02
RL	RLHAN-01	154.73	9.92E+01	3.51E-04	--	5.18E-06	1.86E-02	1.35E+00	1.02E+02	5.28E+01	2.16E-05	2.41E-03	--	3.69E-06	5.15E-04	3.30E-05	1.69E-04	1.47E-02	1.22E-02	1.32E-04	6.10E-04	1.24E-03
RL	RLHMOX.001-S	193.86	6.04E+03	4.15E-04	--	1.04E-07	1.43E+00	8.62E+01	7.67E+03	3.78E+03	8.20E-04	1.96E+00	--	7.22E-08	2.32E-05	4.02E-03	4.10E-10	1.60E-03	1.34E+00	5.13E-02	4.34E-02	5.96E-01
RL	RLIAEA-01	0.21	4.77E-01	--	--	7.18E-09	9.25E-05	2.30E-02	2.23E-01	2.80E-01	3.15E-08	4.28E-04	--	--	1.28E-09	4.70E-07	3.32E-14	9.37E-08	1.81E-04	8.77E-08	3.36E-06	2.57E-11
RL	RLM233SD.001-S	17.28	3.55E+00	--	--	4.31E-08	4.68E-03	6.89E-02	1.17E+01	3.20E+00	4.03E-07	7.94E-04	--	3.02E-08	1.24E-07	1.21E-06	3.42E-13	7.24E-06	4.88E-04	5.26E-06	3.65E-05	1.34E-05
RL	RLM308D.001-S	67.07	1.27E+03	1.04E-03	--	2.80E-06	2.33E-01	2.89E+01	9.57E+02	5.88E+02	1.56E-04	5.79E-01	--	1.95E-06	3.49E-04	6.48E-04	1.56E-04	1.01E-02	2.46E-01	2.11E-03	6.74E-03	2.50E-02
RL	RLM325D.001-S	2.08	2.24E+00	1.44E-04	--	1.09E-07	4.09E-04	3.07E-02	3.17E+00	1.15E+00	3.23E-07	2.80E-04	--	7.72E-08	5.11E-09	4.42E-06	1.23E-13	3.94E-07	1.36E-03	4.88E-05	1.31E-05	4.54E-05
RL	RLMHASH.001-S	62.19	4.77E+02	--	--	6.18E-10	8.15E-02	3.96E+00	2.42E+03	5.81E+02	4.64E-05	8.17E-02	--	2.25E-10	6.18E-05	6.82E-05	6.38E-11	1.80E-03	2.76E-02	9.16E-04	6.72E-03	4.71E-09
RL	RLMLB-01	0.42	5.21E-02	--	8.63E-06	--	9.50E-06	5.77E-04	5.15E-02	1.34E-01	4.69E-09	1.19E-06	--	--	1.20E-10	1.24E-08	1.63E-14	9.18E-09	4.71E-06	2.05E-08	1.63E-06	7.17E-14
RL	RLMLL-01	1.04	1.18E-01	--	--	--	2.22E-05	1.24E-03	1.19E-01	6.49E-02	7.00E-09	2.73E-06	--	--	2.94E-10	2.93E-08	8.23E-15	2.20E-08	1.09E-05	4.82E-08	8.07E-07	1.69E-13
RL	RLMPDT.001-S	1678.3	2.48E+03	1.80E-03	--	4.16E-06	5.50E-01	5.13E+01	6.68E+03	2.12E+03	4.35E-04	4.28E-01	--	2.90E-06	1.21E-02	9.60E-04	3.38E-06	3.47E-01	3.80E-01	3.52E-03	2.43E-02	7.55E-03
RL	RLMPURX.001-S	117.89	4.57E+02	1.12E-04	--	2.33E-06	7.82E-02	9.94E+00	9.72E+02	3.73E+02	1.58E-04	9.88E-02	--	1.56E-06	1.41E-03	1.67E-04	4.03E-11	4.04E-02	6.82E-02	3.82E-04	4.28E-03	2.62E-04
RL	RLMSSC.001-S	64.69	5.66E+02	--	--	--	9.64E-02	1.09E+01	2.76E+03	5.96E+02	1.48E-04	7.24E-02	--	--	1.09E-06	1.86E-04	6.50E-11	8.82E-05	7.54E-02	1.05E-03	6.87E-03	3.93E-04
RL	RLMWARD.001-S	20.59	1.62E+01	--	--	7.00E-10	2.87E-03	4.14E-01	1.02E+01	6.85E+00	2.53E-06	5.52E-03	--	4.89E-10	3.44E-08	1.82E-05	7.32E-13	2.70E-06	6.15E-03	1.17E-04	7.81E-05	1.02E-03
RL	RLNPDT.002-S	438.3	4.65E+02	3.37E-03	--	2.37E-07	8.12E-02	1.02E+01	1.99E+03	4.61E+02	9.66E-05	8.38E-02	--	1.26E-07	9.56E-07	1.91E-04	6.21E-08	7.58E-05	7.56E-02	9.11E-04	5.33E-03	4.35E-04
RL	RLNPURX.001-S	38.82	2.27E+02	3.99E-05	--	3.25E-07	3.86E-02	5.09E+00	4.08E+02	1.54E+02	8.74E-05	5.01E-02	--	1.60E-07	4.36E-07	8.67E-05	1.68E-11	3.52E-05	3.52E-02	1.54E-04	1.77E-03	2.88E-09
RL	RLPFP-01	12412.85	2.49E+04	7.25E-03	--	3.26E-05	4.76E+00	5.21E+02	7.09E+04	2.24E+04	4.70E-03	4.67E+00	--	2.28E-05	1.01E-01	1.99E-02	4.91E-04	2.91E+00	6.88E+00	1.24E-01	2.54E-01	1.79E+00
RL	RLPFP-03	22.26	1.27E+02	--	--	1.31E-08	2.24E-02	2.39E+00	3.26E+02	1.02E+02	1.85E-05	2.17E-02	--	9.12E-09	1.67E-04	1.21E-04	1.10E-11	4.80E-03	4.00E-02	2.56E-04	1.17E-03	1.11E-03
RL	RLPFP-04	3.74	1.57E-01	--	--	--	2.63E-05	3.15E-03	8.47E-01	2.05E-01	3.41E-08	1.81E-05	--	--	2.91E-10	5.13E-08	2.19E-14	2.38E-08	2.11E-05	3.17E-07	2.34E-06	1.03E-12
RL	RLPRC-01	2.1	9.30E-02	--	--	--	1.67E-05	1.65E-03	3.41E-01	8.43E-02	1.27E-08	5.88E-06	--	--	2.05E-10	3.75E-08	1.04E-04	1.59E-08	1.41E-05	1.87E-07	1.01E-06	1.15E-06
RL	RLPURX-01	598.06	2.85E+03	3.88E-04	--	1.50E-05	4.82E-01	6.33E+01	6.18E+03	2.31E+03	1.11E-03	5.79E-01	--	1.01E-05	5.12E-02	1.03E-03	2.46E-10	1.48E+00	4.24E-01	2.42E-03	2.63E-02	1.87E-03
RL	RLRFETS.001-S	63.86	3.97E+02	--	--	3.21E-09	6.79E-02	4.11E+00	3.77E+03	6.08E+02	6.91E-05	6.53E-02	--	2.52E-10	2.65E-04	8.79E-05	6.68E-11	7.56E-03	3.37E-02	1.60E-03	7.03E-03	3.76E-09
RL	RLSWO-01	311.18	1.84E+02	2.66E-05	--	2.25E-06	3.31E-02	2.50E+00	4.66E+02	1.48E+02	2.62E-05	2.02E-02	--	1.57E-06	9.18E-04	5.60E-05	1.57E-11	2.65E-02	2.13E-02	3.41E-04	1.68E-03	9.17E-04
RL	RLSWOCD.001-S	5.82	3.13E+00	--	--	7.94E-08	5.35E-04	5.42E-02	1.07E+01	3.17E+00	4.93E-07	3.33E-04	--	5.54E-08	6.09E-09	1.01E-06	3.39E-13	4.90E-07	4.02E-04	5.42E-06	3.62E-05	1.52E-08
RL	RLVIPAC.001-S	154.98	2.25E+02	1.64E-05	--	3.28E-07	4.08E-02	7.95E+00	9.67E+02	2.87E+02	2.07E-05	8.82E-02	--	2.29E-07	5.38E-04	1.89E-03	3.07E-11	1.55E-02	5.74E-01	1.40E-02	3.28E-03	2.62E-01
RL	RLWAR-01	716.89	3.83E+02	--	--	1.20E-08	6.75E-02	1.01E+01	2.44E+02	1.63E+02	6.17E-05	1.34E-01	--	8.43E-09	8.03E-07	4.25E-04	1.74E-11	6.33E-05	1.45E-01	2.76E-03	1.86E-03	1.41E-02
RL	RLWAR-03	2.5	3.51E+00	--	--	--	6.34E-04	8.64E-02	1.98E+00	1.21E+00	4.73E-07	9.96E-04	--	--	7.80E-09	1.39E-06	1.29E-13	6.06E-07	5.73E-04	7.37E-07	1.38E-05	5.65E-11
SA	SA-T001	6.37	5.81E-01	--	2.61E-06	--	1.20E-04	1.15E-02	3.53E+00	2.03E-02	--	--	--	--	1.77E-09	2.15E-07	4.65E-03	1.26E-07	8.51E-05	1.36E-06	2.40E-07	--
SA	SA-W134	14.14	5.38E+00	1.47E-06	8.03E-10	9.69E-03	1.54E-02	2.03E-02	8.27E-01	1.12E-01	2.32E-09	8.87E-10	--	7.41E-03	6.63E-05	1.33E-05	1.25E-14	1.87E-03	3.88E-03	2.25E-04	1.30E-06	4.09E-04
SA	SA-W134M	2.08	1.13E-01	7.68E-10	1.12E-10	2.57E-05	2.84E-05	3.48E-04	5.99E-02	2.10E-02	1.28E-09	4.63E-13	--	1.96E-05	1.59E-04	1.58E-05	2.35E-15	4.46E-03	4.55E-03	4.72E-05	2.45E-07	6.24E-05
SA	SA-W136	25.62	5.47E-01	--	--	--	9.18E-05	4.41E-02	1.45E+01	3.23E+00	3.74E-07	3.89E-04	--	--	1.02E-09	7.17E-07	3.45E-13	8.29E-08	2.95E-04	5.41E-06	3.68E-05	2.21E-11
SR	SR2001.001.00-S	61.15	9.41E-01	--	--	8.45E-10	1.61E-04	5.50E-02	9.55E+00	1.85E+00	3.74E-07	1.93E-04	--	--	1.83E-09	9.49E-07	2.02E-13	1.47E-07	3.84E-04	3.62E-06	2.13E-05	1.12E-11
SR	SR2002.002.00-S	69.89	3.10E+00	--	--	2.89E-09	5.27E-04	2.39E-02	1.12E+01	2.52E+00	8.92E-07	3.57E-04	--	1.88E-10	3.11E-03	4.08E-07	2.75E-13	8.84E-02	1.66E-04	4.24E-06	2.90E-05	2.05E-11
SR	SR-BCLCH-MT01	11.34	2.23E+01	--	--	--	3.78E-03	1.92E+02	6.16E+01	1.57E+01	8.86E-06	2.65E-03	--	--	4.25E-08	3.23E-03	1.70E-12	3.44E-06	1.32E+00	2.32E-05	1.80E-04	1.52E-10
SR	SR-SWMF-HET-A	731.23	1.03E+02	1.17E-01	8.69E-06	3.88E-03	5.85E-02	4.63E+01	3.81E+02	8.16E+01	3.92E-05	1.17E+00	--	1.72E-02	2.83E-05	3.82E-03	1.38E-11	8.63E-04	1.22E+00	3.01E-04	1.21E-03	1.37E+00
SR	SR-SWMF-SOIL	2.91	2.17E+00	4.73E+00	9.44E-05	--	3.97E-04	3.54E-01	6.56E-02	2.92E+00	4.74E-02	1.61E-03	5.37E-12	--	5.08E-09	7.31E-06	3.59E-13	3.86E-07	2.78E-03	1.51E-08	3.58E-05	9.65E-11
SR	SR-T001-221H-HEPA	298.79	2.43E+00	--	--	2.51E-03	1.15E-02	2.28E+01	1.15E+01	3.59E+00	7.54E-07	7.60E-04	--	1.10E-06	1.57E-03	4.74E-04	1.77E-11	4.33E-02	1.82E-01	7.43E-05	9.35E-04	4.86E-05
SR	SR-W026-221F-HEPA	1588.04	2.37E+02	--	--	5.97E-08	4.21E-02	3.08E+01	1.18E+03	2.67E+02	7.82E-05	1.01E-01	--	2.05E-13	5.08E-07	6.02E-04	3.11E-11	3.98E-05	2.35E-01	4.59E-04	3.18E-03	3.13E-08
SR	SR-W026-221F-HET	867.37	1.32E+02	6.58E-04	6.42E-08	1.38E-04	2.37E-02	8.10E+00	3.71E+02	8.29E+01	3.07E-04	1.96E-01	--	2.98E-05	2.94E-03	2.16E-04	1.17E-11	8.40E-02	7.88E-02	8.07E-04	1.10E-03	7.83E-04
SR	SR-W026-221F-HET-S	574.42	2.43E+02	5.41E-05	4.31E-08	5.01E-08	4.60E-02	1.63E+01	1.17E+03	3.16E+02	7.50E-05	3.90E-02	--	4.11E-08	6.03E-07	7.73E-04	3.95E-05	4.55E-05	2.58E-01	2.17E-03	3.63E-03	1.29E-02

Table B 5. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W026-221F-HOM	8.45	3.23E-01	--	--	1.58E-09	5.74E-05	3.48E-02	2.55E+00	4.80E-01	8.45E-08	6.10E-05	--	4.62E-15	6.95E-10	6.92E-07	5.58E-14	5.43E-08	2.69E-04	9.99E-07	5.71E-06	1.20E-09
SR	SR-W026-772F-HET	501.86	5.43E+01	--	1.52E-08	4.64E-04	1.88E-01	4.41E+02	1.09E+02	2.71E+01	1.73E-05	2.94E-02	--	2.10E-04	8.09E-05	1.06E-02	2.36E-11	2.47E-03	3.97E+00	1.17E-03	1.41E-03	3.67E-03
SR	SR-W026-772F-HET-S	1419.83	1.31E+02	7.71E-04	5.18E-08	1.04E-05	1.56E-01	2.60E+02	3.26E+02	8.73E+01	5.20E-05	1.46E-02	--	7.04E-06	2.59E-03	7.19E-03	4.55E-04	7.41E-02	2.61E+00	1.42E-03	1.00E-03	1.04E-03
SR	SR-W027-221F-HET	636.58	6.20E+02	--	--	--	1.05E-01	5.32E+01	1.80E+03	4.11E+02	2.26E-04	1.37E-01	--	--	1.18E-06	8.97E-04	4.47E-11	9.59E-05	3.65E-01	6.78E-04	4.73E-03	4.73E-06
SR	SR-W027-221F-HETA-S	2110.05	5.81E+02	8.31E-05	--	3.79E-04	1.07E-01	3.17E+01	2.01E+03	6.09E+02	2.86E-04	1.05E-01	--	3.62E-08	5.29E-03	1.39E-03	1.07E-04	1.51E-01	4.67E-01	8.86E-04	7.00E-03	2.20E-03
SR	SR-W027-221F-HOM	3.33	5.57E+00	--	--	--	1.02E-03	4.12E-01	1.67E+01	3.80E+00	6.74E-07	6.84E-04	--	--	1.30E-08	9.03E-06	4.65E-13	9.93E-07	3.42E-03	6.67E-06	4.64E-05	4.16E-11
SR	SR-W027-221H-HEPA	162.54	2.62E+00	--	--	3.03E-04	1.85E-02	2.70E+02	5.63E+00	2.55E+00	1.75E-06	2.50E-03	--	7.80E-05	1.40E-05	4.40E-03	7.65E-12	4.17E-04	1.81E+00	3.30E-05	4.25E-04	1.34E-06
SR	SR-W027-221H-HET	2640	3.42E+02	7.39E-04	--	8.15E-03	1.41E+01	2.34E+04	1.76E+03	5.81E+02	1.55E-04	2.52E-01	--	2.74E-03	9.15E-04	3.97E-01	1.86E-09	3.78E-02	1.61E+02	5.33E-02	1.03E-01	6.53E-03
SR	SR-W027-221H-HET-S	2885.74	2.06E+02	2.03E-02	4.66E-09	2.29E-06	6.07E-01	3.16E+03	1.63E+02	5.30E+01	1.66E-04	3.24E-02	--	1.76E-06	2.37E-02	9.04E-02	4.93E-03	6.79E-01	3.26E+01	2.90E-03	6.07E-04	3.56E-03
SR	SR-W027-221H-HOM	1.04	3.84E-02	--	--	1.56E-06	7.51E-06	6.78E-02	2.00E-01	1.00E-01	5.53E-09	3.26E-05	--	--	1.07E-10	1.10E-05	3.17E-14	7.72E-09	3.19E-03	3.15E-05	2.20E-06	3.01E-06
SR	SR-W027-235F-HET	569.4	1.13E+02	--	--	--	1.68E+00	4.67E+03	9.22E+01	4.42E+01	7.37E-05	1.23E-01	--	--	4.85E-05	7.70E-02	4.75E-12	2.76E-03	3.16E+01	6.82E-05	5.06E-04	6.02E-04
SR	SR-W027-235F-HET-S	394.57	3.39E+01	5.07E-05	--	4.98E-08	5.75E-01	4.33E+02	2.27E+01	1.19E+01	2.46E-05	6.78E-03	--	3.83E-08	1.65E-05	1.24E-02	4.29E-04	9.43E-04	4.47E+00	1.19E-03	1.36E-04	2.53E-04
SR	SR-W027-235F-HOMO	3.33	5.51E-01	--	--	--	9.75E-05	3.90E+01	6.00E-01	3.16E-01	1.14E-07	3.89E-04	--	--	1.17E-09	7.55E-04	3.66E-14	9.19E-08	2.96E-01	2.33E-07	3.75E-06	2.30E-11
SR	SR-W027-773A-HET	4449.74	2.04E+02	1.90E+01	1.02E-03	9.38E-02	3.89E-01	7.57E+02	7.82E+02	1.89E+02	1.90E-01	7.87E-01	9.91E-10	5.21E-02	1.46E-03	1.26E-02	1.30E-10	4.23E-02	5.14E+00	1.35E-03	8.06E-03	2.00E-03
SR	SR-W027-773A-HET-S	505.72	3.49E+01	3.86E-01	1.22E-05	9.13E-06	6.88E-02	1.51E+02	1.04E+02	2.43E+01	1.77E-03	2.85E-03	--	7.01E-06	1.09E-04	4.28E-03	2.03E-04	3.19E-03	1.55E+00	3.31E-04	2.78E-04	4.06E-03
SR	SR-W027-999-AGNS-HET	45.87	1.19E+00	--	--	2.05E-05	2.79E-03	8.32E-02	3.12E+00	9.11E-01	1.83E-07	1.16E-04	--	1.10E-05	8.70E-08	2.57E-06	8.61E-13	4.72E-06	8.97E-04	9.45E-06	4.88E-05	1.20E-07
SR	SR-W027-999-AGNS-HOM	3.33	1.12E+00	--	--	--	1.92E-03	8.47E-02	3.43E+00	7.82E-01	1.39E-07	1.41E-04	--	--	5.87E-08	2.66E-06	9.56E-14	3.20E-06	9.25E-04	1.24E-05	9.54E-06	2.37E-04
SR	SR-W027-999-LASL-HET	124.8	4.75E+01	--	--	--	8.95E-03	1.33E+03	2.39E+01	1.44E+01	3.87E-06	1.72E-02	--	--	1.19E-07	3.19E-02	1.83E-12	8.89E-06	1.18E+01	9.74E-06	1.79E-04	1.07E-09
SR	SR-W027-999-LASL-HOM	18.72	1.52E+01	--	--	--	2.88E-03	6.02E+02	1.08E+01	6.03E+00	1.22E-06	7.33E-03	--	--	3.82E-08	1.44E-02	7.68E-13	2.85E-06	5.34E+00	4.39E-06	7.51E-05	4.55E-10
SR	SR-W027-999-MD-HET	8974.57	4.76E+02	--	1.59E-09	1.99E-08	9.13E-02	3.88E+04	7.39E+02	3.83E+02	5.90E-05	4.54E-01	1.02E-13	--	2.85E-03	9.29E-01	4.88E-11	7.53E-02	3.44E+02	6.96E-04	4.77E-03	8.76E-03
SR	SR-W027-999-MD-HOM-A	2.7	6.05E-02	--	--	--	1.01E-04	5.07E+00	6.89E-02	5.34E-03	9.56E-10	--	--	--	3.13E-09	1.21E-04	6.60E-16	1.70E-07	4.49E-02	1.10E-06	6.55E-08	--
SR	SR-W027-999-MD-HOM-B	22.64	2.42E-03	--	--	--	9.06E-07	1.06E-02	--	--	--	--	--	--	2.09E-11	2.38E-07	--	1.25E-09	8.97E-05	--	--	--
SR	SR-W027-999-MD-HOM-C	3.01	1.10E-03	--	--	--	2.03E-07	3.12E-02	2.35E-04	--	--	8.68E-08	--	--	2.61E-12	6.92E-07	--	1.98E-10	2.61E-04	9.46E-11	--	3.43E-15
SR	SR-W027-999-MD-SOIL	482.01	3.75E-02	--	--	6.77E-09	2.14E-04	1.35E+00	8.91E-01	--	--	1.16E-07	--	--	6.92E-09	3.03E-05	--	3.71E-07	1.14E-02	3.58E-07	--	4.58E-15
SR	SR-W027-FB-PRE86-C-S	2565.65	6.46E+02	1.51E-04	3.36E-07	1.05E-07	1.65E-01	1.56E+01	2.94E+03	6.80E+02	3.97E-04	1.89E-01	--	7.65E-08	2.94E-04	6.54E-04	9.85E-05	8.53E-03	2.22E-01	1.28E-03	7.80E-03	9.44E-04
SR	SR-W027-HBL-Box-A	7856.75	5.20E+01	--	--	8.67E-05	9.06E-01	3.11E+03	4.82E+01	2.54E+01	8.72E-06	3.13E-02	--	4.68E-05	2.81E-05	6.09E-02	2.96E-12	1.54E-03	2.38E+01	1.88E-05	3.02E-04	1.85E-09
SR	SR-W027-SRSG-HET	989.45	3.89E+02	3.42E-04	5.72E-09	5.68E-05	1.59E-01	1.89E+02	2.16E+02	4.94E+01	1.04E-04	1.14E-02	--	1.24E-03	1.61E-05	4.34E-03	6.81E-11	5.52E-04	1.62E+00	3.46E-04	3.70E-03	8.73E-05
SR	SR-W027-SRSG-HOM	66.94	1.74E+01	4.44E-03	2.82E-08	5.53E-07	3.18E-01	9.86E+01	1.33E+02	1.76E+01	2.45E-03	1.34E+00	--	4.36E-08	4.86E-02	1.30E-02	1.82E-10	1.30E+00	3.79E+00	2.43E-03	9.18E-03	1.42E-01
Total		168485	2.77E+05	6.94E+01	3.97E-03	1.68E-01	7.90E+01	9.25E+04	5.05E+05	1.39E+05	2.56E+00	7.46E+01	3.49E-04	1.21E-01	1.36E+01	2.64E+00	2.75E-01	1.56E+02	7.98E+02	4.60E+00	2.82E+00	2.71E+01

Table B 6. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	2151.31	1.09E+02	5.51E-04	1.56E-06	1.23E-01	4.87E-02	8.15E+00	3.13E+02	6.64E+01	5.81E-06	--	--	2.41E-02	1.25E-04	1.89E-04	8.33E-12	3.38E-03	7.05E-02	2.92E-03	8.20E-04	1.10E-03
AW	AW-T031.1322	114.51	1.47E+01	9.20E-04	4.76E-09	4.35E+00	5.58E-03	2.13E+00	3.59E+02	3.34E+01	8.78E-07	9.70E-04	--	4.43E+00	1.47E-07	6.68E-03	6.44E-10	8.20E-06	1.96E+00	7.38E-03	3.45E-02	1.02E-02
AW	AW-W026	0.89	6.74E-02	--	--	1.97E-05	1.18E-05	--	2.19E-02	--	--	--	--	5.37E-05	1.41E-10	5.99E-13	--	1.11E-08	3.42E-10	2.28E-06	--	3.09E-07
AW	AW-W028	79.83	--	--	--	2.74E-03	--	--	1.92E+00	9.82E-02	--	--	--	5.85E-03	--	1.04E-10	1.12E-14	--	5.96E-08	1.01E-04	1.16E-06	5.39E-05
AW	AW-W046	40.8	4.00E+00	--	--	5.52E+00	1.57E-03	3.71E-01	4.62E+00	2.85E+00	2.70E-07	6.92E-04	--	4.63E+00	3.33E-08	6.11E-06	3.05E-13	2.08E-06	2.53E-03	1.11E-02	3.25E-05	4.33E-02
AW	AW-W047	22.57	--	--	--	2.75E-01	--	--	9.21E-03	--	--	--	--	2.30E-01	--	--	--	--	--	3.47E-09	--	--
BT	BT-T001	2.67	2.23E+00	1.88E-02	2.31E-07	1.51E+00	2.73E-02	1.10E+01	3.73E-01	4.06E-01	1.01E-06	2.99E-03	--	1.15E+00	3.08E-01	5.03E-03	2.27E-03	8.21E+00	1.22E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	7.42E-01	6.27E-03	7.70E-08	5.04E-01	9.11E-03	3.67E+00	1.24E-01	1.35E-01	3.37E-07	9.96E-04	--	3.83E-01	1.03E-01	1.68E-03	7.56E-04	2.74E+00	4.08E-01	2.22E-03	2.52E-02	1.54E-05
IN	ID-ANLE-S5000-S	88.11	1.28E+01	--	--	4.91E-02	2.14E-03	4.20E-01	2.90E+01	1.49E+01	3.29E-06	8.79E-01	--	2.84E-02	2.64E-03	3.26E-04	1.58E-12	7.61E-02	9.72E-02	3.36E-03	1.69E-04	5.67E-04
IN	IN-AE-AGHC-01	95.23	3.05E+01	--	--	1.35E-01	5.09E-03	1.04E+00	7.30E+01	3.73E+01	8.01E-06	1.22E-02	--	7.71E-02	4.57E-03	8.22E-04	3.97E-12	1.32E-01	2.45E-01	8.47E-03	4.24E-04	1.42E-03
IN	IN-AW-161	1.78	--	--	--	5.98E-05	--	--	2.29E+00	4.71E-02	--	--	--	--	--	2.18E-13	5.53E-15	--	1.23E-10	2.25E-06	5.63E-07	1.10E-07
IN	IN-ID-BTO-030	1.78	2.94E-03	6.66E-04	--	7.74E-03	7.27E-04	2.97E-01	6.13E-03	5.99E-03	--	6.01E-05	--	5.79E-03	5.17E-03	5.94E-06	1.48E-05	1.42E-01	2.31E-03	7.98E-05	7.17E-08	3.59E-12
IN	IN-ID-INL-152	16.91	--	--	--	8.57E-02	2.35E-05	--	6.39E+00	2.40E+00	--	--	--	6.17E-02	2.40E-03	1.31E-09	4.06E-05	6.58E-02	7.36E-07	2.61E-03	2.87E-05	6.58E-04
IN	IN-INTEC-SFS-01	0.89	1.11E+00	--	--	5.19E-04	2.04E-04	8.60E-02	2.39E-01	2.69E-01	2.09E-07	1.00E-03	--	2.90E-04	2.63E-09	1.93E-06	3.32E-14	2.00E-07	7.26E-04	8.69E-06	3.30E-06	6.14E-11
IN	IN-NRF-153	8.01	8.09E-03	--	--	--	1.49E-06	1.18E-02	3.21E-03	3.36E-03	1.60E-09	1.16E-05	--	--	1.91E-11	2.62E-07	4.13E-16	1.45E-09	9.90E-05	4.74E-05	4.11E-08	7.08E-13
IN	IN-TRA-150	3.56	2.07E+01	--	--	--	3.67E-03	2.01E+00	--	--	--	--	--	--	4.43E-08	3.94E-05	--	3.46E-06	1.54E-02	--	--	--
IN	IN-TRA-157	4.45	8.54E-02	--	6.76E-09	3.50E-05	1.49E-05	7.35E-03	4.13E-03	5.26E-05	--	--	--	2.46E-04	7.44E-05	2.33E-06	5.99E-18	2.07E-03	6.81E-04	1.59E-09	6.19E-10	--
IN	IN-W208.243	0.89	1.09E+01	--	--	--	1.96E-03	6.64E-02	4.21E+01	9.22E+00	1.42E-06	6.94E-04	--	--	2.39E-08	1.33E-06	1.08E-12	1.86E-06	5.16E-04	5.08E-05	1.10E-04	4.14E-11
IN	IN-W216.876	15.13	4.21E+02	--	--	--	7.51E-02	5.44E-02	3.44E+01	7.59E+00	1.16E-06	5.68E-04	--	--	9.18E-07	1.09E-06	8.91E-13	7.14E-05	4.22E-04	1.35E-05	9.07E-05	3.39E-11
IN	IN-W216.877	43.61	6.05E+02	--	--	--	1.08E-01	7.83E-02	4.96E+01	1.09E+01	1.68E-06	8.19E-04	--	--	1.32E-06	1.57E-06	1.28E-12	1.03E-04	6.09E-04	1.94E-05	1.31E-04	4.88E-11
IN	IN-W228.884	8.9	3.68E+00	--	--	--	6.56E-04	2.56E-03	1.61E+00	3.54E-01	5.67E-08	2.65E-05	--	--	7.96E-09	5.06E-08	4.14E-14	6.21E-07	1.97E-05	6.29E-07	4.23E-06	1.58E-12
IN	IN-W228.885	0.89	6.12E-02	--	--	--	1.09E-05	4.28E-05	2.68E-02	5.91E-03	9.49E-10	4.42E-07	--	--	1.32E-10	8.46E-10	6.90E-16	1.03E-08	3.30E-07	1.05E-08	7.04E-08	2.63E-14
IN	IN-W228.886	21.36	4.42E+00	--	--	--	7.86E-04	3.07E-03	1.93E+00	4.24E-01	6.83E-08	3.18E-05	--	--	9.55E-09	6.07E-08	4.96E-14	7.46E-07	2.37E-05	7.55E-07	5.06E-06	1.89E-12
IN	IN-W243.276	3.56	1.13E+00	--	--	--	2.01E-04	1.19E-02	7.53E+00	1.66E+00	2.66E-07	1.24E-04	--	--	2.44E-09	2.36E-07	1.94E-13	1.91E-07	9.20E-05	5.14E-06	1.98E-05	1.52E-07
IN	IN-W243.277	1.78	2.26E+00	--	--	--	4.03E-04	2.39E-02	1.50E+01	3.31E+00	5.32E-07	2.47E-04	--	--	4.89E-09	4.73E-07	3.87E-13	3.82E-07	1.84E-04	1.03E-05	3.95E-05	3.03E-07
IN	IN-W252.282	17.8	1.67E+01	--	--	--	2.98E-03	2.03E-01	1.28E+02	2.80E+01	4.51E-06	2.10E-03	--	--	3.62E-08	4.01E-06	3.27E-12	2.82E-06	1.56E-03	4.99E-05	3.34E-04	1.25E-10
IN	IN-W254.1045	1.78	8.55E-01	--	--	--	1.52E-04	1.21E-02	7.62E+00	1.68E+00	2.70E-07	1.26E-04	--	--	1.85E-09	2.40E-07	1.96E-13	1.44E-07	9.34E-05	2.98E-06	2.00E-05	7.48E-12
IN	IN-W294.343	8.9	3.46E+00	--	--	--	6.16E-04	4.40E-02	2.77E+01	6.09E+00	9.79E-07	4.57E-04	--	--	7.48E-09	8.70E-07	7.12E-13	5.83E-07	3.39E-04	2.88E-05	7.27E-05	2.72E-11
IN	IN-W296.330	12.46	1.17E+00	--	--	--	2.47E-04	1.42E-02	8.98E+00	1.97E+00	3.18E-07	1.48E-04	--	--	3.74E-09	2.82E-07	2.30E-13	2.64E-07	1.10E-04	4.90E-06	2.35E-05	8.81E-12
IN	IN-W296.331	12.46	3.93E+00	--	--	--	8.26E-04	4.76E-02	2.99E+01	6.59E+00	1.06E-06	4.94E-04	--	--	1.25E-08	9.41E-07	7.70E-13	8.81E-07	3.67E-04	1.63E-05	7.85E-05	2.94E-11
IN	IN-W298.318	8.01	1.58E+01	--	--	--	2.81E-03	1.51E-01	9.50E+01	2.10E+01	3.38E-06	1.58E-03	--	--	3.42E-08	3.00E-06	2.45E-12	2.67E-06	1.17E-03	3.71E-05	2.50E-04	9.38E-11
KA	KA-T001	381.47	8.70E-02	2.05E-04	2.83E-09	4.67E-02	3.45E-03	5.64E-01	3.01E-02	7.34E-03	1.91E-06	2.91E-05	6.90E-12	3.41E-02	1.60E-07	8.16E-05	2.18E-10	7.28E-06	2.33E-02	2.90E-04	2.75E-03	1.27E-06
KA	KA-W016	39.02	8.90E-03	2.10E-05	2.89E-10	4.77E-03	3.53E-04	5.76E-02	3.08E-03	7.51E-04	1.96E-07	2.98E-06	7.06E-13	3.49E-03	1.63E-08	8.34E-06	2.23E-11	7.44E-07	2.38E-03	2.97E-05	2.82E-04	1.30E-07
LA	LA-TA-00-03	0.89	--	--	--	--	--	--	1.23E+01	--	--	--	--	--	--	--	--	--	--	5.01E-06	--	--
LA	LA-TA-03-27	97.01	1.66E+00	--	--	2.63E-01	3.06E-04	6.51E-02	2.30E+02	2.43E+00	3.30E-07	1.52E-03	--	1.81E-01	3.92E-09	7.75E-06	4.60E-13	2.98E-07	2.28E-03	9.39E-03	3.78E-05	4.09E-05
OR	OR-REDC-RH-HET	530.28	8.10E-01	6.88E-02	6.71E-05	5.89E-04	1.46E-04	3.26E-02	4.28E-01	9.98E-01	2.43E-05	7.32E-03	7.72E-09	2.19E-03	1.81E-09	6.75E-07	1.19E-13	1.40E-07	2.60E-04	1.69E-07	1.20E-05	4.22E-10
OR	OR-TBD-RH-HET	266.45	1.28E+02	1.48E+00	2.79E-04	6.08E-01	4.64E-02	1.01E+01	2.90E+01	2.43E+01	3.11E-03	5.70E-02	2.47E-08	2.88E-01	1.24E+00	2.20E-04	1.95E-03	3.37E+01	8.35E-02	1.40E-03	4.10E-04	5.98E-04
OR	OR-W213-RH-HET	158.56	3.21E+00	1.62E-03	8.88E-09	9.42E-03	6.15E-03	5.19E-02	2.64E+00	3.20E-03	1.67E-07	1.47E-03	--	6.06E-05	4.01E+00	7.58E-03	6.36E-02	5.15E+00	2.92E-01	4.36E-03	4.63E-03	5.54E-02
RL	RL105-07	97.9	5.10E+00	1.12E-05	1.69E-07	3.33E-03	1.11E-03	8.23E-02	3.95E+00	1.95E+00	1.47E-06	2.57E-04	--	2.17E-03	1.72E-08	3.27E-05	1.54E-05	1.20E-06	9.79E-03	4.42E-04	1.77E-03	1.08E-02
RL	RL105-09	347.99	4.49E+01	--	--	2.78E-02	1.69E-02	3.63E-01	3.52E+01	1.88E+01	1.08E-05	9.39E-03	--	8.02E-03	3.60E-07	2.20E-04	1.80E-09	2.24E-05	6.49E-02	2.37E-03	9.55E-02	5.09E-02
RL	RL209E-08	0.89	1.61E+00	--	--	--	3.05E-04	2.39E-02	3.45E+00	1.17E+00	8.30E-08	1.52E-04	--	--	4.08E-09	4.78E-07	1.38E-13	3.04E-07	1.86E-04	1.35E-06	1.40E-05	9.07E-12
RL	RL222S-08	3.56	4.94E-01	2.46E-02	--	5.28E-05	1.17E-02	3.38E-03	6.33E+00	2.08E-01	2.73E-07	5.73E-04	2.33E-06	6.37E-05	1.55E-02	5.57E-08	2.22E-14	4.46E-01	2.30E-05	2.57E-05	2.37E-06	3.93E-04

Table B 6. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 2383
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL325-08	224.28	2.65E+02	4.37E-01	4.65E-05	1.21E-01	3.59E-01	2.58E+01	6.62E+01	6.78E+01	6.73E-05	9.55E-02	--	6.86E-01	1.08E-05	4.45E-04	1.76E-07	5.92E-04	1.80E-01	1.18E-03	7.84E-04	3.53E-03
RL	RL325-09	0.89	1.33E-02	1.79E-05	4.79E-07	8.50E-06	2.22E-06	8.63E-05	2.82E-04	2.70E-03	8.16E-10	2.00E-08	--	1.65E-05	2.45E-11	1.39E-09	2.87E-16	2.00E-09	5.73E-07	2.05E-10	3.07E-08	5.00E-08
RL	RLBART-08	0.89	2.46E-01	--	--	--	4.49E-05	2.26E-08	3.34E-06	1.57E-06	7.40E-14	4.72E-10	--	--	5.70E-10	4.91E-13	1.91E-19	4.35E-08	1.86E-10	1.33E-12	1.91E-11	2.86E-17
RL	RLBAT-08	6.23	3.28E+00	2.77E-02	1.45E-06	1.16E-02	5.58E-04	1.86E-01	4.75E-01	7.59E-01	2.34E-04	2.09E-03	--	5.85E-03	6.76E-09	4.54E-06	1.57E-12	5.23E-07	1.68E-03	1.91E-05	8.78E-05	3.67E-04
RL	RLBW-08	1.78	1.89E+00	--	--	--	3.47E-04	3.82E-02	1.45E+00	8.44E-01	1.51E-07	4.48E-04	--	--	4.36E-09	7.34E-07	8.97E-14	3.35E-07	2.89E-04	1.42E-06	9.60E-06	1.87E-05
RL	RLESG-08	29.37	3.14E+00	--	--	2.51E-04	5.35E-04	3.61E-02	3.14E+00	1.63E+00	6.79E-07	6.37E-05	--	3.27E-06	6.05E-09	6.15E-07	1.78E-13	4.89E-07	2.50E-04	1.19E-06	1.87E-05	3.66E-12
RL	RLGEV-08	7.12	1.16E+01	--	--	1.74E-03	2.12E-03	4.41E-01	4.48E+01	2.14E+01	2.78E-06	2.25E-03	--	1.03E-03	2.66E-08	9.34E-06	2.58E-12	2.04E-06	3.57E-03	1.78E-05	2.60E-04	1.36E-10
RL	RLPFP-08	19.58	1.99E+01	--	--	1.40E-08	3.37E-03	3.85E-01	3.76E+01	1.28E+01	3.81E-06	3.04E-03	--	9.81E-09	3.78E-08	6.65E-06	1.36E-12	3.07E-06	2.69E-03	1.86E-05	1.46E-04	5.41E-06
RL	RLPURX-07	41.83	5.30E+02	--	--	--	9.79E-02	8.78E+00	1.08E+03	4.86E+02	4.45E-05	6.87E-02	--	--	1.26E-06	1.97E-04	6.00E-11	9.57E-05	7.41E-02	4.32E-04	5.96E-03	4.20E-09
RL	RLSWO-08	27.59	1.41E+02	--	--	1.07E+01	2.41E-02	6.32E+01	3.11E+00	2.97E+00	1.56E-06	4.82E-03	--	5.37E+00	2.75E-07	1.09E-03	3.26E-13	2.21E-05	4.41E-01	1.18E-06	3.43E-05	2.78E-10
RL	RLWTP-08	1777.74	2.02E+01	4.13E-03	--	2.59E+00	2.70E-02	7.75E-02	2.41E+01	3.99E+00	5.53E-07	2.84E-04	--	1.41E+00	6.12E-03	3.92E-04	3.48E-11	1.76E-01	1.16E-01	4.94E-03	1.89E-03	1.10E-01
SA	SA-W135	6.23	1.58E+01	--	2.63E-07	1.00E-01	3.91E-03	2.83E-01	3.82E+00	5.58E-01	3.66E-10	--	--	7.65E-02	6.74E-08	3.96E-05	6.26E-14	4.52E-06	1.20E-02	7.49E-04	6.52E-06	2.49E-04
SR	SR-BCLRH-MT01	0.89	2.17E+00	1.85E-02	9.92E-07	7.83E-03	5.98E-04	1.23E-01	3.13E-01	5.00E-01	3.16E-04	1.54E-03	--	3.95E-03	1.18E-08	5.06E-06	3.25E-12	7.44E-07	1.72E-03	1.29E-05	1.76E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	1.50E-02	1.28E-04	6.87E-09	5.43E-05	4.14E-06	8.58E-04	2.17E-03	3.47E-03	2.20E-06	1.07E-05	--	2.73E-05	8.17E-11	3.52E-08	2.26E-14	5.15E-09	1.19E-05	8.98E-08	1.22E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	5.16E-01	--	2.39E-07	1.28E-04	8.75E-05	5.51E-02	1.16E-01	1.84E-01	--	--	--	3.97E-03	1.55E-09	2.70E-06	1.94E-12	9.58E-08	8.98E-04	7.84E-06	1.05E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	1.51E+00	1.29E-02	6.91E-07	5.46E-03	4.17E-04	8.57E-02	2.18E-01	3.48E-01	2.21E-04	1.07E-03	--	2.75E-03	8.24E-09	3.52E-06	2.27E-12	5.18E-07	1.20E-03	9.02E-06	1.23E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	4.52E+01	3.84E-01	2.07E-05	1.63E-01	1.25E-02	2.57E+00	6.52E+00	1.05E+01	6.60E-03	3.21E-02	--	8.23E-02	2.46E-07	1.05E-04	6.78E-11	1.55E-05	3.58E-02	2.71E-04	3.67E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	3.09E+00	2.62E-02	1.41E-06	1.11E-02	8.51E-04	1.76E-01	4.45E-01	7.11E-01	4.52E-04	2.20E-03	--	5.60E-03	1.68E-08	7.22E-06	4.64E-12	1.06E-06	2.45E-03	1.85E-05	2.51E-04	3.56E-04
SR	SR-BCLRH-T006	0.89	7.24E-01	6.16E-03	3.31E-07	2.61E-03	2.00E-04	4.12E-02	1.05E-01	1.68E-01	1.06E-04	5.16E-04	--	1.32E-03	3.94E-09	1.69E-06	1.09E-12	2.48E-07	5.74E-04	4.35E-06	5.89E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	5.99E-03	5.08E-05	2.74E-09	2.16E-05	1.65E-06	3.41E-04	8.63E-04	1.38E-03	8.71E-07	4.24E-06	--	1.09E-05	3.25E-11	1.40E-08	8.97E-15	2.05E-09	4.75E-06	3.59E-08	4.86E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	7.14E-02	6.06E-04	3.27E-08	2.59E-04	1.97E-05	4.07E-03	1.03E-02	1.65E-02	1.04E-05	5.07E-05	--	1.30E-04	3.88E-10	1.67E-07	1.07E-13	2.45E-08	5.67E-05	4.28E-07	5.81E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	4.80E-01	4.09E-03	2.20E-07	1.74E-03	1.32E-04	2.74E-02	6.94E-02	1.11E-01	7.04E-05	3.42E-04	--	8.76E-04	2.62E-09	1.13E-06	7.24E-13	1.65E-07	3.82E-04	2.87E-06	3.92E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	2.72E+00	6.72E-02	1.76E-06	1.10E-01	4.93E-03	1.14E-02	2.05E-03	2.47E-02	7.54E-04	1.22E-05	--	4.57E-02	1.51E-07	5.41E-08	2.24E-14	8.24E-06	2.48E-05	4.91E-08	1.33E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	2.59E-02	--	9.22E-09	8.81E-05	4.40E-06	1.40E-03	1.05E-02	5.09E-05	--	--	--	3.65E-05	4.95E-11	9.26E-08	5.53E-18	4.01E-09	2.98E-05	3.95E-09	5.85E-10	--
SR	SR-SWMF-HET-RH	1.78	1.29E-01	8.92E-02	3.27E-06	1.26E-05	9.65E-04	3.78E-02	4.57E-01	1.61E-01	8.93E-04	5.27E-05	9.71E-14	7.24E-06	2.89E-08	8.62E-07	3.36E-14	1.61E-06	3.24E-04	1.50E-06	2.69E-06	2.84E-05
SR	SR-T003-773A-HET	104.06	5.72E+01	4.86E+00	2.36E-04	1.84E-02	1.05E-02	8.31E+00	1.67E+00	3.97E+00	6.96E-02	1.80E-03	3.30E-11	9.98E-03	1.04E-06	1.60E-04	6.08E-12	3.56E-05	6.29E-02	2.40E-05	3.39E-04	9.31E-07
SR	SR-W027-221H-HET-RH	7.12	3.47E-01	--	--	--	1.95E+00	2.15E+01	4.44E-01	2.15E-01	4.29E-08	2.55E-04	--	--	6.40E-05	4.71E-04	3.03E-13	3.43E-03	1.78E-01	9.87E-05	1.65E-05	4.42E-08
SR	SR-W027-SRSG-HET-RH	69.38	3.43E+01	1.86E-04	7.93E-07	2.27E-05	6.35E-03	1.48E+02	5.42E+01	3.17E+01	3.27E-04	5.51E-02	--	2.06E-05	8.23E-08	3.37E-03	3.94E-12	6.22E-06	1.26E+00	2.18E-05	3.90E-04	2.97E-08
Total		7079	2.63E+03	7.55E+00	6.64E-04	2.73E+01	2.90E+00	3.22E+02	2.89E+03	9.54E+02	8.29E-02	1.26E+00	2.36E-06	1.92E+01	5.70E+00	2.93E-02	6.86E-02	5.08E+01	6.89E+00	7.14E-02	2.58E-01	2.96E-01

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	101.78	1.11E+01	1.71E+00	1.03E-18	8.99E-11	1.32E-01	1.93E-02	8.30E+01	5.80E+01	5.73E-03	2.62E-02	2.24E-14	4.58E-11	1.16E-02	9.40E-04	4.84E-11	4.24E-02	1.02E-01	1.58E-03	1.87E-03	4.41E-02
AE	AECHHM-S	13.86	2.83E+00	4.67E-03	--	7.04E-14	4.10E-03	1.34E-03	4.01E+01	1.48E+01	8.88E-09	2.02E-03	--	3.59E-14	2.92E-04	6.43E-05	1.23E-11	1.44E-05	6.96E-03	1.47E-04	4.77E-04	2.69E-03
AE	AE-T001	511.88	3.89E+01	--	--	5.36E-10	2.22E+00	1.15E-02	4.53E+02	2.47E+02	--	2.23E-01	--	1.85E-10	2.91E-02	4.12E-04	2.03E-04	3.16E-01	4.42E-02	9.69E-03	8.17E-03	1.63E-01
AE	AE-T003	23.32	9.91E-01	--	--	2.97E-13	1.53E-02	3.09E-04	2.81E+01	1.00E+01	--	3.12E-04	--	3.68E-13	8.92E-04	4.06E-06	8.63E-12	9.57E-03	4.36E-04	1.04E-04	3.28E-04	1.67E-03
AE	MU-W002-S	4.50	1.35E+00	1.03E-03	--	8.46E-17	5.00E-03	--	2.20E-02	--	--	--	--	4.32E-17	9.96E-04	2.33E-10	--	2.05E-05	5.05E-08	2.27E-08	--	1.73E-05
AW	AW-N026.82	1.87	--	--	--	4.50E-11	--	--	7.44E-03	--	--	--	--	1.09E-10	--	--	--	--	--	7.74E-09	--	--
AW	AW-N027.531	31.79	2.12E-02	--	--	--	1.83E-05	3.81E-02	1.01E+02	5.61E-01	1.22E-22	7.87E-06	--	--	8.92E-07	4.65E-04	4.76E-13	9.64E-06	5.00E-02	1.70E-04	1.82E-05	2.46E-07
AW	AW-T033.1325	197.65	6.47E+01	1.56E+01	--	--	2.13E+00	2.41E-01	6.91E+02	1.45E+02	4.12E-19	4.64E-02	1.15E-05	--	6.22E-01	6.73E-03	4.29E-06	6.72E+00	7.20E-01	1.57E-02	8.10E-03	8.38E-03
AW	AW-W049	186.13	4.28E+01	--	--	--	3.62E-02	3.17E-03	5.64E+01	3.72E+01	2.35E-19	1.53E-02	--	--	3.58E-06	3.45E-05	3.09E-11	1.02E-04	3.75E-03	1.48E-03	1.20E-03	1.56E-05
BT	BT-T002	18.90	2.70E-03	3.65E-05	1.87E-20	9.80E-10	5.95E-05	2.74E-04	7.17E-04	1.36E-03	2.53E-07	1.17E-05	6.73E-13	4.78E-10	1.23E-08	2.18E-05	1.55E-11	2.63E-07	2.35E-03	2.65E-05	3.02E-04	1.22E-07
FR	FR-MOX-MT02	0.42	3.51E-07	--	--	--	3.09E-10	1.58E-10	2.91E-07	1.60E-07	--	4.15E-09	--	--	3.20E-14	2.07E-12	1.38E-19	8.93E-13	2.21E-10	3.05E-13	5.26E-12	6.57E-16
FR	FR-MOX-T01	5.62	4.74E-06	--	--	--	4.18E-09	2.13E-09	3.92E-06	2.16E-06	--	5.61E-08	--	--	4.32E-13	2.79E-11	1.87E-18	1.21E-11	2.98E-09	4.11E-12	7.10E-11	8.86E-15
IN	BN004-S	333.77	8.45E+01	--	1.48E-17	1.25E-13	2.43E-01	1.51E-02	1.18E+03	2.46E+02	8.09E-19	2.49E-02	--	1.03E-13	2.23E-02	2.67E-04	2.05E-10	2.43E-01	2.89E-02	3.70E-03	7.93E-03	1.92E-03
IN	BN161-S	58.40	1.18E+01	--	--	--	1.06E-02	2.96E-03	2.27E+02	4.79E+01	1.31E-19	4.30E-03	--	--	1.12E-06	3.30E-05	3.99E-11	3.10E-05	3.58E-03	2.36E-04	1.54E-03	6.67E-10
IN	BN211-S	522.55	1.14E+02	4.65E-06	--	6.90E-17	1.22E-01	2.66E-02	2.01E+03	4.28E+02	1.12E-18	3.98E-02	--	5.72E-17	2.80E-03	3.21E-04	3.57E-10	3.07E-02	3.49E-02	2.69E-03	1.38E-02	4.61E-06
IN	BN243-S	149.97	9.09E+00	--	1.11E-17	7.02E-18	1.03E-02	1.70E-03	1.15E+02	2.39E+01	6.69E-20	2.65E-03	--	5.80E-18	1.31E-06	2.72E-05	1.99E-11	3.34E-05	2.95E-03	3.59E-04	7.68E-04	4.11E-10
IN	BN252-S	178.73	4.94E+01	--	--	2.21E-17	1.03E-01	1.20E-02	1.10E+03	2.19E+02	7.94E-19	2.65E-02	--	1.72E-17	1.70E-05	1.38E-04	1.82E-10	3.92E-04	1.50E-02	1.37E-03	7.06E-03	4.11E-09
IN	BN296-S	474.38	1.51E+02	--	1.05E-17	4.61E-16	1.67E-01	2.57E-02	1.73E+03	3.55E+02	9.48E-19	3.99E-02	--	4.05E-16	5.38E-04	2.94E-04	2.96E-10	6.15E-03	3.20E-02	1.00E+00	1.14E-02	6.75E-04
IN	BN304-S	304.57	1.20E+01	--	--	2.09E-14	1.26E-02	4.64E+00	2.96E+01	2.06E+01	8.86E-20	1.94E-02	--	2.08E-14	1.51E-06	5.16E-02	1.71E-11	3.95E-05	5.60E+00	7.36E-05	6.63E-04	2.39E-02
IN	BN510-S	4064.78	3.48E+02	--	--	2.39E-14	3.55E-01	1.96E-01	5.98E+03	1.20E+03	3.58E-18	1.19E-01	--	1.95E-14	1.62E-03	1.16E-02	9.93E-10	1.83E-02	1.26E+00	1.01E+00	3.85E-02	2.58E-02
IN	BN835-S	1028.34	8.14E+00	--	--	4.51E-15	1.32E-02	5.19E-01	3.30E+00	1.95E+00	1.35E-20	2.19E-03	--	3.85E-15	2.00E-06	5.76E-03	1.63E-12	4.76E-05	6.25E-01	3.53E-06	6.29E-05	2.14E-04
IN	BN836-S	1669.29	5.03E-01	--	--	1.74E-14	2.60E-03	5.39E-01	2.63E+00	1.66E+00	3.13E-21	2.12E-03	--	1.40E-14	4.96E-07	5.93E-03	1.38E-12	1.09E-05	6.44E-01	3.54E-05	5.33E-05	1.34E-05
IN	BNINW216-S	4466.68	5.81E+03	--	--	4.55E-15	5.25E+00	5.29E-02	1.66E+03	3.90E+02	1.74E-18	2.28E-01	--	3.63E-15	5.58E-04	2.23E-03	3.25E-10	1.54E-02	2.45E-01	3.32E-02	1.26E-02	1.81E+00
IN	BNINW218-S	449.19	8.80E+00	--	--	5.15E-16	2.68E-01	6.88E-04	4.36E+01	8.28E+00	3.15E-20	1.35E-03	--	4.12E-16	5.54E-05	1.63E-04	6.91E-12	1.19E-03	1.79E-02	1.83E-03	2.67E-04	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	3.49E-02	--	--	--	3.14E-05	7.39E-06	7.11E-01	1.51E-01	3.70E-22	1.34E-05	--	--	3.31E-09	8.21E-08	1.26E-13	9.15E-08	8.91E-06	7.32E-07	4.86E-06	2.08E-12
IN	ID-RF-S3114-S	274.41	3.45E+00	--	--	2.37E-16	3.21E-03	4.67E-04	3.72E+01	7.46E+00	2.70E-20	7.99E-04	--	1.90E-16	3.49E-07	1.81E-05	6.20E-12	9.53E-06	1.96E-03	7.70E-05	2.40E-04	2.77E-03
IN	ID-RF-S3150-A-S	201.71	9.30E+00	--	--	8.94E-16	9.60E-03	2.12E-03	1.48E+02	3.00E+01	1.14E-19	2.83E-03	--	7.47E-16	1.14E-06	5.20E-03	2.50E-11	2.99E-05	5.64E-01	2.50E-04	9.67E-04	1.84E-04
IN	ID-RF-S5100-A-S	615.72	3.23E+01	--	--	6.81E-16	2.88E-02	5.86E-03	5.67E+02	1.10E+02	2.64E-19	1.05E-02	--	5.06E-16	9.77E-05	8.34E-05	9.19E-11	1.11E-03	9.05E-03	6.37E-04	3.56E-03	4.50E-06
IN	ID-RF-S5126-S	231.85	3.99E+01	--	--	4.95E-11	3.64E-02	9.25E-03	8.18E+02	1.76E+02	5.26E-19	1.79E-02	--	4.89E-16	2.00E-02	2.55E-04	1.46E-10	2.17E-01	2.77E-02	8.53E-04	5.66E-03	1.59E-03
IN	ID-RF-S5300-A-S	2091.87	1.78E+01	1.56E-08	4.50E-18	9.41E-16	1.88E-02	2.18E-03	2.11E+02	4.38E+01	1.18E-19	5.13E-02	--	6.41E-16	2.72E-02	2.31E-04	3.63E-11	2.95E-01	2.51E-02	8.08E-04	1.41E-03	8.55E-04
IN	ID-SDA-DEBRIS-S	33.49	6.77E+00	--	--	3.35E-16	6.09E-03	1.55E-03	1.09E+02	2.30E+01	4.83E-20	2.29E-03	--	1.96E-16	4.77E-04	6.95E-05	1.91E-11	5.20E-03	7.55E-03	2.62E-04	7.39E-04	2.07E-03
IN	IN-BN004	647.51	1.19E+02	--	--	1.76E-13	3.12E-01	2.13E-02	1.67E+03	3.48E+02	1.26E-18	3.48E-02	--	9.50E-14	5.40E-05	3.47E-04	2.88E-10	1.23E-03	3.77E-02	5.14E-03	1.12E-02	2.62E-05
IN	IN-BN222	265.50	3.62E+01	--	--	--	3.09E-02	6.14E-03	6.21E+02	1.28E+02	5.04E-19	1.57E-02	--	--	3.25E-02	1.48E-04	1.07E-10	3.52E-01	1.64E-02	1.62E-03	4.14E-03	2.63E-01
IN	IN-BN311	12.27	2.61E+01	--	--	--	2.23E-02	3.53E-03	3.68E+02	7.56E+01	3.17E-19	1.06E-02	--	--	4.43E-02	4.76E-05	6.33E-11	4.80E-01	5.16E-03	5.09E-04	2.44E-03	4.79E-03
IN	IN-BN409	16.43	2.56E+02	--	--	--	2.19E-01	1.42E-02	1.08E+03	2.28E+02	7.66E-19	1.87E-02	--	--	2.18E-05	1.62E-04	1.91E-10	6.20E-04	1.75E-02	1.12E-03	7.37E-03	2.91E-09
IN	IN-BN421	30.78	2.98E+01	--	--	--	2.55E-02	1.04E-02	6.30E+02	1.33E+02	4.47E-19	1.36E-02	--	--	2.39E-03	1.52E-04	1.11E-10	2.59E-02	1.64E-02	1.42E-03	4.30E-03	2.13E-03
IN	IN-BN432	67.39	3.23E+01	--	--	--	2.76E-02	5.30E-03	5.50E+02	1.14E+02	4.72E-19	1.55E-02	--	--	2.11E-02	6.81E-05	9.51E-11	2.28E-01	7.36E-03	7.61E-04	3.67E-03	6.94E-04
IN	IN-BN510	11223.71	8.70E+02	--	--	5.40E-14	8.29E-01	4.68E-01	1.52E+04	3.01E+03	9.32E-18	2.91E-01	--	2.89E-14	9.22E-05	5.55E-03	2.50E-09	2.49E-03	6.04E-01	3.10E-02	9.67E-02	6.27E-02
IN	IN-BN835	111.97	5.60E-01	--	--	3.59E-16	9.75E-04	4.23E-02	2.57E-01	1.51E-01	2.52E-22	1.62E-04	--	1.93E-16	1.51E-07	4.61E-04	1.25E-13	3.57E-06	5.01E-02	2.73E-07	4.84E-06	1.65E-05
IN	IN-BN836	240.60	1.63E-02	--	--	1.74E-15	2.24E-04	1.26E-02	6.05E-02	3.82E-02	2.00E-23	4.88E-05	--	9.42E-16	4.51E-08	1.37E-04	3.17E-14	9.77E-07	1.49E-02	3.19E-06	1.23E-06	1.26E-06
IN	IN-BNINW216	5484.89	4.88E+03	--	--	3.75E-15	4.40E+00	3.89E-02	1.40E+03	3.16E+02	1.52E-18	1.12E-01	--	2.01E-15	4.65E-04	1.59E-03	2.62E-10	1.28E-02	1.74E-01	2.77E-02	1.01E-02	6.80E-01
IN	IN-BNINW218	573.03	7.60E+00	--	--	4.44E-16	1.33E-01	5.00E-04	3.73E+01	6.94E+00	3.03E-20	1.06E-03	--	2.40E-16	2.70E-05	1.20E-04	5.75E-12	5.83E-04	1.32E-02	1.57E-03	2.23E-04	1.22E-01

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	IN-GEM-01	7.28	6.41E-01	--	--	--	5.46E-04	1.04E-05	1.54E+00	3.26E-01	5.76E-22	1.87E-05	--	--	5.44E-08	1.18E-07	2.73E-13	1.55E-06	1.27E-05	1.59E-06	1.05E-05	2.91E-12
IN	IN-GEM-02	5.41	4.76E-01	--	--	--	4.06E-04	7.72E-06	1.14E+00	2.42E-01	4.28E-22	1.39E-05	--	--	4.04E-08	8.73E-08	2.03E-13	1.15E-06	9.45E-06	1.18E-06	7.82E-06	2.16E-12
IN	IN-ID-RF-S3114	3800.07	4.54E+01	--	--	3.17E-15	4.21E-02	6.17E-03	4.87E+02	9.78E+01	3.71E-19	1.05E-02	--	2.54E-15	4.57E-06	2.37E-04	8.11E-11	1.25E-04	2.58E-02	1.01E-03	3.14E-03	3.63E-02
IN	IN-ID-RF-S3150-A	56.13	2.58E+00	--	--	2.59E-16	2.66E-03	5.95E-04	4.09E+01	8.31E+00	3.49E-20	7.84E-04	--	2.17E-16	3.14E-07	1.44E-03	6.88E-12	8.26E-06	1.56E-01	6.91E-05	2.67E-04	5.10E-05
IN	IN-ID-RF-S5100-A	161.53	8.13E+00	--	--	1.78E-16	7.22E-03	1.49E-03	1.42E+02	2.77E+01	7.28E-20	2.66E-03	--	1.33E-16	2.44E-05	2.09E-05	2.29E-11	2.78E-04	2.27E-03	1.60E-04	8.89E-04	1.13E-06
IN	IN-ID-RF-S5126-A	180.57	2.99E+01	--	--	3.79E-11	2.72E-02	6.98E-03	6.12E+02	1.32E+02	4.13E-19	1.34E-02	--	3.75E-16	1.49E-02	1.91E-04	1.09E-10	1.63E-01	2.07E-02	6.37E-04	4.23E-03	1.19E-03
IN	IN-ID-RF-S5300-A	9123.66	1.14E+02	6.39E-08	1.92E-17	3.95E-15	1.12E-01	9.01E-03	8.65E+02	1.80E+02	2.68E-18	2.10E-01	--	2.69E-15	1.12E-01	9.44E-04	1.49E-10	1.22E+00	1.03E-01	3.31E-03	5.78E-03	3.51E-03
IN	IN-ID-SDA-Debris	2302.40	3.94E+02	5.02E+00	--	2.38E-14	3.54E-01	7.86E-02	6.12E+03	1.28E+03	2.80E-18	3.75E-01	--	1.34E-14	1.69E-02	2.28E-02	7.05E-09	1.85E-01	2.48E+00	1.26E-02	1.59E-01	1.06E-01
IN	IN-ID-SDA-Sludge	4554.58	4.94E+03	9.93E+00	--	2.88E-14	4.54E+00	2.78E-02	2.40E+03	4.98E+02	1.88E-18	9.00E-02	--	1.56E-14	1.18E-02	9.69E-03	1.23E-08	1.36E-01	1.06E+00	2.79E-02	2.50E-01	2.45E+00
IN	IN-ID-SDA-Soil	665.18	1.19E+02	1.45E+00	--	2.63E-14	1.08E-01	5.20E-03	4.27E+02	8.95E+01	2.46E-19	1.46E-02	--	1.44E-14	1.15E-05	1.10E-03	1.13E-06	3.17E-04	1.20E-01	1.08E-01	3.70E-02	2.19E-01
IN	INW161.001-S	19.14	6.92E+00	--	--	--	5.91E-03	1.59E-03	1.53E+02	3.19E+01	1.11E-19	3.51E-03	--	--	5.90E-07	2.10E-05	2.67E-11	1.67E-05	2.27E-03	2.45E-04	1.03E-03	5.56E-06
IN	IN-W163.1007	9.21	1.85E+00	--	--	--	1.62E-03	6.59E-04	6.76E+01	1.38E+01	--	3.38E-03	--	--	1.67E-07	8.43E-06	1.18E-11	4.67E-06	9.00E-04	7.07E-05	4.51E-04	5.33E-10
IN	INW169.001-S	19.14	1.19E+00	--	--	--	1.01E-03	1.98E-04	1.91E+01	3.94E+00	1.54E-20	5.90E-04	--	--	1.01E-07	5.00E-06	3.30E-12	2.87E-06	5.41E-04	9.20E-05	1.27E-04	4.37E-06
IN	IN-W181.162	76.23	1.01E+00	--	--	--	8.85E-04	2.40E-04	2.51E+01	5.25E+00	--	4.22E-04	--	--	9.10E-08	3.07E-06	4.52E-12	2.55E-06	3.28E-04	2.62E-05	1.72E-04	6.65E-11
IN	IN-W188.160	141.57	1.86E+00	--	--	--	1.63E-03	6.60E-04	6.79E+01	1.38E+01	--	2.84E-03	--	--	1.67E-07	8.45E-06	1.19E-11	4.69E-06	9.03E-04	7.09E-05	4.52E-04	4.48E-10
IN	INW198.001-S	49.09	1.68E+00	--	--	--	1.43E-03	3.58E-04	3.67E+01	7.57E+00	2.69E-20	8.86E-04	--	--	2.41E-05	5.39E-06	6.34E-12	2.63E-04	5.83E-04	7.35E-05	2.45E-04	5.90E-05
IN	INW211.001-S	303.92	2.06E+02	--	--	--	1.76E-01	3.98E-02	3.53E+03	7.28E+02	3.30E-18	1.40E-01	--	--	1.21E-03	4.89E-04	6.09E-10	1.34E-02	5.28E-02	4.59E-03	2.35E-02	1.47E-03
IN	INW216.001-S	1245.06	1.10E+04	--	--	--	9.45E+00	3.36E-02	3.17E+03	6.57E+02	2.75E-18	1.18E-01	--	--	4.03E-03	6.17E-03	5.51E-10	6.01E-02	6.72E-01	1.06E-01	2.12E-02	3.89E+00
IN	INW218.001-S	1110.87	1.68E+02	--	--	--	1.43E-01	5.01E-03	4.83E+02	9.98E+01	4.14E-19	1.70E-02	--	--	1.04E-03	8.70E-03	8.37E-11	1.15E-02	9.53E-01	1.03E-01	3.23E-03	8.74E+00
IN	INW222.001-S	65.10	1.45E+01	--	--	--	1.24E-02	2.98E-03	2.76E+02	5.72E+01	2.21E-19	7.39E-03	--	--	1.24E-06	4.20E-05	4.79E-11	3.51E-05	4.55E-03	3.89E-04	1.85E-03	7.02E-03
IN	INW243.001-S	74.88	1.81E+01	--	--	--	1.55E-02	3.07E-03	2.30E+02	4.75E+01	1.95E-19	6.80E-03	--	--	2.29E-04	5.23E-05	3.98E-11	2.51E-03	5.66E-03	6.85E-04	1.54E-03	3.17E-04
IN	INW247.001R1-S	116.90	2.35E+01	--	--	--	2.01E-02	7.32E-03	4.03E+02	8.49E+01	3.55E-19	7.90E-03	--	--	6.96E-04	8.44E-05	7.12E-11	7.56E-03	9.12E-03	4.22E-04	2.75E-03	1.23E-09
IN	INW252.001-S	60.94	1.72E+01	--	--	--	1.47E-02	3.61E-03	2.93E+02	6.14E+01	3.58E-19	6.80E-03	--	--	1.47E-06	4.83E-05	5.14E-11	4.16E-05	5.22E-03	5.27E-04	1.98E-03	1.06E-09
IN	IN-W263.520	265.86	1.70E-02	--	--	--	1.49E-05	1.02E-01	1.75E+01	2.57E-02	--	2.50E-05	--	--	1.53E-09	1.30E-03	2.21E-14	4.28E-08	1.39E-01	1.83E-05	8.41E-07	3.95E-12
IN	INW276.001-S	10.19	1.58E+00	--	--	--	1.37E-03	6.90E-04	3.08E+01	6.50E+00	2.74E-20	6.53E-04	--	--	1.38E-07	8.22E-06	5.50E-12	3.89E-06	8.86E-04	3.22E-05	2.11E-04	1.02E-10
IN	INW276.002-S	16.02	2.49E+00	--	--	--	2.14E-03	1.04E-03	4.64E+01	9.75E+00	4.31E-20	9.80E-04	--	--	6.75E-05	1.23E-05	8.23E-12	7.33E-04	1.33E-03	4.88E-05	3.16E-04	1.53E-10
IN	INW276.003-S	186.58	9.49E+01	--	--	--	8.13E-02	3.86E-02	1.68E+03	3.53E+02	1.74E-18	3.65E-02	--	--	4.81E-03	4.50E-04	2.97E-10	5.21E-02	4.86E-02	1.77E-03	1.14E-02	1.12E-06
IN	INW276.004-S	46.80	2.20E+01	--	--	--	1.88E-02	8.07E-03	3.56E+02	7.50E+01	3.65E-19	7.63E-03	--	--	4.18E-03	9.50E-05	6.31E-11	4.52E-02	1.03E-02	3.97E-04	2.43E-03	1.19E-09
IN	INW296.001-S	97.76	3.80E+01	--	--	--	3.25E-02	8.61E-03	4.98E+02	1.04E+02	4.43E-19	1.10E-02	--	--	9.36E-04	1.05E-04	8.75E-11	1.02E-02	1.14E-02	6.66E-04	3.37E-03	3.96E-04
IN	IN-W315.601	6.92	8.43E+01	--	--	--	7.38E-02	5.27E-05	5.53E+00	1.16E+00	--	9.25E-05	--	--	7.58E-06	6.75E-07	9.95E-13	2.12E-04	7.21E-05	5.78E-06	3.79E-05	1.46E-11
IN	IN-W319.584	4.50	6.03E-01	--	--	--	5.28E-04	2.15E-04	2.19E+01	4.47E+00	--	1.31E-03	--	--	5.42E-08	2.75E-06	3.84E-12	1.52E-06	2.93E-04	2.29E-05	1.46E-04	2.07E-10
IN	IN-W321.1023	10.89	5.28E+00	--	--	--	4.62E-03	1.87E-03	1.92E+02	3.92E+01	--	6.41E-03	--	--	4.75E-07	2.40E-05	3.37E-11	1.33E-05	2.56E-03	2.01E-04	1.28E-03	1.01E-09
IN	IN-W357.1022	4.50	1.89E-02	--	--	--	1.65E-05	6.70E-06	6.86E-01	1.40E-01	--	3.20E-05	--	--	1.70E-09	8.57E-08	1.20E-13	4.76E-08	9.15E-06	7.16E-07	4.58E-06	5.05E-12
IN	IN-W375.1096	189.63	4.66E-01	--	--	--	4.08E-04	1.65E-04	1.70E+01	3.46E+00	--	7.00E-04	--	--	4.20E-08	2.12E-06	2.98E-12	1.17E-06	2.26E-04	1.78E-05	1.13E-04	1.10E-10
KN	KN-B234TRU	837.93	4.19E+01	--	--	--	3.58E-02	6.57E-03	6.59E+02	6.08E+02	2.81E-19	--	--	--	2.23E-01	3.96E-01	1.26E-01	2.42E+00	2.43E+00	4.62E-01	4.80E-01	5.95E-02
LA	LA-CIN01.001	516.07	4.47E+03	3.61E-01	--	2.99E-17	3.99E+00	3.03E-01	8.32E+03	2.07E+03	--	3.10E+00	2.46E-06	1.43E-17	9.47E-03	6.34E-03	2.30E-03	1.08E-01	6.72E-01	1.82E-02	6.88E-02	3.37E-01
LA	LA-CIN02.001	427.19	1.18E+02	2.37E-03	--	5.41E-12	1.12E-01	1.99E-02	7.17E+02	3.78E+01	--	9.08E-03	--	6.79E-14	1.89E-03	4.56E-04	3.31E-11	2.02E-02	4.82E-02	3.70E-03	1.25E-03	3.28E-05
LA	LA-LAMHD03DD	3.78	8.45E-04	--	--	--	7.20E-07	1.97E-05	3.43E-02	--	2.58E-23	--	--	--	7.17E-11	2.23E-07	--	2.04E-09	2.41E-05	3.53E-08	--	--
LA	LA-LAMIN02V.001	27.29	2.78E+00	--	--	--	2.36E-03	5.89E-04	6.63E+01	1.45E+01	7.22E-20	9.15E-04	--	--	2.35E-07	6.60E-06	1.21E-11	6.68E-06	7.15E-04	6.83E-05	4.68E-04	1.42E-10
LA	LA-LAMIN04S	203.85	2.37E+02	--	--	--	2.01E-01	2.42E-02	1.90E+03	4.53E+02	2.57E-18	2.27E-01	1.02E-07	--	2.00E-05	2.71E-04	3.78E-10	5.69E-04	2.93E-02	1.96E-03	1.46E-02	3.52E-08
LA	LA-LA-NCD01	261.55	1.31E+00	--	--	--	1.11E-03	2.75E-04	3.12E+01	6.85E+00	3.24E-20	4.31E-04	--	--	1.11E-07	3.11E-06	5.72E-12	3.15E-06	3.37E-04	3.22E-05	2.21E-04	6.70E-11
LA	LA-LANHD01	161.34	9.08E-01	--	--	--	7.98E-04	1.73E-04	2.23E+01	4.88E+00	--	3.07E-04	--	--	8.24E-08	2.25E-06	4.21E-12	2.30E-06	2.40E-04	2.33E-05	1.60E-04	4.85E-11

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-LANHD02238	1343.98	3.85E-01	--	--	--	3.34E-04	5.56E-01	1.13E+00	4.98E-01	--	4.32E-04	--	--	3.41E-08	6.86E-03	4.24E-13	9.57E-07	7.36E-01	1.18E-06	1.62E-05	6.79E-11
LA	LA-LANIN03NC	701.76	4.87E+02	3.75E-01	--	--	5.36E-01	1.31E+00	5.97E+03	1.39E+03	7.56E-18	1.25E-01	--	--	6.68E-05	1.47E-02	1.16E-09	1.72E-03	1.59E+00	6.15E-03	4.48E-02	1.94E-08
LA	LA-MHD01.001	2520.53	1.21E+03	2.77E-01	1.39E-17	2.84E-14	1.25E+00	9.13E+00	2.10E+04	5.10E+03	9.14E-04	3.12E+01	8.38E-06	1.33E-14	3.23E-02	1.63E-01	4.48E-09	3.45E-01	1.73E+01	2.98E-02	1.69E-01	3.95E-02
LA	LA-MHD01.001-S	1106.52	9.68E+02	8.28E-01	3.90E-17	6.57E-14	1.02E+00	5.50E+00	1.07E+04	2.64E+03	5.07E-04	2.04E+00	--	2.42E-11	5.50E-02	9.57E-02	4.52E-06	6.00E-01	9.48E+00	1.50E-02	8.50E-02	5.96E-03
LA	LA-MHD02.001-S	13.52	3.89E-01	3.64E-05	--	1.21E-16	4.12E-04	5.34E-01	1.35E+00	6.29E-01	8.08E-05	7.17E-04	--	5.91E-17	2.84E-07	8.92E-03	5.23E-13	3.84E-06	9.69E-01	2.02E-06	2.02E-05	1.11E-10
LA	LA-MHD03.001	596.95	3.63E+01	5.79E-02	5.13E-16	8.88E-13	1.16E-01	4.29E-01	5.16E+02	1.16E+02	4.23E-05	1.49E-01	1.29E-07	4.28E-12	1.24E-03	7.72E-03	1.11E-08	1.35E-02	8.18E-01	7.25E-03	3.92E-03	1.40E-03
LA	LA-MHD03.001-S	192.02	1.12E+01	2.13E-02	2.33E-18	2.23E-13	2.29E-02	2.15E-01	1.22E+02	3.07E+01	3.24E-05	1.46E-02	--	1.08E-13	1.31E-03	3.24E-03	2.55E-11	1.42E-02	3.51E-01	2.34E-04	9.87E-04	1.88E-04
LA	LA-MHD04.001	8.75	2.02E-01	7.21E-05	--	3.34E-18	3.26E-04	2.49E-01	1.03E+00	4.92E-01	--	6.66E-04	--	1.60E-18	5.12E-08	4.00E-03	4.36E-13	1.20E-06	4.22E-01	1.09E-06	1.64E-05	1.07E-10
LA	LA-MIN03-NC.001	1105.10	6.48E+01	6.66E-03	--	7.36E-13	5.62E-02	1.69E-02	3.99E+02	1.56E+01	1.25E-07	2.07E-03	--	3.57E-13	1.21E-04	4.55E-04	1.30E-11	1.14E-03	4.93E-02	1.23E-03	5.04E-04	6.39E-04
LA	LA-MIN03-NC.001-S	367.04	3.53E+01	4.99E-04	--	2.18E-12	3.21E-02	2.36E-03	1.35E+02	1.83E+01	1.64E-08	1.64E-02	--	8.81E-13	3.43E-06	1.42E-04	1.52E-11	9.41E-05	1.54E-02	4.60E-04	5.88E-04	1.76E-04
LA	LA-OS-00-01.001	206.96	2.67E+03	3.78E-04	--	1.92E-10	2.29E+00	2.60E+00	6.46E+02	1.66E+02	1.23E-19	4.20E-02	3.93E-08	7.55E-15	2.30E-04	3.06E-02	1.40E-10	6.50E-03	3.30E+00	6.68E-04	5.37E-03	9.01E-09
LA	LA-OS-00-01.001-S	82.58	1.45E+02	--	--	7.70E-12	1.22E-01	2.03E+00	6.76E+02	1.87E+02	2.40E-19	5.68E-02	--	4.58E-11	1.22E-05	2.75E-02	1.56E-10	3.46E-04	2.99E+00	7.24E-04	6.03E-03	9.92E-07
LA	LA-OS-00-01-S	0.42	5.44E-01	--	--	1.30E-14	4.76E-04	5.23E-04	4.64E+00	4.36E+00	1.98E-21	9.63E-05	--	5.95E-15	4.89E-08	9.24E-02	3.65E-12	1.37E-06	6.45E-04	4.79E-06	1.41E-04	1.50E-11
LA	LA-OS-00-03	57.82	4.91E+00	--	--	--	4.21E-03	--	--	--	--	--	--	--	4.22E-07	--	--	1.20E-05	--	--	--	--
LA	LA-PX-00-01	0.62	2.57E-03	--	--	--	2.22E-06	1.44E-06	5.40E-02	1.17E-02	2.81E-23	--	--	--	2.25E-10	1.73E-08	9.95E-15	6.34E-09	1.86E-06	5.61E-08	3.82E-07	--
LA	LA-TA-00-01	195.70	7.13E+00	7.51E-03	2.03E-16	1.95E-17	1.19E-02	1.25E-01	1.02E+02	1.82E+01	3.28E-04	1.05E-01	1.07E-04	9.30E-18	1.17E-04	1.87E-03	1.11E-07	1.26E-03	1.96E-01	1.08E-04	6.06E-04	7.69E-05
LA	LA-TA-03-01	0.21	1.04E-02	--	--	--	1.56E-05	1.56E-06	1.80E-01	3.94E-02	1.70E-22	2.48E-06	--	--	2.29E-09	1.80E-08	3.31E-14	5.51E-08	1.94E-06	1.86E-07	1.28E-06	3.87E-13
LA	LA-TA-03-09	8.18	2.55E-01	4.24E-03	--	--	3.00E-04	1.86E-05	1.01E-01	2.22E-02	7.86E-23	1.39E-06	--	--	3.91E-08	2.22E-07	1.87E-14	9.86E-07	2.39E-05	1.05E-07	7.19E-07	1.20E-05
LA	LA-TA-03-10	276.87	1.11E+00	1.47E-04	--	2.90E-16	1.93E-03	3.51E-04	2.33E+01	5.11E+00	2.10E-20	3.31E-04	--	1.41E-16	3.01E-07	1.83E-05	4.30E-12	7.09E-06	1.98E-03	8.48E-05	1.65E-04	5.60E-05
LA	LA-TA-03-12	0.21	4.22E-03	--	--	--	3.83E-06	1.27E-06	1.84E-01	3.97E-02	--	2.56E-06	--	--	4.09E-10	1.90E-08	3.53E-14	1.13E-08	2.00E-06	1.96E-07	1.32E-06	4.10E-13
LA	LA-TA-03-14	15.12	--	--	--	--	--	8.31E-04	9.08E-01	--	--	--	--	--	--	1.25E-05	--	--	1.31E-03	1.11E-04	--	--
LA	LA-TA-03-20	1.87	1.05E-01	--	--	--	1.20E-04	1.18E-01	3.64E-01	1.60E-01	--	1.71E-04	--	--	1.55E-08	2.21E-03	1.41E-13	3.92E-07	2.33E-01	3.85E-07	5.30E-06	2.73E-11
LA	LA-TA-03-28	6.03	1.11E-01	--	--	--	9.99E-05	8.51E-04	3.94E+00	6.89E-01	--	1.07E-04	--	--	1.06E-08	1.24E-05	6.10E-13	2.92E-07	1.31E-03	4.19E-06	2.29E-05	1.71E-11
LA	LA-TA-03-29	0.42	1.74E-02	--	--	--	1.55E-05	5.57E-02	1.10E-01	3.98E-02	--	3.18E-05	--	--	1.62E-09	7.65E-04	3.48E-14	4.51E-08	8.11E-02	1.16E-07	1.31E-06	5.06E-12
LA	LA-TA-03-30	7.77	1.76E-02	1.33E-06	--	3.28E-16	1.71E-05	2.07E-05	5.16E-02	1.51E-02	--	9.70E-07	--	--	1.96E-09	3.03E-07	1.34E-14	5.21E-08	3.19E-05	4.03E-07	5.02E-07	1.55E-13
LA	LA-TA-03-31	0.21	2.71E-02	--	--	--	2.39E-05	8.87E-06	1.15E+00	2.49E-01	--	1.60E-05	--	--	2.48E-09	1.18E-07	2.16E-13	6.90E-08	1.25E-05	1.21E-06	8.18E-06	2.54E-12
LA	LA-TA-03-33	2.10	5.26E-05	--	--	4.85E-17	1.85E-04	--	--	--	--	--	--	--	4.10E-08	1.71E-10	--	8.51E-07	3.60E-08	--	--	1.20E-05
LA	LA-TA-03-34	20.79	3.16E-03	--	--	6.52E-18	2.74E-06	9.00E-04	3.73E-02	3.85E-03	--	2.48E-07	--	--	2.78E-10	1.10E-05	3.28E-15	7.83E-09	1.18E-03	2.70E-06	1.25E-07	6.16E-06
LA	LA-TA-03-40	17.01	--	--	--	--	--	1.68E-04	7.35E+00	--	--	--	--	--	--	2.33E-06	--	--	2.47E-04	3.86E-05	--	--
LA	LA-TA-03-42	56.70	7.67E-04	--	--	--	6.85E-07	3.71E-05	5.84E-01	7.12E-03	--	4.59E-07	--	--	7.20E-11	5.19E-07	6.24E-15	1.99E-09	5.49E-05	6.16E-07	2.35E-07	7.30E-14
LA	LA-TA-21-05	0.42	2.48E-02	--	--	--	2.24E-05	7.56E-06	1.02E+00	2.25E-01	--	1.68E-05	--	--	2.39E-09	1.12E-07	1.99E-13	6.57E-08	1.17E-05	2.09E-05	7.48E-06	2.69E-12
LA	LA-TA-21-06	233.79	8.81E+00	4.30E-06	--	--	7.98E-03	4.24E+00	1.97E+02	5.53E+01	--	1.12E-02	--	--	8.51E-07	6.29E-02	4.90E-11	2.34E-05	6.62E+00	1.14E-03	1.84E-03	1.80E-09
LA	LA-TA-21-07	299.21	4.17E+00	2.83E-09	--	--	3.78E-03	3.19E+00	1.98E+02	3.52E+01	--	3.40E-03	--	--	4.04E-07	4.79E-02	3.13E-11	1.11E-05	5.03E+00	2.41E-04	1.17E-03	2.01E-03
LA	LA-TA-21-08	2.91	9.85E-02	--	--	--	8.91E-05	2.71E-02	2.59E+00	6.74E-01	--	1.12E-04	--	--	9.47E-09	4.00E-04	5.98E-13	2.61E-07	4.21E-02	2.75E-06	2.24E-05	1.79E-11
LA	LA-TA-21-09	2.50	8.03E-03	--	--	--	7.26E-06	4.46E-01	3.49E-01	7.52E-02	--	4.85E-06	--	--	7.72E-10	6.57E-03	6.67E-14	2.13E-08	6.91E-01	3.70E-07	2.50E-06	7.76E-13
LA	LA-TA-21-10	1.89	--	--	--	--	--	--	4.93E-01	--	--	--	--	--	--	--	--	--	--	5.22E-07	--	--
LA	LA-TA-21-11	13.23	--	--	--	--	--	1.56E-04	2.05E+01	--	--	--	--	--	--	2.32E-06	--	--	2.44E-04	2.18E-05	--	--
LA	LA-TA-21-12	163.32	1.62E+01	--	--	--	1.46E-02	1.33E+01	2.68E+02	8.16E+01	--	2.28E-02	--	--	3.93E+00	1.94E-01	7.23E-11	4.15E+01	2.05E+01	2.34E-03	2.71E-03	3.65E-09
LA	LA-TA-21-13	1766.36	2.48E+03	--	--	--	2.25E+00	5.44E-02	1.20E+02	--	--	--	--	--	2.41E-04	8.76E-04	1.10E-04	6.62E-03	9.20E-02	2.41E-02	--	1.12E-02
LA	LA-TA-21-14	55.15	--	--	--	--	--	--	9.03E+00	--	--	--	--	--	--	--	--	--	--	9.54E-06	--	--
LA	LA-TA-21-15	3.74	7.83E-02	--	--	--	7.06E-05	2.40E-05	4.59E+00	7.32E-01	--	4.72E-05	--	--	7.50E-09	3.50E-07	6.48E-13	2.07E-07	3.69E-05	4.87E-06	2.43E-05	7.55E-12
LA	LA-TA-21-16	79.87	1.58E+01	--	--	--	1.42E-02	6.24E-03	6.15E+02	1.36E+02	--	1.24E-02	--	--	1.51E-06	9.12E-05	1.20E-10	4.16E-05	9.60E-03	3.95E-03	4.50E-03	1.98E-09

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-21-17	0.62	5.85E-04	--	--	--	5.29E-07	1.78E-07	2.54E-02	5.48E-03	--	3.53E-07	--	--	5.63E-11	2.62E-09	4.86E-15	1.55E-09	2.76E-07	2.70E-08	1.82E-07	5.66E-14
LA	LA-TA-21-40	664.64	1.17E-01	--	--	2.76E-17	1.18E-04	4.07E-01	3.25E+02	7.96E-01	--	5.14E-05	1.75E-04	8.53E-17	5.00E-07	5.68E-03	6.97E-13	5.52E-06	6.02E-01	3.43E-04	2.63E-05	1.36E-06
LA	LA-TA-21-41	15.12	--	--	--	--	--	--	1.77E+01	--	--	--	--	--	--	--	--	--	--	1.87E-05	--	--
LA	LA-TA-21-42	62.37	1.52E+00	--	--	--	1.49E-03	1.36E-03	2.05E+01	--	--	--	--	--	1.72E-07	1.89E-05	--	4.56E-06	2.01E-03	6.36E-05	--	--
LA	LA-TA-48-01	8.32	5.23E-02	1.89E-05	--	2.43E-14	1.64E-04	1.48E-04	5.92E-01	1.37E-01	6.06E-22	4.27E-06	--	--	7.47E-04	1.86E-06	1.15E-13	8.09E-03	2.01E-04	6.11E-07	4.43E-06	6.65E-13
LA	LA-TA-50-01	1.89	3.10E-03	6.50E-06	--	6.00E-14	2.65E-06	6.62E-08	8.43E-04	--	--	--	--	--	2.66E-10	1.71E-06	--	7.53E-09	1.85E-04	3.41E-06	--	--
LA	LA-TA-50-02	0.62	6.12E-03	--	--	1.45E-17	5.47E-06	1.04E-04	3.38E-02	--	6.37E-23	--	--	--	5.74E-10	1.20E-06	--	1.59E-08	1.30E-04	3.58E-07	--	--
LA	LA-TA-50-05	0.21	3.52E-03	--	--	--	3.00E-06	9.58E-06	1.46E-01	3.59E-03	1.12E-23	--	--	--	3.00E-10	1.09E-07	3.00E-15	8.51E-09	1.18E-05	1.53E-07	1.16E-07	--
LA	LA-TA-50-06	3.55	2.40E+00	--	--	--	2.10E-03	9.34E-04	3.55E+00	1.95E+00	--	3.01E-03	--	--	2.15E-07	1.18E-05	1.67E-12	6.03E-06	1.27E-03	3.71E-06	6.38E-05	4.74E-10
LA	LA-TA-50-10	3.95	4.19E+00	--	--	--	3.61E-03	5.47E-02	9.78E+01	2.16E+01	7.87E-20	1.49E-03	--	--	3.64E-07	6.53E-04	1.83E-11	1.03E-05	7.03E-02	4.68E-04	7.02E-04	1.35E-02
LA	LA-TA-50-11	0.83	6.46E-02	--	--	--	5.76E-05	1.92E-05	2.45E+00	5.13E-01	--	3.30E-05	--	--	6.03E-09	2.66E-07	4.48E-13	1.67E-07	2.82E-05	2.58E-06	1.69E-05	5.24E-12
LA	LA-TA-50-12	9.22	2.43E-03	--	--	--	2.24E-06	7.01E-06	8.15E-02	--	--	--	--	--	2.43E-10	1.43E-05	--	6.62E-09	3.00E-03	8.61E-08	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	2.71E-06	--	--	--	--	--	--	--	3.53E-08	--	--	3.76E-06	--	--	--
LA	LA-TA-50-14	0.42	1.06E-02	--	--	--	9.41E-06	9.30E-07	1.52E-02	--	--	--	--	--	9.86E-10	1.29E-08	--	2.74E-08	1.36E-06	1.61E-08	--	--
LA	LA-TA-50-15	91.12	3.00E+00	--	--	4.74E-11	2.66E-03	7.55E-02	3.61E+01	7.40E+00	--	5.35E-04	--	1.90E-11	2.78E-07	1.03E-03	6.56E-12	7.73E-06	1.10E-01	1.68E-03	2.46E-04	1.47E-07
LA	LA-TA-50-16	13.23	9.74E-02	7.44E-03	--	3.07E-13	3.66E-03	1.01E-03	6.15E-01	8.29E-02	--	8.67E-06	--	--	7.74E-07	1.26E-05	7.08E-14	1.64E-05	1.35E-03	6.41E-07	2.70E-06	1.36E-12
LA	LA-TA-50-18	3.54	3.14E-01	--	--	--	2.84E-04	2.89E-04	6.12E-01	8.36E-02	--	--	--	--	3.03E-08	4.30E-06	7.43E-14	8.33E-07	4.52E-04	1.33E-05	2.78E-06	--
LA	LA-TA-50-19	108.97	4.67E+00	--	--	5.39E-17	4.24E-03	1.42E-02	7.37E+00	--	--	--	--	2.57E-17	4.53E-07	2.13E-04	--	1.24E-05	2.24E-02	6.41E-05	--	--
LA	LA-TA-50-20	0.62	5.53E-04	--	--	--	4.94E-07	--	2.91E-03	--	--	--	--	--	5.20E-11	--	--	1.44E-09	--	3.07E-09	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	--	--	5.88E-04	--	--	--	--	--	--	--	--	--	--	6.20E-10	--	--
LA	LA-TA-50-41	20.79	3.67E-02	--	--	--	3.20E-05	1.25E-05	1.55E+00	3.35E-01	--	2.15E-05	--	--	3.28E-09	1.57E-07	2.86E-13	9.19E-08	1.68E-05	1.62E-06	1.09E-05	3.39E-12
LA	LA-TA-55-03	35.59	1.09E+01	--	--	--	1.02E-02	3.74E-02	2.12E+02	4.88E+01	1.96E-19	1.59E-01	2.73E-08	--	1.12E-06	4.50E-04	4.14E-11	3.03E-05	4.84E-02	2.30E-04	1.59E-03	1.29E-07
LA	LA-TA-55-04	1.25	1.34E-01	--	--	--	1.15E-04	2.72E-05	3.23E+00	7.08E-01	2.51E-21	4.46E-05	--	--	1.17E-08	3.24E-07	5.99E-13	3.29E-07	3.49E-05	3.35E-06	2.30E-05	6.98E-12
LA	LA-TA-55-05	56.50	4.66E+00	7.89E-05	--	1.44E-17	4.09E-03	4.00E-01	1.01E+02	2.29E+01	2.50E-05	6.68E-02	5.96E-08	7.01E-18	4.21E-07	6.62E-03	1.94E-11	1.18E-05	7.12E-01	2.58E-04	7.43E-04	2.31E-06
LA	LA-TA-55-07	3.12	1.29E+00	--	--	--	1.12E-03	1.31E-02	2.31E+01	5.22E+00	2.32E-20	1.17E-01	1.63E-07	--	1.13E-07	1.58E-04	4.42E-12	3.19E-06	1.70E-02	2.40E-05	1.70E-04	1.83E-08
LA	LA-TA-55-08	2.70	2.78E-01	--	--	--	2.40E-04	2.15E-03	6.68E+00	1.47E+00	4.99E-21	9.40E-05	--	--	2.43E-08	2.58E-05	1.24E-12	6.85E-07	2.78E-03	6.94E-06	4.76E-05	1.47E-11
LA	LA-TA-55-09	0.62	1.32E-02	5.86E-06	--	--	1.37E-05	4.29E-02	1.29E-01	6.41E-02	2.91E-22	8.72E-04	8.86E-10	--	1.65E-09	7.39E-04	5.43E-14	4.31E-08	7.95E-02	1.33E-07	2.08E-06	1.36E-10
LA	LA-TA-55-10	0.62	4.48E-02	1.00E-05	--	--	4.20E-05	2.40E-02	7.25E-02	5.82E-02	8.68E-22	6.82E-03	--	--	4.60E-09	4.09E-04	4.92E-14	1.25E-07	4.41E-02	7.51E-08	1.89E-06	1.07E-09
LA	LA-TA-55-12	0.21	4.91E-03	--	--	--	4.23E-06	1.15E-06	2.75E-02	1.24E-02	9.63E-23	4.07E-06	--	--	4.26E-10	1.36E-08	1.05E-14	1.20E-08	1.47E-06	2.29E-04	4.02E-07	8.75E-07
LA	LA-TA-55-14	358.80	6.59E+02	--	--	--	5.71E-01	5.74E-03	6.23E+02	1.37E+02	4.49E-19	6.18E-02	--	--	5.79E-05	6.96E-05	1.16E-10	1.63E-03	7.48E-03	1.11E-03	4.46E-03	2.94E-05
LA	LA-TA-55-15	18.10	2.34E+01	--	--	--	2.02E-02	3.01E-01	5.18E+02	1.17E+02	4.19E-19	9.39E-03	--	--	2.04E-06	3.61E-03	9.91E-11	5.76E-05	3.89E-01	5.38E-04	3.80E-03	1.47E-09
LA	LA-TA-55-17B	14.82	8.00E-02	--	--	--	6.87E-05	1.53E-04	1.92E+00	4.21E-01	1.65E-21	2.66E-05	--	--	6.91E-09	1.79E-06	3.55E-13	1.95E-07	1.93E-04	1.99E-06	1.37E-05	4.16E-12
LA	LA-TA-55-18	0.42	--	--	--	--	--	3.59E-02	--	--	--	--	--	--	--	4.80E-04	--	--	5.10E-02	--	--	--
LA	LA-TA-55-19	1200.75	2.02E+02	3.29E-03	--	4.56E-16	1.86E-01	5.47E+00	4.01E+03	1.10E+03	--	2.14E+00	1.78E-06	2.13E-17	6.74E-03	8.77E-02	5.72E-08	7.18E-02	9.28E+00	1.98E-02	3.84E-02	8.41E-03
LA	LA-TA-55-19.01-S	81.42	1.66E+01	3.97E-03	--	4.54E-17	1.81E-02	6.09E-03	2.42E+02	5.52E+01	2.06E-19	1.66E-01	--	--	2.24E-06	1.19E-03	4.64E-11	5.78E-05	1.25E-01	4.77E-04	1.79E-03	3.86E-04
LA	LA-TA-55-19.02-S	228.99	9.33E+01	7.04E-02	--	2.74E-14	1.01E-01	6.12E-02	7.93E+02	2.05E+02	1.08E-18	1.24E+00	--	1.25E-14	4.30E-04	9.77E-03	2.06E-05	4.84E-03	8.77E-01	1.77E-03	6.61E-03	1.53E-03
LA	LA-TA-55-20	46.28	4.90E+00	1.73E-04	--	--	4.42E-03	1.33E-01	1.27E+02	2.89E+01	--	2.64E-02	--	--	4.68E-07	1.68E-03	2.51E-11	1.29E-05	1.80E-01	4.83E-04	9.50E-04	4.45E-05
LA	LA-TA-55-21	75.52	1.21E+01	2.47E-04	--	8.82E-18	1.09E-02	6.17E-01	3.16E+02	7.96E+01	--	4.64E-02	2.53E-08	3.89E-18	1.16E-06	9.32E-03	7.03E-11	3.19E-05	9.86E-01	4.14E-04	2.64E-03	1.00E-03
LA	LA-TA-55-22	27.13	1.06E+00	1.96E-05	--	1.70E-17	9.78E-04	5.11E-01	2.21E+01	5.39E+00	1.39E-05	2.70E-03	4.28E-10	8.24E-18	1.06E-07	7.78E-03	4.63E-12	2.89E-06	8.32E-01	2.48E-05	1.76E-04	4.46E-09
LA	LA-TA-55-23	1.66	3.04E-01	--	--	--	2.70E-04	4.93E-02	1.25E+01	2.70E+00	--	2.00E-04	--	--	2.83E-08	6.77E-04	2.36E-12	7.85E-07	7.17E-02	1.31E-05	8.92E-05	3.18E-11
LA	LA-TA-55-24	1.46	2.05E-01	--	--	--	1.79E-04	6.30E-05	6.46E+00	1.47E+00	--	1.30E-04	--	--	1.83E-08	1.69E-06	1.32E-12	5.13E-07	1.81E-04	1.43E-04	4.92E-05	3.16E-05
LA	LA-TA-55-25	0.42	2.30E-01	--	--	--	2.04E-04	7.48E-05	9.63E+00	2.09E+00	--	1.43E-04	--	--	2.12E-08	1.01E-06	1.82E-12	5.91E-07	1.07E-04	1.01E-05	6.89E-05	2.27E-11

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-26	1.66	2.61E-02	--	--	--	2.54E-05	1.50E-02	6.24E-01	1.50E-01	--	2.59E-05	--	--	2.89E-09	1.88E-04	1.28E-13	7.71E-08	2.02E-02	6.51E-07	4.90E-06	4.08E-12
LA	LA-TA-55-27	0.42	5.81E-04	--	--	--	5.16E-07	1.87E-07	2.49E-02	5.37E-03	--	3.45E-07	--	--	5.38E-11	2.54E-09	4.68E-15	1.50E-09	2.70E-07	2.62E-08	1.77E-07	5.49E-14
LA	LA-TA-55-29	3.74	1.39E-01	1.14E-04	--	--	1.80E-04	6.27E-01	1.99E+00	8.88E-01	6.56E-05	9.63E-04	--	--	2.49E-08	1.09E-02	7.57E-13	6.12E-07	1.17E+00	2.07E-06	2.89E-05	1.51E-10
LA	LA-TA-55-30	1180.30	1.39E+02	3.24E-04	--	1.21E-16	1.25E-01	8.22E+00	2.20E+03	6.40E+02	2.10E-05	4.82E-01	1.42E-07	5.64E-17	1.57E-05	1.23E-01	5.67E-10	3.64E-04	1.30E+01	4.41E-03	2.13E-02	2.45E-02
LA	LA-TA-55-30-S	95.32	2.77E+01	5.91E-03	--	4.07E-13	3.14E-02	1.35E-02	2.40E+02	6.25E+01	2.79E-19	5.98E-02	--	1.98E-13	8.77E-04	2.44E-04	3.28E-05	9.54E-03	2.64E-02	4.63E-04	2.02E-03	5.58E-04
LA	LA-TA-55-31	21.65	2.61E+00	2.54E-06	--	--	2.30E-03	9.09E-04	1.01E+02	2.13E+01	--	1.60E-02	1.37E-08	--	2.38E-07	4.19E-05	1.91E-11	6.64E-06	4.47E-03	2.06E-04	7.12E-04	2.41E-07
LA	LA-TA-55-32	10.02	1.45E+00	6.72E-05	--	1.53E-17	1.34E-03	8.05E-01	2.03E+01	5.38E+00	9.26E-06	1.51E-02	1.31E-08	7.35E-18	1.45E-07	1.20E-02	5.22E-12	3.96E-06	1.27E+00	9.72E-05	1.88E-04	7.08E-07
LA	LA-TA-55-33	2.50	4.39E-02	--	--	--	3.91E-05	1.47E-05	4.76E-01	2.14E-01	--	7.22E-05	--	--	4.10E-09	2.03E-07	1.88E-13	1.14E-07	2.15E-05	5.01E-07	7.08E-06	1.15E-11
LA	LA-TA-55-34	70.51	7.12E+01	--	--	--	6.32E-02	1.80E-02	1.77E+03	4.13E+02	--	1.42E-01	9.66E-08	--	9.09E-04	3.74E-04	3.61E-10	9.78E-03	3.97E-02	2.43E-03	1.36E-02	2.80E-02
LA	LA-TA-55-36	0.21	2.77E+00	--	--	--	2.43E-03	3.22E-05	4.09E+00	8.83E-01	--	5.68E-05	--	--	2.50E-07	4.16E-07	7.61E-13	7.01E-06	4.44E-05	4.28E-06	2.89E-05	8.97E-12
LA	LA-TA-55-38	3.54	2.07E-01	--	--	--	1.85E-04	6.54E-01	1.31E+00	4.75E-01	--	3.80E-04	--	--	1.94E-08	9.14E-03	4.16E-13	5.39E-07	9.67E-01	1.39E-06	1.57E-05	6.04E-11
LA	LA-TA-55-39	69.26	8.04E+01	--	--	--	7.14E-02	3.03E-02	3.29E+03	7.15E+02	--	2.71E-01	2.07E-07	--	7.45E-06	4.14E-04	6.23E-10	2.07E-04	4.39E-02	3.46E-03	2.36E-02	8.02E-08
LA	LA-TA-55-43	65.51	8.04E-02	1.78E-06	--	--	8.00E-05	9.06E-02	5.50E-01	1.71E-01	--	1.74E-04	--	--	9.32E-09	1.32E-03	1.50E-06	2.46E-07	1.40E-01	6.56E-07	5.65E-06	2.76E-11
LA	LA-TA-55-43.01-S	190.89	1.36E-01	1.31E-05	--	--	1.54E-04	1.60E-01	4.53E-01	6.85E-01	1.85E-21	5.32E-04	--	--	1.97E-08	2.20E-03	4.58E-06	5.01E-07	2.38E-01	4.69E-07	2.22E-05	8.32E-11
LA	LA-TA-55-46	0.21	1.89E-05	--	--	--	1.66E-08	2.19E-05	4.98E-05	2.35E-05	--	2.10E-08	--	--	1.72E-12	2.88E-07	2.03E-17	4.80E-11	3.06E-05	5.22E-11	7.70E-10	3.32E-15
LA	LA-TA-55-47	1.89	6.45E-04	--	--	--	5.60E-07	2.22E-07	2.71E-02	5.86E-03	--	3.77E-07	--	--	5.71E-11	2.75E-09	5.00E-15	1.61E-09	2.95E-07	2.82E-08	1.91E-07	5.92E-14
LA	LA-TA-55-50	3.14	6.62E-03	--	--	--	5.76E-06	7.30E-04	1.51E-01	3.27E-02	1.26E-22	2.65E-06	--	--	5.88E-10	8.69E-06	2.76E-14	1.65E-08	9.36E-04	1.57E-07	1.06E-06	4.15E-13
LA	LA-TA-55-53	11.86	1.36E+01	--	--	--	1.16E-02	2.91E-03	2.96E+02	6.75E+01	2.93E-19	5.47E-03	--	--	1.17E-06	3.38E-05	5.68E-11	3.31E-05	3.65E-03	3.06E-04	2.19E-03	8.53E-10
LA	LA-TA-55-54	0.21	2.39E-04	--	--	--	2.13E-07	4.39E-08	5.92E-03	1.30E-03	--	8.17E-08	--	--	2.22E-11	6.03E-10	1.13E-15	6.18E-10	6.39E-08	6.24E-09	4.28E-08	1.30E-14
LA	LA-TA-55-60	75.60	1.66E+00	--	--	--	5.17E-03	2.97E-03	1.24E+01	3.94E+00	--	4.03E-01	3.82E-07	--	9.66E-07	4.15E-05	3.46E-12	2.12E-05	4.39E-03	1.30E-05	1.30E-04	4.18E-07
LA	LA-TA-55-61	119.07	1.60E+00	--	--	--	1.42E-03	1.59E-02	2.48E+01	7.83E+00	--	1.78E-02	1.50E-08	--	1.48E-07	2.18E-04	6.83E-12	4.12E-06	2.31E-02	2.61E-05	2.58E-04	2.82E-09
LA	LA-TA-55-62	15.12	6.24E-02	--	--	--	5.57E-05	2.26E-05	6.18E-01	2.74E-01	--	1.01E-04	--	--	5.83E-09	3.13E-07	2.40E-13	1.62E-07	3.31E-05	6.52E-07	9.06E-06	1.61E-11
LA	LA-TA-55-63	3.78	5.31E-03	--	--	--	4.68E-06	1.75E-06	2.26E-01	4.88E-02	--	3.14E-06	--	--	4.84E-10	2.30E-08	4.22E-14	1.35E-08	2.46E-06	2.37E-07	1.60E-06	4.97E-13
LB	LB-T001	1.61	1.22E-02	2.92E-03	--	--	2.83E-04	5.55E-08	3.05E-03	6.77E-04	3.21E-04	6.73E-05	5.98E-11	--	4.29E-05	6.42E-10	8.03E-09	4.65E-04	6.98E-08	1.80E-07	2.19E-08	2.57E-07
LB	LB-T002	1.40	8.47E-03	3.17E-04	--	2.00E-19	4.90E-03	2.55E-06	7.47E-02	1.04E-04	1.09E-08	6.00E-05	4.06E-05	--	1.05E-06	3.18E-08	8.67E-17	2.22E-05	3.41E-06	7.49E-07	3.34E-09	2.66E-08
LB	LB-T003	1.40	3.44E-02	--	7.50E-20	--	2.98E-05	--	--	3.84E-05	--	--	--	--	3.03E-09	--	3.26E-17	8.52E-08	--	--	1.25E-09	--
LL	BLCHDN.001-S	1.66	2.17E-02	2.03E-03	1.72E-18	--	9.12E-04	2.63E-05	6.70E-05	5.46E-04	9.17E-04	--	--	--	1.89E-07	2.95E-07	4.55E-16	4.05E-06	3.20E-05	3.72E-11	1.76E-08	--
LL	LL-M001	1532.77	1.42E+03	9.78E-01	2.99E-14	1.24E-10	1.29E+00	2.77E+00	5.58E+03	1.58E+03	3.54E+00	5.49E-01	4.47E-07	6.08E-11	3.12E+00	3.04E-02	6.16E-05	3.31E+01	3.20E+00	1.33E-02	5.06E-02	1.78E-02
LL	LL-M001-S5400-S	143.14	7.02E+01	1.23E-02	2.68E-16	1.04E-15	1.32E-01	1.08E-01	5.81E+02	1.51E+02	2.70E-03	3.16E-02	--	5.01E-16	2.12E-05	1.38E-03	1.26E-10	4.95E-04	1.49E-01	1.09E-03	4.86E-03	3.54E-03
LL	LL-T004	1.25	4.16E+00	--	1.73E-20	--	3.59E-03	5.09E-04	4.14E+00	1.87E+00	1.00E-20	1.30E-03	--	--	3.64E-07	5.55E-06	1.55E-12	1.03E-05	6.03E-04	4.26E-06	6.01E-05	2.01E-10
LL	LL-T005	0.42	1.58E-03	--	--	3.96E-13	1.33E-06	8.51E-08	5.82E-03	1.24E-03	1.43E-23	1.63E-07	--	1.94E-13	1.32E-10	9.28E-10	1.03E-15	3.76E-09	1.01E-07	5.97E-09	3.98E-08	2.52E-14
LL	LL-W018a	1517.72	1.57E+01	--	4.34E-19	--	1.33E-02	1.74E-03	4.74E+01	1.31E+01	1.52E-19	3.11E-03	--	--	1.32E-06	1.90E-05	1.08E-11	3.75E-05	2.07E-03	4.87E-05	4.19E-04	4.81E-10
LL	LL-W018b	27.35	5.18E+01	7.30E-05	6.20E-20	6.26E-12	4.38E-02	3.06E-02	4.43E+00	1.80E-05	5.01E-22	--	5.96E-19	9.56E-12	4.34E-06	3.34E-04	1.49E-17	1.24E-04	3.63E-02	7.86E-06	5.78E-10	--
LL	LL-W019	15.81	8.45E+00	2.30E-06	1.15E-19	1.72E-15	8.82E-03	7.88E-03	7.97E+01	2.06E+01	1.14E-19	4.04E-03	--	8.42E-16	9.61E-02	8.78E-05	1.70E-11	1.04E+00	9.55E-03	8.10E-04	6.61E-04	2.07E-03
MC	MC-W001	0.21	--	--	--	--	3.95E-05	--	4.90E-03	--	--	--	--	--	8.67E-09	--	--	1.81E-07	--	5.17E-09	--	--
NT	NT-JAS-01	1971.73	8.30E+01	--	--	--	7.07E-02	4.05E-02	1.90E+02	1.42E+02	1.41E-18	--	--	--	7.05E-06	4.58E-04	1.18E-10	2.00E-04	4.96E-02	1.96E-04	4.57E-03	--
NT	NTLBL-S5400-S	1.66	2.25E-01	5.27E-03	7.91E-18	2.62E-15	8.66E-04	4.42E-05	6.53E-01	1.39E-01	3.95E-05	2.11E-05	--	1.28E-15	1.60E-07	4.91E-07	1.16E-13	3.56E-06	5.32E-05	6.72E-07	4.47E-06	3.28E-12
NT	NTLRC-S5400-S	3.12	1.15E+00	3.19E-05	--	5.68E-17	1.22E-03	1.74E-04	6.98E+00	2.37E+00	1.18E-20	2.92E-04	--	2.77E-17	1.47E-07	4.27E-05	1.97E-12	3.84E-06	4.63E-03	1.55E-04	7.63E-05	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	1.03E+00	8.34E-07	--	--	9.10E-04	2.87E-04	2.36E+01	4.95E+00	1.52E-20	4.30E-04	--	--	5.45E-04	1.15E-05	4.11E-12	5.92E-03	1.25E-03	4.21E-05	1.59E-04	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	1.08E+00	--	--	--	9.46E-04	3.61E-04	3.77E+01	6.46E+00	2.29E-20	5.24E-04	--	--	9.72E-08	4.54E-06	5.38E-12	2.72E-06	4.92E-04	3.88E-05	2.08E-04	2.84E-05
NT	NT-RF-METAL-S	6.03	2.37E-01	2.47E-06	--	--	2.12E-04	6.44E-05	6.54E+00	1.50E+00	5.40E-21	1.35E-04	--	--	2.22E-08	4.11E-04	1.25E-12	6.17E-07	4.46E-02	3.41E-05	4.82E-05	2.23E-02
NT	NTS54332R0-S	307.24	3.04E+01	1.18E-02	2.59E-17	1.20E-14	4.00E-02	7.56E-03	3.58E+02	8.66E+01	2.08E-04	1.04E-02	--	6.00E-15	2.00E-02	3.40E-04	7.23E-11	2.17E-01	3.69E-02	1.00E+00	2.79E-03	1.01E-02

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
NT	NTS54COMR0-S	50.35	7.41E+00	1.90E-02	2.18E-16	4.19E-15	1.11E-02	6.46E-03	4.97E+01	1.10E+01	7.32E-04	1.84E-03	--	2.05E-15	2.40E-02	9.10E-05	9.18E-12	2.60E-01	9.87E-03	6.43E-05	3.55E-04	8.79E-04
NT	NTS54MIX1R0-S	0.42	8.10E-04	8.69E-05	--	3.73E-15	1.48E-06	1.22E-07	2.81E-02	6.25E-03	8.02E-24	6.81E-07	--	--	2.34E-10	1.39E-09	5.23E-15	5.49E-09	1.50E-07	2.90E-08	2.02E-07	1.06E-13
NT	NT-W001	111.46	1.06E+01	2.01E-01	2.98E-18	2.27E-13	1.02E-02	6.87E-03	4.90E+02	3.04E+00	7.18E-05	1.58E-02	1.82E-07	3.74E-16	3.05E-02	9.87E-05	2.63E-12	3.26E-01	1.05E-02	5.33E-04	9.97E-05	2.80E-05
NT	NT-W002	18.79	1.79E+00	3.40E-02	5.03E-19	3.82E-14	1.72E-03	1.16E-03	8.26E+01	5.12E-01	1.21E-05	2.66E-03	3.06E-08	6.31E-17	5.15E-03	1.66E-05	4.43E-13	5.49E-02	1.77E-03	8.98E-05	1.68E-05	4.72E-06
NT	NT-W003	1.89	3.32E-01	--	--	2.50E-15	3.02E-04	5.12E-05	3.28E+00	7.45E-01	--	1.14E-04	--	--	3.23E-08	6.74E-07	6.44E-13	8.88E-07	7.18E-05	1.56E-04	2.44E-05	4.62E-05
NT	NT-W004	0.21	--	--	--	--	--	1.02E-04	2.69E-02	--	--	--	--	--	--	1.34E-06	--	--	1.43E-04	2.82E-08	--	--
NT	NT-W005	0.21	3.47E-03	--	--	1.10E-17	3.19E-06	7.60E-07	4.89E-02	1.11E-02	1.49E-09	1.70E-06	--	--	3.44E-10	1.00E-08	9.59E-15	9.42E-09	1.07E-06	5.12E-08	3.64E-07	1.81E-06
NT	NT-W021	9.00	1.85E+00	--	--	--	1.63E-03	4.43E-04	4.97E+01	1.05E+01	--	1.03E-03	--	--	1.69E-07	2.71E-04	9.08E-12	4.71E-06	2.89E-02	5.93E-04	3.45E-04	2.79E-02
OR	OR-CHEM-CH-HET	26.00	9.70E-01	9.43E-04	9.27E-19	1.22E-11	8.92E-04	3.19E-02	3.05E+00	5.26E-01	--	8.09E-04	6.39E-18	4.92E-12	5.72E-02	4.34E-04	7.08E-05	6.09E-01	4.62E-02	6.83E-05	1.78E-05	1.05E-03
OR	OR-GENR-CH-HET	26.00	8.83E-02	4.30E-01	5.33E-17	7.84E-17	1.39E-02	2.73E-03	2.52E+00	3.89E-02	5.39E-03	1.12E-01	4.28E-08	1.97E-16	5.69E-03	3.15E-04	1.81E-06	6.07E-02	4.07E-03	7.21E-06	3.60E-05	5.41E-04
OR	OR-ISTP-CH-HET	69.06	3.64E+01	8.62E-01	5.54E-15	1.22E-12	3.31E-01	2.70E-01	1.19E+01	1.72E+01	1.40E-03	8.98E-02	8.58E-09	6.78E-16	1.67E-02	4.09E-03	1.46E-04	1.79E-01	3.82E-01	2.06E-04	5.70E-04	2.35E-04
OR	OR-NBL-CH-HET	11.44	2.09E-05	--	--	--	8.21E-09	2.17E-04	1.05E+00	3.85E-01	2.21E-05	--	--	--	1.35E-03	1.39E-05	3.33E-13	1.44E-02	1.48E-03	1.63E-04	1.26E-05	1.00E-03
OR	OR-NFS-CH-HET	58.86	1.12E+01	2.48E-03	4.47E-17	1.59E-12	9.94E-03	3.10E-03	8.44E+01	4.33E+01	4.81E-04	2.22E-02	2.59E-10	5.62E-12	1.17E-02	2.48E-02	6.61E-05	1.25E-01	2.64E+00	2.79E-04	1.42E-03	3.09E-03
OR	OR-NFS-CH-HOM	9.98	2.47E+01	--	--	--	2.18E-02	8.85E-03	1.54E+02	7.67E+01	--	1.04E-02	--	--	2.26E-06	4.27E-02	6.64E-11	6.31E-05	4.55E+00	3.44E-04	2.52E-03	5.02E-03
OR	OR-NFS-CH-SOIL	123.76	3.38E+01	--	--	--	2.98E-02	7.72E-03	3.27E+02	1.33E+02	--	1.14E-02	--	--	9.03E-04	6.35E-02	8.34E-06	9.68E-03	6.76E+00	8.95E-04	4.37E-03	7.00E-03
OR	OR-PGDP-CH-HET	3.74	--	--	--	--	8.79E-02	--	2.76E-01	--	--	--	--	--	1.91E-05	9.90E-05	--	4.00E-04	1.06E-02	4.25E-04	--	1.05E-02
OR	OR-RADP-CH-HET	45.76	6.31E+00	5.82E-02	7.29E-16	5.10E-14	9.31E-03	4.74E-04	1.05E+01	2.26E+00	1.43E-04	1.38E-04	9.54E-09	2.50E-14	1.85E-03	7.36E-06	5.80E-07	1.97E-02	7.83E-04	1.50E-04	7.44E-05	4.17E-06
OR	OR-REDC-CH-HET	489.23	2.82E+00	6.11E-01	8.03E-16	1.51E-10	1.62E-02	4.25E-03	1.25E+01	6.34E+00	2.24E-02	2.19E-02	4.42E-07	5.12E-10	8.82E-04	6.84E-05	1.24E-05	1.56E-03	7.28E-03	2.02E-05	2.33E-01	1.82E-06
OR	OR-RF-CH-HET	130.83	2.11E+00	9.31E-03	1.41E-18	7.53E-12	1.91E-03	1.23E-03	4.10E+01	8.81E+00	4.34E-08	3.59E-02	1.79E-15	2.78E-12	3.90E+00	6.84E-05	3.77E-04	4.13E+01	4.98E-03	1.13E-03	2.89E-04	2.67E-03
OR	OR-RF-CH-HOM	2.50	9.19E-03	--	--	1.41E-13	8.11E-06	5.15E-06	4.07E-02	3.70E-02	--	--	--	7.00E-13	8.41E-10	5.39E-07	3.21E-14	2.35E-08	5.75E-05	2.34E-06	1.22E-06	8.19E-05
OR	OR-TBD-CH-HET	165.85	4.61E+01	2.57E+00	2.90E-15	4.29E-11	1.19E-01	1.36E-01	8.32E+01	1.86E+02	3.19E-06	2.14E-02	5.36E-09	4.48E-13	2.56E-01	1.99E-03	1.78E-04	2.72E+00	2.09E-01	1.70E-03	6.13E-03	3.08E-02
OR	OR-W203	285.72	6.52E-01	1.67E-01	2.80E-15	4.86E-10	5.51E-04	5.88E-04	3.95E-02	2.29E+00	9.61E-05	2.80E-02	4.71E-08	1.76E-09	5.44E-08	6.42E-06	1.89E-12	1.55E-06	6.97E-04	3.80E-08	7.34E-05	4.05E-09
OR	OR-W213-CH-HET	322.63	2.30E+00	3.10E-03	2.83E-19	5.82E-10	1.34E-02	6.22E-04	5.28E+00	6.08E-03	8.74E-21	3.00E-03	--	2.13E-12	8.29E+00	1.88E-02	1.29E-01	1.04E+01	5.94E-01	8.87E-03	9.43E-03	1.13E-01
OR	OR-WSTR-CH-HET	0.42	--	--	--	--	--	1.36E-05	--	--	--	--	--	--	--	1.80E-07	--	--	1.92E-05	--	--	--
OR	OR-Y12-CH-HET	1.04	--	--	--	--	5.36E-03	5.69E-08	5.08E-02	9.84E-06	--	--	--	--	1.16E-06	4.36E-06	8.52E-18	2.44E-05	4.64E-04	1.20E-04	3.23E-10	5.29E-04
PA	PA-A015	2.08	7.80E-03	--	--	--	1.31E-01	8.72E-07	3.83E-01	--	--	--	--	--	2.81E-05	1.03E-02	--	5.93E-04	1.67E-02	8.36E-04	--	1.82E-02
PA	PA-W014	2.91	3.12E-02	--	--	5.16E-13	2.07E+00	--	1.55E-01	--	--	--	--	--	4.44E-04	6.68E-04	--	9.38E-03	7.16E-02	3.90E-03	--	1.09E-01
RF	RF001.01-S	979.16	3.62E+02	1.07E-03	--	--	3.62E-01	4.38E-02	3.27E+03	7.01E+02	3.90E-18	1.18E-01	--	--	6.98E-03	2.35E-03	5.90E-10	7.61E-02	2.53E-01	1.29E-02	2.27E-02	2.21E-03
RF	RF002.01-S	1460.53	3.63E+02	9.61E-04	--	1.58E-14	3.20E-01	6.50E-02	4.28E+03	9.31E+02	6.32E-18	1.22E-01	--	--	2.04E-03	1.94E-03	7.81E-10	2.27E-02	2.10E-01	1.14E-02	3.01E-02	2.83E-01
RF	RF003.01-S	355.39	6.67E+02	--	--	--	5.76E-01	1.57E-01	1.23E+04	2.75E+03	1.23E-17	2.93E-01	--	--	9.87E-04	1.96E-03	2.31E-09	1.17E-02	2.12E-01	1.32E-02	8.90E-02	1.30E-03
RF	RF004.01-S	282.97	6.01E+01	8.02E-07	--	--	5.25E-02	9.79E-03	6.67E+02	1.43E+02	1.06E-18	1.91E-02	--	--	5.38E-06	3.00E-04	1.20E-10	1.51E-04	3.25E-02	1.35E-03	4.61E-03	7.54E-04
RF	RF005.01-S	119.39	1.07E+03	--	--	--	9.25E-01	6.18E-02	4.65E+03	1.10E+03	2.73E-18	1.01E-01	--	--	9.36E-05	7.30E-04	9.31E-10	2.64E-03	7.87E-02	4.89E-03	3.58E-02	1.58E-08
RF	RF005.02-S	78.42	1.27E+03	--	--	--	1.10E+00	3.65E-02	2.81E+03	6.84E+02	1.51E-18	6.44E-02	--	--	1.10E-04	4.33E-04	5.76E-10	3.12E-03	4.67E-02	2.93E-03	2.22E-02	1.81E-07
RF	RF006.01-S	235.66	5.31E+02	--	--	--	4.66E-01	1.38E-01	8.95E+03	2.00E+03	--	2.96E-01	--	--	4.81E-05	1.76E-03	1.71E-09	1.34E-03	1.89E-01	9.52E-03	6.52E-02	1.43E-06
RF	RF008.01-S	97.15	2.54E+02	--	--	--	2.31E-01	5.91E-02	3.30E+03	8.35E+02	3.63E-18	1.36E-01	--	--	2.47E-05	6.95E-04	7.03E-10	6.80E-04	7.50E-02	3.44E-03	2.70E-02	9.65E-08
RF	RF009.01-S	1326.87	1.35E+04	--	--	--	1.19E+01	5.87E-01	5.34E+04	1.22E+04	3.22E-17	1.36E+00	--	--	1.24E-03	6.91E-03	1.03E-08	3.45E-02	7.45E-01	5.55E-02	3.96E-01	2.93E-06
RF	RF010.01-S	629.55	3.96E+02	3.73E-05	--	--	3.44E-01	7.54E-02	6.08E+03	1.31E+03	6.31E-18	1.59E-01	--	--	3.50E-05	2.01E-03	1.10E-09	9.85E-04	2.17E-01	1.03E-02	4.24E-02	3.58E-03
RF	RF011.01-S	79.52	6.83E+01	--	--	--	5.86E-02	1.88E-02	1.44E+03	3.21E+02	1.33E-18	3.06E-02	--	--	5.88E-06	2.21E-04	2.69E-10	1.66E-04	2.40E-02	1.51E-03	1.04E-02	4.21E-06
RF	RF015.01-S	1.66	1.30E+00	--	--	--	1.19E-03	2.85E-04	1.82E+01	3.93E+00	3.29E-20	5.81E-04	--	--	1.27E-07	3.25E-06	3.29E-12	3.50E-06	3.52E-04	1.88E-05	1.27E-04	9.04E-11
RF	RF029.01-S	4346.69	6.52E+02	1.31E-03	--	1.32E-15	5.78E-01	1.11E-01	6.65E+03	1.48E+03	1.31E-17	2.21E-01	1.15E-14	4.41E-18	6.01E-05	2.00E-03	1.24E-09	1.67E-03	2.17E-01	9.49E-03	4.77E-02	1.26E-03
RF	RF031.01-S	20.59	3.29E+00	--	--	--	2.84E-03	7.00E-04	4.67E+01	1.00E+01	8.16E-20	1.32E-03	--	--	2.87E-07	1.61E-05	8.35E-12	8.10E-06	1.74E-03	7.73E-05	3.23E-04	4.10E-05
RF	RF032.01-S	209.25	5.66E+02	--	--	--	5.05E-01	9.39E-02	8.37E+03	1.81E+03	6.42E-18	1.51E-01	--	--	5.29E-05	1.10E-03	1.52E-09	1.47E-03	1.19E-01	8.70E-03	5.87E-02	5.27E-07

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF033.01-S	25.58	4.08E+01	--	--	--	3.55E-02	1.04E-02	7.76E+02	1.67E+02	9.93E-19	1.84E-02	--	--	3.62E-06	1.22E-04	1.40E-10	1.02E-04	1.32E-02	8.11E-04	5.40E-03	6.00E-05
RF	RF036.01-S	44.10	1.82E+01	7.39E-05	--	--	1.58E-02	4.06E-03	2.57E+02	5.54E+01	5.10E-19	8.16E-03	--	--	1.60E-06	6.82E-05	4.62E-11	4.51E-05	7.40E-03	3.75E-04	1.79E-03	2.98E-03
RF	RF101.01-S	174.96	1.12E+02	9.60E-04	--	--	9.75E-02	2.43E-02	1.64E+03	3.54E+02	2.41E-18	4.60E-02	--	--	9.94E-06	6.61E-04	2.97E-10	2.80E-04	7.15E-02	3.04E-03	1.14E-02	8.53E-04
RF	RF101.29-S	30.39	9.94E+00	--	--	--	8.64E-03	2.32E-03	1.52E+02	3.26E+01	2.08E-19	4.23E-03	--	--	8.80E-07	7.75E-05	2.74E-11	2.47E-05	8.38E-03	3.36E-04	1.06E-03	2.04E-04
RF	RF101.30-S	117.41	8.99E+01	2.85E-04	--	--	7.89E-02	1.16E-02	8.53E+02	1.85E+02	1.05E-18	2.53E-02	--	--	8.12E-06	2.86E-04	1.55E-10	2.27E-04	3.09E-02	1.41E-03	5.99E-03	1.85E-04
RF	RF101.31-S	62.53	1.84E+01	1.24E-05	--	--	1.60E-02	3.17E-03	2.27E+02	4.98E+01	2.67E-19	8.23E-03	--	--	1.63E-06	8.88E-05	4.19E-11	4.58E-05	9.59E-03	4.17E-04	1.61E-03	8.29E-05
RF	RF101.35-S	79.56	6.28E+01	--	--	--	5.53E-02	8.93E-03	6.20E+02	1.34E+02	8.79E-19	2.08E-02	--	--	5.72E-06	8.82E-04	1.12E-10	1.60E-04	9.53E-02	3.36E-03	4.32E-03	2.19E-04
RF	RF102.01-S	223.63	4.78E+01	1.81E-04	--	4.98E-13	4.21E-02	8.91E-03	5.56E+02	1.22E+02	1.00E-18	1.77E-02	--	--	4.34E-06	1.39E-04	1.03E-10	1.21E-04	1.51E-02	7.10E-04	3.95E-03	3.99E-04
RF	RF102.31-S	124.09	3.55E+01	1.75E-05	--	--	3.12E-02	4.13E-03	2.67E+02	5.83E+01	4.44E-19	8.44E-03	--	--	3.21E-06	1.20E-04	4.88E-11	8.99E-05	1.30E-02	5.50E-04	1.88E-03	2.14E-03
RF	RF104.01-S	54.38	3.20E+01	2.07E-04	--	--	2.81E-02	4.85E-03	3.97E+02	8.65E+01	4.55E-19	9.36E-03	--	--	2.89E-06	6.26E-05	7.23E-11	8.09E-05	6.78E-03	4.38E-04	2.79E-03	1.40E-04
RF	RF107.01-S	63.44	5.12E+02	--	--	--	4.50E-01	2.86E-03	1.85E+02	3.97E+01	3.60E-19	5.78E-03	--	--	4.63E-05	1.91E-04	3.31E-11	1.29E-03	2.08E-02	1.30E-03	1.28E-03	5.98E-02
RF	RF107.03-S	60.94	3.60E+00	--	--	--	3.17E-03	3.50E-04	2.25E+01	4.83E+00	4.40E-20	7.06E-04	--	--	3.27E-07	7.24E-04	4.03E-12	9.14E-06	7.95E-02	9.15E-03	1.56E-04	6.86E-01
RF	RF107.04-S	110.31	1.42E+01	--	--	--	1.26E-02	1.25E-03	8.08E+01	1.73E+01	1.57E-19	2.52E-03	--	--	1.30E-06	3.36E-05	1.44E-11	3.62E-05	3.66E-03	2.94E-04	5.58E-04	1.54E-02
RF	RF107.05-S	4.37	1.63E+00	--	--	--	1.41E-03	3.07E-04	1.98E+01	4.25E+00	3.87E-20	6.21E-04	--	--	1.43E-07	9.41E-05	3.55E-12	4.02E-06	1.02E-02	3.38E-04	1.37E-04	2.81E-06
RF	RF107.06-S	14.35	1.88E-01	--	--	--	1.61E-04	4.57E-05	2.97E+00	6.35E-01	5.77E-21	9.25E-05	--	--	1.60E-08	2.20E-05	5.30E-13	4.56E-07	2.42E-03	2.66E-04	2.05E-05	2.01E-02
RF	RF107.07-S	58.88	8.08E+01	1.54E-03	--	--	7.09E-02	1.11E-02	7.03E+02	1.52E+02	1.39E-18	2.23E-02	--	--	7.29E-06	1.38E-03	1.26E-10	2.04E-04	1.50E-01	5.14E-03	4.88E-03	2.20E-03
RF	RF110.01-S	9.15	1.60E+01	1.56E-03	--	--	1.38E-02	1.87E-03	1.22E+02	2.62E+01	1.79E-19	6.54E-03	--	--	1.39E-06	2.94E-05	2.20E-11	3.92E-05	3.18E-03	1.55E-04	8.48E-04	1.94E-04
RF	RF110.05-S	31.53	2.31E+01	--	--	--	1.98E-02	6.15E-03	4.48E+02	9.57E+01	4.09E-19	1.02E-02	--	--	1.99E-06	1.16E-04	8.03E-11	5.63E-05	1.26E-02	6.22E-04	3.09E-03	1.67E-05
RF	RF113.01-S	0.42	2.33E-02	--	--	--	2.08E-05	5.48E-06	3.60E-01	7.72E-02	6.38E-22	1.13E-05	--	--	2.18E-09	6.25E-08	6.46E-14	6.06E-08	6.76E-06	3.71E-07	2.49E-06	1.75E-12
RF	RF115.01-S	114.91	1.25E+02	--	--	--	1.08E-01	3.14E-02	2.46E+03	5.29E+02	1.77E-18	4.93E-02	--	--	1.09E-05	3.65E-04	4.43E-10	3.08E-04	3.95E-02	2.56E-03	1.71E-02	6.25E-04
RF	RF116.01-S	3.95	4.99E+00	--	--	--	4.36E-03	7.69E-04	9.51E+01	2.04E+01	4.44E-20	1.51E-03	--	--	4.48E-07	8.77E-06	1.71E-11	1.26E-05	9.49E-04	9.81E-05	6.58E-04	2.36E-10
RF	RF117.01-S	1.87	1.75E+00	--	--	--	1.52E-03	3.70E-04	2.37E+01	5.11E+00	4.31E-20	7.29E-04	--	--	1.56E-07	1.76E-05	4.27E-12	4.37E-06	1.91E-03	7.14E-05	1.65E-04	4.15E-07
RF	RF118.01-S	1432.29	3.84E+03	1.14E-03	--	--	3.35E+00	1.25E+00	6.47E+04	1.61E+04	6.96E-17	2.18E+00	--	--	3.42E-04	1.71E-02	1.35E-08	9.60E-03	1.84E+00	7.58E-02	5.22E-01	2.00E-04
RF	RF119.01-S	24.13	1.19E+01	--	--	--	1.03E-02	2.23E-03	1.43E+02	3.11E+01	2.69E-19	4.45E-03	--	--	1.05E-06	2.94E-05	2.59E-11	2.96E-05	3.18E-03	1.64E-04	1.00E-03	2.13E-04
RF	RF121.01-S	45.97	6.67E+01	--	--	--	5.68E-02	1.93E-02	1.92E+03	4.23E+02	1.11E-18	3.05E-02	--	--	5.67E-06	2.24E-04	3.54E-10	1.61E-04	2.42E-02	2.00E-03	1.37E-02	1.86E-07
RF	RF122.01-S	35.57	6.49E+01	--	--	--	1.12E-01	1.89E-02	1.33E+03	2.96E+02	9.75E-19	3.47E-02	--	--	1.73E-05	2.15E-04	2.48E-10	4.09E-04	2.33E-02	1.37E-03	9.57E-03	5.41E-09
RF	RF122.03-S	4.37	6.92E+00	--	--	--	6.26E-03	2.12E-04	1.38E+01	2.95E+00	2.68E-20	4.29E-04	--	--	6.64E-07	8.58E-05	2.46E-12	1.83E-05	9.35E-03	6.20E-04	9.52E-05	3.39E-02
RF	RF122.04-S	54.08	6.55E+01	--	--	--	5.91E-02	2.42E-03	1.57E+02	3.36E+01	3.05E-19	4.89E-03	--	--	6.25E-06	3.34E-04	2.80E-11	1.73E-04	3.66E-02	3.66E-03	1.08E-03	2.34E-01
RF	RF122.05-S	16.22	7.61E-01	--	--	--	6.58E-04	8.28E-05	5.30E+00	1.14E+00	1.04E-20	1.67E-04	--	--	6.66E-08	1.86E-04	9.50E-13	1.88E-06	2.02E-02	1.05E-03	3.67E-05	3.90E-02
RF	RF122.06-S	7.28	1.43E+01	--	--	--	1.25E-02	3.01E-03	2.45E+02	5.35E+01	1.76E-19	6.36E-03	--	--	1.28E-06	3.72E-05	4.48E-11	3.60E-05	4.03E-03	2.66E-04	1.73E-03	2.81E-04
RF	RF123.01-S	9.38	1.63E+01	--	--	--	1.40E-02	3.04E-03	2.94E+02	6.32E+01	2.19E-19	4.96E-03	--	--	1.40E-06	3.79E-05	5.29E-11	3.98E-05	4.10E-03	3.16E-04	2.04E-03	9.98E-08
RF	RF123.02-S	0.83	5.81E-03	--	--	--	4.94E-06	1.27E-06	8.07E-02	1.74E-02	1.59E-22	2.55E-06	--	--	4.91E-10	2.19E-06	1.45E-14	1.40E-08	2.41E-04	2.71E-05	5.59E-07	2.10E-03
RF	RF123.03-S	12.06	6.48E+01	--	--	--	5.75E-02	3.11E-03	2.00E+02	4.30E+01	3.74E-19	6.30E-03	--	--	5.97E-06	3.66E-05	3.59E-11	1.66E-04	3.97E-03	2.25E-04	1.39E-03	1.47E-03
RF	RF123.04-S	44.51	5.44E+01	--	--	--	4.72E-02	1.23E-02	7.83E+02	1.69E+02	1.48E-18	2.48E-02	--	--	4.79E-06	1.46E-04	1.41E-10	1.35E-04	1.58E-02	8.35E-04	5.44E-03	2.61E-04
RF	RF124.01-S	94.24	1.62E+01	4.09E-06	--	--	1.52E-02	3.40E-03	2.40E+02	5.10E+01	3.63E-19	6.57E-03	--	--	1.68E-06	1.04E-04	4.28E-11	4.55E-05	1.12E-02	3.72E-04	1.65E-03	1.42E-04
RF	RF124.02-S	13.31	4.30E+00	--	--	--	3.80E-03	9.61E-04	6.47E+01	1.37E+01	1.01E-19	1.84E-03	--	--	3.94E-07	1.39E-05	1.15E-11	1.10E-05	1.50E-03	7.68E-05	4.43E-04	8.80E-08
RF	RF125.01-S	14.39	4.99E+01	--	--	--	4.68E-02	4.67E-03	3.75E+02	8.02E+01	3.80E-19	7.65E-03	--	--	5.14E-06	1.33E-04	6.70E-11	1.40E-04	1.44E-02	6.73E-04	2.59E-03	6.28E-04
RF	RF126.01-S	1.04	1.42E+00	--	--	--	1.21E-03	4.55E-04	3.76E+01	7.79E+00	3.01E-20	5.43E-04	--	--	1.21E-07	5.51E-06	6.51E-12	3.43E-06	5.97E-04	4.01E-05	2.51E-04	1.15E-08
RF	RF126.04-S	2.08	3.12E+00	--	--	--	2.66E-03	7.52E-04	6.87E+01	1.46E+01	5.10E-20	1.26E-03	--	--	2.65E-07	9.69E-06	1.22E-11	7.53E-06	1.05E-03	7.42E-05	4.72E-04	3.17E-08
RF	RF128.01-S	198.22	3.06E+02	--	--	--	2.64E-01	1.13E-01	8.26E+03	1.85E+03	6.32E-18	1.51E-01	--	--	2.66E-05	1.30E-03	1.55E-09	7.52E-04	1.41E-01	8.53E-03	5.98E-02	5.24E-08
RF	RF129.01-S	467.76	7.98E+01	9.31E-05	--	5.28E-15	6.98E-02	1.37E-02	8.43E+02	1.86E+02	1.58E-18	2.71E-02	4.79E-18	--	7.17E-06	5.12E-04	1.56E-10	2.01E-04	5.55E-02	2.24E-03	6.01E-03	6.21E-04
RF	RF129.05-S	448.33	9.30E+01	3.11E-04	--	--	8.89E-02	1.23E-02	7.29E+02	1.63E+02	1.47E-18	2.47E-02	--	--	9.93E-06	1.92E-04	1.36E-10	2.68E-04	2.08E-02	9.37E-04	5.25E-03	6.31E-05

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF130.01-S	38.59	7.10E+01	--	1.18E-24	3.41E-14	6.83E-02	7.52E-03	4.81E+02	1.04E+02	9.06E-19	1.52E-02	6.77E-14	8.09E-13	7.67E-06	4.59E-04	4.64E-09	2.06E-04	4.93E-02	2.08E-03	3.34E-03	2.29E-03
RF	RF134.02-S	11.34	7.24E-02	--	--	--	6.17E-05	1.39E-05	8.99E-01	1.93E-01	1.68E-21	2.82E-05	--	--	6.14E-09	1.57E-07	1.61E-13	1.75E-07	1.70E-05	9.26E-07	6.22E-06	4.38E-12
RF	RF135.01-S	2.29	1.08E+00	--	--	--	9.63E-04	4.89E-05	3.22E+00	6.88E-01	5.94E-21	1.00E-04	--	--	1.01E-07	3.55E-06	5.75E-13	2.80E-06	3.89E-04	4.05E-05	2.22E-05	2.89E-03
RF	RF135.02-S	10.40	4.83E-01	--	--	--	4.23E-04	9.26E-05	5.99E+00	1.28E+00	1.17E-20	1.87E-04	--	--	4.34E-08	3.89E-05	1.07E-12	1.22E-06	4.21E-03	1.39E-04	4.14E-05	1.17E-06
RF	RF137.01-S	0.42	7.33E-02	--	--	--	6.57E-05	9.95E-06	6.62E-01	1.41E-01	1.21E-21	2.04E-05	--	--	6.90E-09	1.12E-07	1.18E-13	1.91E-07	1.22E-05	6.83E-07	4.56E-06	3.18E-12
RF	RF139.01-S	11.65	7.15E+01	--	--	--	6.38E-02	4.97E-04	3.25E+01	6.95E+00	6.29E-20	1.01E-03	--	--	6.67E-06	2.82E-05	5.80E-12	1.85E-04	3.07E-03	2.32E-04	2.24E-04	1.30E-02
RF	RF140.01-S	172.16	1.87E+01	1.23E-05	--	--	1.63E-02	4.06E-03	2.40E+02	5.39E+01	4.83E-19	8.11E-03	--	--	1.66E-06	4.70E-05	4.50E-11	4.66E-05	5.09E-03	2.52E-04	1.74E-03	3.63E-08
RF	RF141.01-S	45.55	6.19E+01	--	--	--	5.27E-02	2.15E-02	1.77E+03	3.82E+02	1.52E-18	2.80E-02	--	--	5.26E-06	2.69E-03	3.19E-10	1.49E-04	2.92E-01	1.04E-02	1.23E-02	7.58E-05
RF	RF141.02-S	175.97	4.17E+02	--	--	--	5.98E-01	8.41E-02	7.21E+03	1.59E+03	5.56E-18	1.52E-01	--	--	8.63E-05	3.64E-03	1.33E-09	2.09E-03	3.94E-01	1.68E-02	5.13E-02	8.33E-05
RL	RL105-01	161.63	1.23E+01	1.17E-01	2.08E-17	6.00E-09	6.71E-02	2.74E-03	1.97E+01	1.05E+01	4.07E-19	4.17E-03	--	2.61E-09	1.29E-05	1.11E-04	1.12E-10	2.83E-04	1.21E-02	4.75E-04	2.37E-03	1.13E-02
RL	RL105-03	67.18	6.53E+00	--	--	4.80E-09	1.04E-02	7.87E-04	1.24E+01	6.31E+00	1.17E-19	3.37E-03	--	4.31E-10	1.56E-06	2.28E-04	5.24E-12	3.74E-05	2.48E-02	8.58E-04	2.03E-04	1.80E-02
RL	RL200-01	151.97	2.84E+01	--	--	6.57E-12	2.41E-02	5.26E-03	6.49E+01	3.38E+01	4.91E-19	1.52E-03	2.64E-10	--	2.38E-06	5.79E-05	2.81E-11	6.79E-05	6.28E-03	6.67E-05	1.09E-03	2.35E-10
RL	RL200-02	55.95	3.42E+00	--	--	2.14E-10	2.91E-03	5.34E-05	2.68E+00	9.99E-01	1.10E-21	1.96E-04	--	3.18E-11	4.15E-06	2.93E-06	2.24E-06	5.02E-05	2.30E-04	8.23E-06	4.02E-05	1.54E-04
RL	RL201-01	11.65	5.42E+00	--	--	9.91E-11	4.72E-03	--	1.79E+00	4.09E-01	--	--	--	1.25E-09	4.82E-07	1.01E-07	3.49E-13	1.35E-05	2.16E-05	1.87E-06	1.33E-05	7.32E-03
RL	RL202S-01	1.04	9.91E-03	--	--	--	8.80E-06	1.12E-06	7.40E-02	1.64E-02	4.77E-23	8.42E-07	--	--	9.18E-10	1.31E-08	1.39E-14	2.55E-08	1.41E-06	7.66E-08	5.33E-07	1.32E-13
RL	RL209E-01	82.44	1.06E+02	--	--	3.19E-17	9.67E-02	2.55E-02	6.72E+02	2.26E+02	--	3.69E-02	--	1.40E-17	1.04E-05	4.59E-04	1.95E-10	2.85E-04	4.89E-02	1.21E-03	7.42E-03	1.31E-03
RL	RL216Z-02	310.71	5.92E+02	--	--	--	5.04E-01	1.44E-01	3.18E+03	1.03E+03	1.03E-17	5.53E-02	--	--	5.01E-05	1.62E-03	8.60E-10	1.43E-03	1.75E-01	3.28E-03	3.33E-02	8.60E-09
RL	RL221T-01	6.66	3.83E-04	--	--	--	3.45E-07	1.29E-07	2.04E-03	1.06E-03	--	4.78E-08	--	--	3.66E-11	1.88E-09	9.43E-16	1.01E-09	1.98E-07	2.16E-09	3.54E-08	7.65E-15
RL	RL221U-01	2.10	9.78E-05	--	--	5.75E-12	8.82E-08	1.32E-07	5.79E-04	5.08E-05	--	--	--	1.11E-12	4.42E-10	4.12E-06	2.64E-12	4.82E-09	4.34E-04	1.45E-05	5.05E-05	3.18E-04
RL	RL222S-01	133.04	4.60E+00	7.64E-05	--	5.69E-13	6.40E-03	3.53E-04	4.62E+00	2.24E+00	3.10E-20	1.01E-04	--	1.32E-13	6.51E-03	4.21E-06	5.50E-07	7.07E-02	4.80E-04	5.27E-06	7.19E-05	1.49E-02
RL	RL231Z-01	1535.91	6.88E+01	5.12E-03	--	2.56E-12	8.54E-02	2.07E-02	6.29E+02	1.56E+02	--	2.12E-02	--	1.13E-12	1.16E-05	1.16E-03	1.33E-10	2.87E-04	1.24E-01	3.23E-03	5.07E-03	1.61E-02
RL	RL231Z-03	1.46	9.14E-05	--	--	--	8.16E-08	1.66E-08	2.53E-04	1.32E-04	--	5.92E-09	--	--	8.57E-12	2.32E-10	1.15E-16	2.38E-10	2.45E-08	2.67E-10	4.35E-09	9.42E-16
RL	RL233S-01	67.69	7.88E+00	--	--	1.58E-13	2.16E-02	2.11E-03	5.17E+01	1.55E+01	5.50E-20	5.12E-03	--	7.02E-14	3.79E-06	2.62E-05	1.29E-11	8.57E-05	2.84E-03	6.26E-05	5.00E-04	1.40E-04
RL	RL233S-03	4.78	9.01E-02	--	--	3.41E-16	4.04E-04	3.58E-05	4.00E-01	1.56E-01	2.89E-22	1.42E-04	--	1.52E-16	7.58E-08	3.91E-07	1.29E-13	1.68E-06	4.25E-05	4.10E-07	5.01E-06	2.20E-11
RL	RL2718-01	0.62	1.71E-01	--	--	--	1.50E-04	3.33E-05	5.18E-01	2.67E-01	--	1.09E-05	--	--	1.53E-08	4.22E-07	2.29E-13	4.30E-07	4.52E-05	5.41E-07	8.73E-06	1.72E-12
RL	RL300-01	194.73	1.01E+02	5.57E-03	--	1.24E-14	9.33E-02	3.23E-02	5.48E+02	2.32E+02	1.34E-18	4.91E-02	--	5.51E-15	1.01E-05	1.46E-03	3.96E-04	2.76E-04	1.58E-01	6.68E-03	7.46E-03	1.10E-01
RL	RL300-03	2.08	1.85E+00	--	--	--	1.60E-03	5.42E-04	9.45E+00	4.60E+00	2.44E-20	9.38E-04	--	--	1.62E-07	6.99E-06	3.81E-12	4.57E-06	7.60E-04	1.37E-05	1.48E-04	5.94E-05
RL	RL308-01	604.29	4.95E+03	1.65E-03	--	1.01E-11	4.19E+00	1.91E+00	9.69E+03	5.82E+03	3.98E-07	6.14E+00	--	4.49E-12	7.67E-03	2.22E-02	5.87E-04	9.08E-02	2.41E+00	2.46E-02	1.87E-01	2.14E-01
RL	RL325-01	1373.40	6.04E+02	5.95E-01	1.15E-16	7.75E-11	7.92E-01	3.64E-01	2.27E+03	8.67E+02	9.33E-06	2.80E-01	--	3.81E-11	5.12E-03	7.86E-03	3.19E-03	5.72E-02	8.55E-01	1.68E-02	2.78E-02	1.51E-01
RL	RL325-03	4.37	2.44E+00	--	--	4.88E-14	4.22E-03	2.49E-04	7.98E+00	2.22E+00	1.65E-20	2.45E-04	--	2.17E-14	6.54E-07	2.05E-05	1.84E-12	1.54E-05	2.23E-03	7.26E-05	7.13E-05	9.32E-04
RL	RLARG-01	5.62	4.06E+00	--	--	--	3.58E-03	7.65E-04	1.11E+01	5.79E+00	--	2.60E-04	--	--	1.01E-01	1.01E-05	6.60E-04	1.08E+00	1.08E-03	1.17E-05	1.90E-04	4.12E-11
RL	RLBART-01	0.62	8.33E-07	--	--	--	7.41E-10	--	--	--	--	--	--	--	7.75E-14	--	--	2.15E-12	--	--	--	--
RL	RLBAT-01	44.76	2.97E+00	3.13E-06	--	1.20E-16	3.69E-03	2.91E-02	8.11E+00	4.23E+00	--	2.02E-04	--	5.40E-17	5.03E-07	4.13E-04	4.75E-06	1.25E-05	4.40E-02	1.27E-04	1.39E-04	3.91E-04
RL	RLBET-01	0.42	1.40E-03	--	--	4.17E-15	1.24E-06	6.64E-07	9.77E-03	5.09E-03	--	2.27E-07	--	--	1.29E-10	8.89E-09	4.42E-15	3.58E-09	9.45E-07	7.99E-06	1.67E-07	3.59E-14
RL	RLBW-01	405.26	1.74E+02	4.37E-05	--	1.00E-11	1.52E-01	5.00E-02	8.93E+02	3.93E+02	2.30E-18	7.80E-02	--	4.46E-12	6.82E-03	7.27E-04	3.26E-10	7.45E-02	7.91E-02	1.44E-03	1.26E-02	1.18E-02
RL	RLBW-03	0.83	6.92E-01	--	--	3.72E-17	6.05E-04	2.20E-04	2.90E+00	1.45E+00	8.83E-21	3.25E-04	--	1.69E-17	6.20E-08	3.21E-06	1.20E-12	1.74E-06	3.49E-04	5.96E-06	4.67E-05	4.47E-05
RL	RLCBWD.001-S	71.70	2.46E+01	--	--	1.63E-14	2.15E-02	7.20E-03	1.24E+02	5.48E+01	3.15E-19	1.06E-02	--	7.25E-15	1.61E-03	1.05E-04	4.55E-11	1.75E-02	1.14E-02	2.08E-04	1.76E-03	1.49E-03
RL	RLCFF-01	10.82	4.19E+00	--	--	3.97E-17	3.55E-03	1.03E-03	1.99E+01	9.30E+00	5.38E-20	1.68E-03	--	1.77E-17	3.51E-07	1.24E-05	4.48E-08	1.00E-05	1.35E-03	2.50E-05	2.99E-04	1.24E-04
RL	RLCFF-03	4.99	1.38E+00	--	--	--	1.22E-03	2.93E-04	6.99E+00	3.16E+00	--	4.47E-04	--	--	1.25E-07	4.30E-06	2.73E-12	3.51E-06	4.59E-04	9.61E-06	1.04E-04	4.90E-05
RL	RLCFFD.001-S	273.70	1.22E+02	--	--	9.49E-16	1.04E-01	2.95E-02	5.81E+02	2.72E+02	1.44E-18	4.64E-02	--	4.21E-16	1.03E-05	3.65E-04	1.31E-06	2.94E-04	3.96E-02	7.32E-04	8.76E-03	2.99E-03
RL	RLCH2-01	0.21	1.86E-03	--	--	--	1.59E-06	--	--	--	--	--	--	--	1.60E-10	--	--	4.53E-09	--	--	--	--
RL	RLESG-01	49.89	9.37E+00	--	--	5.91E-12	8.33E-03	1.74E-03	3.51E+01	1.48E+01	7.49E-20	3.07E-03	--	2.26E-12	8.69E-07	5.49E-04	1.39E-05	2.42E-05	5.94E-02	1.50E-03	4.77E-04	1.43E-03

Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RLEXX-01	43.47	1.22E+03	2.98E-05	--	2.22E-16	1.08E+00	3.05E-01	1.68E+03	1.38E+03	--	1.60E+00	--	9.92E-17	1.13E-04	4.15E-03	1.20E-09	3.14E-03	4.41E-01	1.77E-03	4.54E-02	1.59E-05
RL	RLGEV-01	379.34	4.21E+01	--	--	1.48E-15	3.80E-02	1.07E-02	2.16E+02	8.58E+01	--	1.52E-02	--	6.49E-16	4.03E-06	1.01E-03	7.47E-11	1.11E-04	1.08E-01	2.54E-03	2.83E-03	5.29E-02
RL	RLHAN-01	154.73	3.50E+01	3.30E-04	--	1.55E-12	3.16E-02	7.96E-03	9.96E+01	4.93E+01	1.04E-06	2.41E-03	--	7.05E-13	1.35E-03	1.17E-04	1.69E-04	1.47E-02	1.27E-02	1.97E-04	1.59E-03	1.24E-03
RL	RLHMOX.001-S	193.86	2.13E+03	3.90E-04	--	3.14E-14	2.22E+00	5.08E-01	7.53E+03	3.53E+03	2.11E-17	1.96E+00	--	1.38E-14	2.65E-04	1.27E-02	2.95E-09	6.93E-03	1.37E+00	5.62E-02	1.14E-01	5.96E-01
RL	RLIAEA-01	0.21	1.68E-01	--	--	2.16E-15	1.55E-04	1.35E-04	2.19E-01	2.61E-01	--	4.28E-04	--	--	1.68E-08	1.78E-06	2.26E-13	4.59E-07	1.89E-04	2.29E-07	8.57E-06	6.76E-11
RL	RLM233SD.001-S	17.28	1.25E+00	--	--	1.30E-14	5.14E-03	4.06E-04	1.15E+01	2.98E+00	1.04E-20	7.93E-04	--	5.76E-15	9.56E-07	4.71E-06	2.48E-12	2.12E-05	5.12E-04	1.27E-05	9.60E-05	1.34E-05
RL	RLM308D.001-S	67.07	4.48E+02	9.81E-04	--	8.41E-13	3.99E-01	1.70E-01	9.39E+02	5.49E+02	4.03E-18	5.79E-01	--	3.73E-13	9.53E-04	2.36E-03	1.56E-04	1.10E-02	2.56E-01	2.72E-03	1.77E-02	2.50E-02
RL	RLM325D.001-S	2.08	7.89E-01	1.36E-04	--	3.27E-14	7.01E-04	1.81E-04	3.11E+00	1.07E+00	8.31E-21	2.80E-04	--	1.47E-14	7.31E-08	1.26E-05	8.93E-13	2.03E-06	1.37E-03	5.08E-05	3.45E-05	4.54E-05
RL	RLMHASH.001-S	62.19	1.68E+02	--	--	1.85E-16	1.44E-01	2.33E-02	2.37E+03	5.43E+02	1.20E-18	8.16E-02	--	4.29E-17	1.74E-04	2.68E-04	4.55E-10	2.13E-03	2.90E-02	2.45E-03	1.75E-02	1.27E-08
RL	RLMLB-01	0.42	1.84E-02	--	1.35E-16	--	1.63E-05	3.40E-06	5.05E-02	1.25E-01	--	1.18E-06	--	--	1.70E-09	4.62E-08	1.09E-13	4.73E-08	4.91E-06	5.32E-08	4.14E-06	1.88E-13
RL	RLMLL-01	1.04	4.17E-02	--	--	--	3.77E-05	7.29E-06	1.16E-01	6.06E-02	--	2.73E-06	--	--	4.01E-09	1.07E-07	5.38E-14	1.10E-07	1.13E-05	1.24E-07	2.02E-06	4.37E-13
RL	RLMPDT.001-S	1678.30	8.75E+02	1.70E-03	--	1.25E-12	8.75E-01	3.02E-01	6.56E+03	1.98E+03	6.69E-07	4.28E-01	--	5.54E-13	3.19E-02	3.67E-03	3.38E-06	3.48E-01	3.98E-01	7.77E-03	6.37E-02	7.55E-03
RL	RLMPURX.001-S	117.89	1.61E+02	1.05E-04	--	7.00E-13	1.38E-01	5.85E-02	9.54E+02	3.48E+02	4.07E-18	9.88E-02	--	2.97E-13	3.72E-03	6.60E-04	2.91E-10	4.07E-02	7.16E-02	9.99E-04	1.12E-02	2.62E-04
RL	RLMSSC.001-S	64.69	2.00E+02	--	--	--	1.70E-01	6.40E-02	2.71E+03	5.56E+02	3.81E-18	7.23E-02	--	--	1.70E-05	7.31E-04	4.66E-10	4.83E-04	7.91E-02	2.80E-03	1.80E-02	3.93E-04
RL	RLMWARD.001-S	20.59	5.70E+00	--	--	2.10E-16	4.98E-03	2.44E-03	1.00E+01	6.39E+00	6.51E-20	5.51E-03	--	9.35E-17	5.10E-07	5.79E-05	5.31E-12	1.43E-05	6.29E-03	1.24E-04	2.06E-04	1.02E-03
RL	RLNPDT.002-S	438.30	1.64E+02	3.17E-03	--	7.12E-14	1.42E-01	6.01E-02	1.95E+03	4.31E+02	2.49E-18	8.37E-02	--	2.40E-14	1.44E-05	7.32E-04	6.25E-08	4.06E-04	7.91E-02	2.18E-03	1.39E-02	4.35E-04
RL	RLNPURX.001-S	38.82	7.99E+01	3.76E-05	--	9.77E-14	6.82E-02	3.00E-02	4.00E+02	1.44E+02	2.25E-18	5.01E-02	--	3.06E-14	6.81E-06	3.42E-04	1.20E-10	1.93E-04	3.70E-02	4.13E-04	4.64E-03	7.80E-09
RL	RLPFP-01	12412.85	8.79E+03	6.82E-03	--	9.78E-12	8.01E+00	3.07E+00	6.96E+04	2.09E+04	1.21E-16	4.66E+00	--	4.35E-12	2.67E-01	6.49E-02	4.91E-04	2.92E+00	7.05E+00	1.69E-01	6.71E-01	1.79E+00
RL	RLPFP-03	22.26	4.48E+01	--	--	3.92E-15	3.90E-02	1.41E-02	3.20E+02	9.54E+01	4.77E-19	2.17E-02	--	1.74E-15	4.43E-04	3.76E-04	7.96E-11	4.88E-03	4.08E-02	4.63E-04	3.08E-03	1.11E-03
RL	RLPFP-04	3.74	5.53E-02	--	--	--	4.69E-05	1.86E-05	8.31E-01	1.91E-01	8.79E-22	1.80E-05	--	--	4.64E-09	2.04E-07	1.59E-13	1.32E-07	2.22E-05	8.54E-07	6.15E-06	2.80E-12
RL	RLPRC-01	2.10	3.28E-02	--	--	--	2.89E-05	9.69E-06	3.35E-01	7.87E-02	--	5.87E-06	--	--	2.98E-09	1.37E-07	1.04E-04	8.32E-08	1.46E-05	4.04E-07	2.58E-06	1.15E-06
RL	RLPURX-01	598.06	1.01E+03	3.65E-04	--	4.50E-12	8.55E-01	3.73E-01	6.07E+03	2.16E+03	2.87E-17	5.78E-01	--	1.94E-12	1.35E-01	4.10E-03	1.79E-09	1.47E+00	4.46E-01	6.35E-03	6.94E-02	1.87E-03
RL	RLRFETS.001-S	63.86	1.40E+02	--	--	9.64E-16	1.20E-01	2.42E-02	3.70E+03	5.68E+02	1.78E-18	6.52E-02	--	4.81E-17	7.03E-04	3.24E-04	4.77E-10	7.82E-03	3.51E-02	4.00E-03	1.84E-02	1.02E-08
RL	RLSWO-01	311.18	6.47E+01	2.50E-05	--	6.76E-13	5.71E-02	1.47E-02	4.57E+02	1.38E+02	6.75E-19	2.02E-02	--	3.00E-13	2.43E-03	2.04E-04	1.14E-10	2.66E-02	2.21E-02	6.37E-04	4.43E-03	9.17E-04
RL	RLSWOCD.001-S	5.82	1.10E+00	--	--	2.38E-14	9.44E-04	3.19E-04	1.05E+01	2.96E+00	1.27E-20	3.33E-04	--	1.06E-14	9.45E-08	3.87E-06	2.46E-12	2.68E-06	4.20E-04	1.22E-05	9.52E-05	1.52E-08
RL	RLVIPAC.001-S	154.98	7.93E+01	1.54E-05	--	9.84E-14	7.02E-02	4.68E-02	9.49E+02	2.68E+02	5.34E-19	8.80E-02	--	4.38E-14	1.43E-03	5.31E-03	2.23E-10	1.56E-02	5.77E-01	1.46E-02	8.63E-03	2.62E-01
RL	RLWAR-01	716.89	1.35E+02	--	--	3.62E-15	1.18E-01	5.94E-02	2.40E+02	1.52E+02	1.59E-18	1.34E-01	--	1.61E-15	1.20E-05	1.36E-03	1.26E-10	3.37E-04	1.48E-01	2.92E-03	4.90E-03	1.41E-02
RL	RLWAR-03	2.50	1.24E+00	--	--	--	1.09E-03	5.08E-04	1.94E+00	1.13E+00	1.22E-20	9.95E-04	--	--	1.13E-07	5.55E-06	9.37E-13	3.16E-06	6.03E-04	1.99E-06	3.63E-05	1.54E-10
SA	SA-T001	6.37	2.05E-01	--	4.10E-17	--	1.96E-04	6.78E-05	3.46E+00	1.90E-02	--	--	--	--	2.20E-08	8.29E-07	4.65E-03	5.92E-07	8.90E-05	3.60E-06	6.19E-07	--
SA	SA-W134	14.14	1.90E+00	1.39E-06	1.26E-20	2.91E-09	1.61E-02	1.20E-04	8.11E-01	1.04E-01	5.99E-23	1.06E-09	--	1.41E-09	1.74E-04	3.60E-05	8.81E-14	1.91E-03	3.88E-03	2.26E-04	3.38E-06	4.09E-04
SA	SA-W134M	2.08	4.00E-02	7.23E-10	1.75E-21	7.72E-12	4.32E-05	2.05E-06	5.87E-02	1.96E-02	3.29E-23	5.54E-13	--	3.75E-12	4.13E-04	4.22E-05	1.66E-14	4.45E-03	4.54E-03	4.73E-05	6.35E-07	6.24E-05
SA	SA-W136	25.62	1.93E-01	--	--	--	1.63E-04	2.60E-04	1.42E+01	3.01E+00	9.62E-21	3.89E-04	--	--	1.62E-08	2.86E-06	2.50E-12	4.61E-07	3.10E-04	1.46E-05	9.68E-05	6.03E-11
SR	SR2001.001.00-S	61.15	3.32E-01	--	--	2.54E-16	2.84E-04	3.24E-04	9.37E+00	1.72E+00	9.65E-21	1.93E-04	--	--	2.84E-08	3.73E-06	1.44E-12	8.05E-07	4.03E-04	9.68E-06	5.57E-05	3.01E-11
SR	SR2002.002.00-S	69.89	1.09E+00	--	--	8.68E-16	9.32E-04	1.41E-04	1.10E+01	2.35E+00	2.30E-20	3.57E-04	--	3.59E-17	8.14E-03	1.61E-06	1.97E-12	8.82E-02	1.74E-04	1.14E-05	7.60E-05	5.56E-11
SR	SR-BCLCH-MT01	11.34	7.85E+00	--	--	--	6.69E-03	1.13E+00	6.04E+01	1.46E+01	2.28E-19	2.65E-03	--	--	6.67E-07	1.28E-02	1.22E-11	1.89E-05	1.38E+00	6.23E-05	4.72E-04	4.12E-10
SR	SR-SWMF-HET-A	731.23	3.64E+01	1.10E-01	1.36E-16	1.17E-09	7.20E-02	2.72E-01	3.74E+02	7.62E+01	1.01E-18	1.17E+00	--	3.28E-09	8.30E-05	1.14E-02	7.72E-11	1.05E-03	1.24E+00	5.43E-04	2.72E-03	1.37E+00
SR	SR-SWMF-SOIL	2.91	7.94E-01	4.45E+00	1.48E-15	--	6.84E-04	2.73E-03	1.49E-01	2.73E+00	4.49E-02	1.69E-03	1.40E-11	--	7.13E-08	2.73E-05	2.39E-12	1.98E-06	2.90E-03	8.44E-08	9.02E-05	2.59E-10
SR	SR-T001-221H-HEPA	298.79	8.56E-01	--	--	7.55E-10	1.18E-02	1.34E-01	1.13E+01	3.35E+00	--	7.59E-04	--	2.09E-13	4.03E-03	1.78E-03	4.88E-11	4.32E-02	1.90E-01	8.16E-05	1.00E-03	4.86E-05
SR	SR-W026-221F-HEPA	1588.04	8.36E+01	--	--	1.79E-14	7.31E-02	1.81E-01	1.16E+03	2.50E+02	--	1.01E-01	--	3.92E-20	7.49E-06	2.30E-03	2.14E-10	2.10E-04	2.46E-01	1.21E-03	8.16E-03	4.12E-08
SR	SR-W026-221F-HET	867.37	4.64E+01	6.22E-04	1.01E-18	4.13E-11	4.09E-02	4.78E-02	3.64E+02	7.73E+01	2.59E-04	1.96E-01	--	5.69E-12	7.73E-03	7.52E-04	7.19E-11	8.39E-02	8.15E-02	1.04E-03	2.64E-03	7.83E-04
SR	SR-W026-221F-HET-S	574.42	8.57E+01	5.09E-05	6.76E-19	1.51E-14	7.78E-02	9.63E-02	1.14E+03	2.95E+02	7.42E-06	3.90E-02	--	7.85E-15	8.28E-06	2.43E-03	3.95E-05	2.28E-04	2.64E-01	2.91E-03	9.52E-03	1.29E-02
SR	SR-W026-221F-HOM	8.45	1.14E-01	--	--	4.75E-16	9.96E-05	2.05E-04	2.51E+00	4.48E-01	--	6.09E-05	--	8.81E-22	1.02E-08	2.63E-06	3.84E-13	2.86E-07	2.81E-04	2.62E-06	1.46E-05	1.20E-09

**Table B 7. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
 Continued**

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W026-772F-HET	501.86	1.91E+01	--	2.38E-19	1.39E-10	1.95E-01	2.60E+00	1.07E+02	2.53E+01	4.46E-19	2.93E-02	--	4.01E-11	2.38E-04	3.80E-02	7.72E-11	3.00E-03	4.12E+00	1.24E-03	1.92E-03	3.67E-03
SR	SR-W026-772F-HET-S	1419.83	4.62E+01	7.25E-04	8.13E-19	3.11E-12	1.73E-01	1.53E+00	3.20E+02	8.15E+01	2.82E-05	1.46E-02	--	1.34E-12	6.83E-03	2.49E-02	4.55E-04	7.44E-02	2.70E+00	1.63E-03	2.63E-03	1.04E-03
SR	SR-W027-221F-HET	636.58	2.19E+02	--	--	--	1.86E-01	3.13E-01	1.77E+03	3.84E+02	5.82E-18	1.37E-01	--	--	1.86E-05	3.54E-03	3.21E-10	5.28E-04	3.83E-01	1.82E-03	1.24E-02	4.74E-06
SR	SR-W027-221F-HETA-S	2110.05	2.05E+02	7.82E-05	--	1.14E-10	1.83E-01	1.87E-01	1.97E+03	5.69E+02	1.18E-04	1.04E-01	--	6.91E-15	1.39E-02	4.41E-03	1.07E-04	1.51E-01	4.77E-01	2.16E-03	1.84E-02	2.20E-03
SR	SR-W027-221F-HOM	3.33	1.96E+00	--	--	--	1.75E-03	2.43E-03	1.64E+01	3.55E+00	--	6.83E-04	--	--	1.83E-07	3.36E-05	3.10E-12	5.09E-06	3.56E-03	1.73E-05	1.17E-04	1.09E-10
SR	SR-W027-221H-HEPA	162.54	9.24E-01	--	--	9.10E-11	1.88E-02	1.59E+00	5.52E+00	2.38E+00	4.52E-20	2.49E-03	--	1.49E-11	3.93E-05	1.75E-02	2.21E-11	4.69E-04	1.90E+00	3.66E-05	4.73E-04	1.34E-06
SR	SR-W027-221H-HET	2640.00	1.20E+02	6.95E-04	--	2.45E-09	1.42E+01	1.38E+02	1.73E+03	5.42E+02	4.01E-18	2.51E-01	--	5.23E-10	4.29E-03	1.56E+00	5.34E-09	7.77E-02	1.69E+02	5.44E-02	1.14E-01	6.53E-03
SR	SR-W027-221H-HET-S	2885.74	7.28E+01	1.91E-02	7.31E-20	6.89E-13	6.34E-01	1.86E+01	1.60E+02	4.94E+01	6.01E-05	3.23E-02	--	3.36E-13	6.25E-02	3.11E-01	4.93E-03	6.79E-01	3.37E+01	3.01E-03	1.59E-03	3.56E-03
SR	SR-W027-221H-HOM	1.04	1.35E-02	--	--	4.69E-13	1.25E-05	3.99E-04	1.96E-01	9.38E-02	--	3.26E-05	--	--	1.37E-09	3.03E-05	1.33E-13	3.73E-08	3.21E-03	3.17E-05	4.07E-06	3.01E-06
SR	SR-W027-235F-HET	569.40	3.97E+01	--	--	--	1.69E+00	2.75E+01	9.05E+01	4.13E+01	1.90E-18	1.23E-01	--	--	3.51E-04	3.06E-01	3.44E-11	7.53E-03	3.32E+01	1.27E-04	1.33E-03	6.02E-04
SR	SR-W027-235F-HET-S	394.57	1.19E+01	4.77E-05	--	1.49E-14	5.80E-01	2.55E+00	2.23E+01	1.11E+01	1.23E-05	6.77E-03	--	7.31E-15	1.20E-04	4.26E-02	4.29E-04	2.57E-03	4.62E+00	1.21E-03	3.57E-04	2.53E-04
SR	SR-W027-235F-HOMO	3.33	1.94E-01	--	--	--	1.70E-04	2.30E-01	5.88E-01	2.95E-01	--	3.88E-04	--	--	1.74E-08	2.89E-03	2.53E-13	4.87E-07	3.09E-01	6.14E-07	9.64E-06	6.11E-11
SR	SR-W027-773A-HET	4449.74	7.19E+01	1.78E+01	1.60E-14	2.82E-08	4.15E-01	4.46E+00	7.67E+02	1.77E+02	1.80E-01	7.86E-01	2.69E-09	9.94E-09	3.91E-03	4.98E-02	4.46E-10	4.34E-02	5.41E+00	1.85E-03	1.16E-02	2.00E-03
SR	SR-W027-773A-HET-S	505.72	1.23E+01	3.63E-01	1.92E-16	2.74E-12	7.33E-02	8.90E-01	1.02E+02	2.27E+01	1.68E-03	2.85E-03	--	1.34E-12	2.98E-04	1.47E-02	2.03E-04	3.39E-03	1.60E+00	3.97E-04	7.31E-04	4.06E-03
SR	SR-W027-999-AGNS-HET	45.87	4.20E-01	--	--	6.14E-12	2.94E-03	4.90E-04	3.06E+00	8.50E-01	--	1.16E-04	--	2.09E-12	6.02E-07	8.73E-06	2.70E-12	1.29E-05	9.25E-04	1.14E-05	6.58E-05	1.20E-07
SR	SR-W027-999-AGNS-HOM	3.33	3.94E-01	--	--	--	2.06E-03	4.99E-04	3.37E+00	7.29E-01	--	1.40E-04	--	--	4.12E-07	9.00E-06	6.38E-13	8.86E-06	9.54E-04	1.46E-05	2.41E-05	2.37E-04
SR	SR-W027-999-LASL-HET	124.80	1.67E+01	--	--	--	1.52E-02	7.83E+00	2.34E+01	1.34E+01	--	1.72E-02	--	--	1.62E-06	1.16E-01	1.19E-11	4.45E-05	1.22E+01	2.49E-05	4.47E-04	2.76E-09
SR	SR-W027-999-LASL-HOM	18.72	5.38E+00	--	--	--	4.87E-03	3.55E+00	1.06E+01	5.63E+00	--	7.32E-03	--	--	5.19E-07	5.27E-02	5.00E-12	1.43E-05	5.54E+00	1.12E-05	1.87E-04	1.17E-09
SR	SR-W027-999-MD-HET	8974.57	1.68E+02	--	2.49E-20	5.97E-15	1.54E-01	2.28E+02	7.25E+02	3.58E+02	--	4.53E-01	2.63E-13	--	7.13E-03	3.39E+00	3.18E-10	7.54E-02	3.57E+02	1.17E-03	1.19E-02	8.76E-03
SR	SR-W027-999-MD-HOM-A	2.70	2.13E-02	--	--	--	1.09E-04	2.98E-02	6.76E-02	4.99E-03	--	--	--	--	2.18E-08	4.41E-04	4.38E-15	4.69E-07	4.66E-02	1.15E-06	1.65E-07	--
SR	SR-W027-999-MD-HOM-B	22.64	8.54E-04	--	--	--	1.22E-06	6.26E-05	--	--	--	--	--	--	1.81E-10	8.83E-07	--	4.33E-09	9.33E-05	--	--	--
SR	SR-W027-999-MD-HOM-C	3.01	3.87E-04	--	--	--	3.46E-07	1.92E-04	2.31E-04	--	--	1.02E-07	--	--	3.65E-11	2.57E-06	--	1.01E-09	2.71E-04	2.44E-10	--	1.30E-14
SR	SR-W027-999-MD-SOIL	482.01	1.32E-02	--	--	2.03E-15	2.18E-04	7.98E-03	8.74E-01	--	--	1.36E-07	--	--	4.67E-08	1.12E-04	--	9.82E-07	1.19E-02	9.23E-07	--	1.74E-14
SR	SR-W027-FB-PRE86-C-S	2565.65	2.28E+02	1.42E-04	5.27E-18	3.16E-14	2.50E-01	9.21E-02	2.89E+03	6.35E+02	2.36E-04	1.89E-01	--	1.46E-14	7.97E-04	2.10E-03	9.85E-05	9.11E-03	2.27E-01	3.14E-03	2.05E-02	9.44E-04
SR	SR-W027-HBL-Box-A	7856.75	1.83E+01	--	--	2.60E-11	9.13E-01	1.83E+01	4.73E+01	2.37E+01	--	3.12E-02	--	8.93E-12	1.94E-04	2.32E-01	2.04E-11	4.12E-03	2.49E+01	4.94E-05	7.76E-04	4.92E-09
SR	SR-W027-SRSG-HET	989.45	1.37E+02	3.24E-04	8.98E-20	1.70E-11	2.10E-01	1.11E+00	2.12E+02	4.61E+01	3.24E-05	1.14E-02	--	2.37E-10	6.30E-05	1.60E-02	2.02E-10	1.09E-03	1.69E+00	4.83E-04	4.62E-03	8.73E-05
SR	SR-W027-SRSG-HOM	66.94	6.12E+00	5.75E-03	4.42E-19	1.66E-13	3.20E-01	5.81E-01	1.30E+02	1.64E+01	2.37E-03	1.34E+00	--	8.32E-15	1.23E-01	3.61E-02	4.82E-10	1.30E+00	3.82E+00	2.51E-03	9.51E-03	1.42E-01
Total		168485	9.76E+04	6.53E+01	6.22E-14	5.06E-08	1.15E+02	5.45E+02	4.95E+05	1.29E+05	3.82E+00	7.45E+01	3.49E-04	2.31E-08	2.20E+01	8.29E+00	2.75E-01	1.56E+02	8.29E+02	4.92E+00	5.40E+00	2.71E+01

Table B 8. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	2151.31	3.83E+01	5.18E-04	2.45E-17	3.70E-08	6.28E-02	4.80E-02	3.07E+02	6.19E+01	--	--	--	4.61E-09	3.22E-04	6.95E-04	5.47E-11	3.53E-03	7.33E-02	3.12E-03	2.06E-03	1.10E-03
AW	AW-T031.1322	114.51	5.19E+00	8.66E-04	7.46E-20	1.31E-06	7.51E-03	1.26E-02	3.52E+02	3.12E+01	2.26E-20	9.69E-04	--	8.46E-07	1.16E-06	1.81E-02	1.76E-09	2.72E-05	1.96E+00	7.61E-03	3.51E-02	1.02E-02
AW	AW-W026	0.89	2.38E-02	--	--	5.92E-12	2.07E-05	--	2.15E-02	--	--	--	--	1.03E-11	2.10E-09	4.25E-12	--	5.92E-08	9.11E-10	2.30E-06	--	3.09E-07
AW	AW-W028	79.83	--	--	--	8.23E-10	--	--	1.89E+00	9.16E-02	--	--	--	1.12E-09	--	7.41E-10	7.81E-14	--	1.59E-07	1.02E-04	2.99E-06	5.39E-05
AW	AW-W046	40.8	1.41E+00	--	--	1.66E-06	2.09E-03	2.18E-03	4.54E+00	2.66E+00	6.96E-21	6.91E-04	--	8.83E-07	3.06E-07	2.46E-05	2.21E-12	7.39E-06	2.74E-03	1.12E-02	8.57E-05	4.33E-02
AW	AW-W047	22.57	--	--	--	8.27E-08	--	--	9.04E-03	--	--	--	--	4.39E-08	--	--	--	--	--	9.32E-09	--	--
BT	BT-T001	2.67	7.85E-01	1.77E-02	3.62E-18	4.54E-07	2.76E-02	6.48E-02	3.66E-01	3.79E-01	6.10E-07	2.98E-03	--	2.20E-07	7.75E-01	1.22E-02	2.27E-03	8.19E+00	1.23E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	2.62E-01	5.90E-03	1.21E-18	1.51E-07	9.21E-03	2.16E-02	1.22E-01	1.26E-01	2.03E-07	9.95E-04	--	7.32E-08	2.58E-01	4.08E-03	7.56E-04	2.73E+00	4.08E-01	2.22E-03	2.52E-02	1.54E-05
IN	ID-ANLE-S5000-S	88.11	4.52E+00	--	--	1.47E-08	3.82E-03	2.47E-03	2.84E+01	1.39E+01	8.46E-20	8.78E-01	--	5.42E-09	6.98E-03	8.94E-04	1.15E-11	7.59E-02	9.72E-02	3.37E-03	4.46E-04	5.67E-04
IN	IN-AE-AGHC-01	95.23	1.07E+01	--	--	4.07E-08	9.08E-03	6.14E-03	7.17E+01	3.48E+01	2.06E-19	1.22E-02	--	1.47E-08	1.21E-02	2.26E-03	2.89E-11	1.31E-01	2.45E-01	8.52E-03	1.12E-03	1.42E-03
IN	IN-AW-161	1.78	--	--	--	1.80E-11	--	--	2.25E+00	4.40E-02	--	--	--	--	--	1.53E-12	3.79E-14	--	3.25E-10	3.70E-06	1.44E-06	1.10E-07
IN	IN-ID-BTO-030	1.78	1.04E-03	6.26E-04	--	2.32E-09	7.27E-04	1.75E-03	6.03E-03	5.59E-03	--	6.01E-05	--	1.11E-09	1.32E-02	2.26E-05	1.48E-05	1.42E-01	2.41E-03	7.98E-05	1.83E-07	9.48E-12
IN	IN-ID-INL-152	16.91	--	--	--	2.57E-08	2.35E-05	--	6.27E+00	2.24E+00	--	--	--	1.18E-08	6.14E-03	9.12E-09	4.06E-05	6.57E-02	1.95E-06	2.61E-03	7.34E-05	6.58E-04
IN	IN-INTEC-SFS-01	0.89	3.90E-01	--	--	1.56E-10	3.49E-04	5.07E-04	2.35E-01	2.51E-01	--	1.00E-03	--	5.53E-11	3.67E-08	7.14E-06	2.20E-13	1.02E-06	7.55E-04	8.85E-06	8.29E-06	1.60E-10
IN	IN-NRF-153	8.01	2.85E-03	--	--	--	2.55E-06	6.96E-05	3.15E-03	3.14E-03	--	1.16E-05	--	--	2.67E-10	9.73E-07	2.75E-15	7.41E-09	1.03E-04	4.74E-05	1.04E-07	1.85E-12
IN	IN-TRA-150	3.56	7.29E+00	--	--	--	6.37E-03	1.18E-02	--	--	--	--	--	--	6.53E-07	1.50E-04	--	1.83E-05	1.61E-02	--	--	--
IN	IN-TRA-157	4.45	3.01E-02	--	1.06E-19	1.05E-11	2.61E-05	4.33E-05	4.06E-03	4.91E-05	--	--	--	4.69E-11	1.93E-04	6.36E-06	4.18E-17	2.07E-03	6.83E-04	4.22E-09	1.60E-09	--
IN	IN-W208.243	0.89	3.86E+00	--	--	--	3.39E-03	3.91E-04	4.13E+01	8.60E+00	--	6.93E-04	--	--	3.49E-07	5.05E-06	7.41E-12	9.75E-06	5.39E-04	7.75E-05	2.82E-04	1.09E-10
IN	IN-W216.876	15.13	1.48E+02	--	--	--	1.30E-01	3.20E-04	3.38E+01	7.08E+00	--	5.68E-04	--	--	1.34E-05	4.13E-06	6.10E-12	3.75E-04	4.41E-04	3.53E-05	2.32E-04	8.96E-11
IN	IN-W216.877	43.61	2.13E+02	--	--	--	1.87E-01	4.61E-04	4.87E+01	1.02E+01	--	8.18E-04	--	--	1.93E-05	5.96E-06	8.77E-12	5.39E-04	6.36E-04	5.09E-05	3.34E-04	1.29E-10
IN	IN-W228.884	8.9	1.30E+00	--	--	--	1.14E-03	1.51E-05	1.58E+00	3.31E-01	--	2.65E-05	--	--	1.17E-07	1.93E-07	2.84E-13	3.27E-06	2.06E-05	1.65E-06	1.08E-05	4.17E-12
IN	IN-W228.885	0.89	2.16E-02	--	--	--	1.89E-05	2.52E-07	2.63E-02	5.51E-03	--	4.42E-07	--	--	1.94E-09	3.22E-09	4.74E-15	5.44E-08	3.44E-07	2.75E-08	1.80E-07	6.96E-14
IN	IN-W228.886	21.36	1.56E+00	--	--	--	1.36E-03	1.81E-05	1.90E+00	3.96E-01	--	3.18E-05	--	--	1.40E-07	2.31E-07	3.40E-13	3.93E-06	2.47E-05	1.98E-06	1.30E-05	5.01E-12
IN	IN-W243.276	3.56	3.99E-01	--	--	--	3.49E-04	7.03E-05	7.39E+00	1.55E+00	--	1.24E-04	--	--	3.59E-08	9.00E-07	1.33E-12	1.00E-06	9.61E-05	9.92E-06	5.06E-05	1.52E-07
IN	IN-W243.277	1.78	7.97E-01	--	--	--	6.98E-04	1.41E-04	1.47E+01	3.09E+00	--	2.47E-04	--	--	7.18E-08	1.80E-06	2.66E-12	2.01E-06	1.92E-04	1.98E-05	1.01E-04	3.03E-07
IN	IN-W252.282	17.8	5.89E+00	--	--	--	5.16E-03	1.19E-03	1.25E+02	2.61E+01	--	2.10E-03	--	--	5.30E-07	1.53E-05	2.25E-11	1.49E-05	1.63E-03	1.31E-04	8.55E-04	3.31E-10
IN	IN-W254.1045	1.78	3.02E-01	--	--	--	2.64E-04	7.13E-05	7.48E+00	1.57E+00	--	1.26E-04	--	--	2.72E-08	9.13E-07	1.35E-12	7.60E-07	9.75E-05	7.82E-06	5.13E-05	1.98E-11
IN	IN-W294.343	8.9	1.22E+00	--	--	--	1.07E-03	2.59E-04	2.72E+01	5.69E+00	--	4.57E-04	--	--	1.10E-07	3.31E-06	4.89E-12	3.07E-06	3.54E-04	4.64E-05	1.86E-04	7.20E-11
IN	IN-W296.330	12.46	4.14E-01	--	--	--	4.01E-04	8.39E-05	8.82E+00	1.84E+00	--	1.48E-04	--	--	4.55E-08	1.07E-06	1.58E-12	1.22E-06	1.15E-04	1.06E-05	6.02E-05	2.33E-11
IN	IN-W296.331	12.46	1.38E+00	--	--	--	1.34E-03	2.80E-04	2.94E+01	6.15E+00	--	4.94E-04	--	--	1.52E-07	3.58E-06	5.28E-12	4.07E-06	3.83E-04	3.53E-05	2.01E-04	7.79E-11
IN	IN-W298.318	8.01	5.58E+00	--	--	--	4.88E-03	8.92E-04	9.33E+01	1.96E+01	--	1.58E-03	--	--	5.02E-07	1.14E-05	1.68E-11	1.40E-05	1.22E-03	9.75E-05	6.41E-04	2.48E-10
KA	KA-T001	381.47	3.07E-02	1.93E-04	4.44E-20	1.40E-08	3.46E-03	3.32E-03	2.96E-02	6.85E-03	1.80E-06	2.90E-05	6.90E-12	6.51E-09	8.72E-07	2.22E-04	3.07E-10	1.70E-05	2.34E-02	2.90E-04	2.75E-03	1.27E-06
KA	KA-W016	39.02	3.14E-03	1.97E-05	4.54E-21	1.43E-09	3.54E-04	3.39E-04	3.03E-03	7.01E-04	1.84E-07	2.97E-06	7.06E-13	6.66E-10	8.92E-08	2.27E-05	3.14E-11	1.74E-06	2.40E-03	2.97E-05	2.82E-04	1.30E-07
LA	LA-TA-00-03	0.89	--	--	--	--	--	--	1.20E+01	--	--	--	--	--	--	--	--	--	--	1.28E-05	--	--
LA	LA-TA-03-27	97.01	5.86E-01	--	--	7.89E-08	5.23E-04	3.83E-04	2.26E+02	2.27E+00	--	1.52E-03	--	3.46E-08	5.50E-08	2.17E-05	2.41E-12	1.52E-06	2.30E-03	9.53E-03	8.30E-05	4.09E-05
OR	OR-REDC-RH-HET	530.28	2.86E-01	6.48E-02	1.05E-15	1.77E-10	2.52E-04	1.92E-04	4.21E-01	9.32E-01	3.75E-05	8.24E-03	2.03E-08	4.19E-10	2.61E-08	2.54E-06	8.07E-13	7.29E-07	2.71E-04	4.41E-07	3.06E-05	1.19E-09
OR	OR-TBD-RH-HET	266.45	4.52E+01	1.39E+00	4.38E-15	1.83E-07	6.31E-02	5.95E-02	2.85E+01	2.27E+01	4.80E-03	5.89E-02	5.00E-08	5.49E-08	3.15E+00	8.16E-04	1.95E-03	3.36E+01	8.69E-02	1.42E-03	8.63E-04	5.98E-04
OR	OR-W213-RH-HET	158.56	1.13E+00	1.52E-03	1.39E-19	2.83E-09	6.57E-03	3.06E-04	2.60E+00	2.99E-03	4.30E-21	1.47E-03	--	1.16E-11	4.08E+00	9.23E-03	6.36E-02	5.13E+00	2.92E-01	4.36E-03	4.63E-03	5.54E-02
RL	RL105-07	97.9	1.80E+00	1.06E-05	2.66E-18	9.99E-10	1.77E-03	4.85E-04	3.88E+00	1.82E+00	3.79E-20	2.57E-04	--	4.15E-10	2.05E-07	9.04E-05	1.54E-05	5.43E-06	9.82E-03	4.44E-04	1.81E-03	1.08E-02
RL	RL105-09	347.99	1.58E+01	--	--	8.33E-09	2.28E-02	2.14E-03	3.45E+01	1.75E+01	2.78E-19	9.38E-03	--	1.53E-09	3.30E-06	6.01E-04	4.87E-09	8.00E-05	6.51E-02	2.39E-03	9.58E-02	5.09E-02
RL	RL209E-08	0.89	5.67E-01	--	--	--	5.15E-04	1.41E-04	3.39E+00	1.09E+00	--	1.52E-04	--	--	5.51E-08	1.82E-06	9.43E-13	1.51E-06	1.94E-04	3.55E-06	3.59E-05	2.40E-11
RL	RL222S-08	3.56	1.74E-01	2.31E-02	--	1.59E-11	1.18E-02	1.99E-05	6.22E+00	1.94E-01	7.04E-21	5.72E-04	2.33E-06	1.22E-11	4.09E-02	2.24E-07	1.61E-13	4.45E-01	2.49E-05	2.97E-05	6.24E-06	3.93E-04

Table B 8. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 3033
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Cm-244	Cs-137	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Sr-90	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL325-08	224.28	9.34E+01	4.11E-01	7.29E-16	3.64E-08	3.94E-01	1.52E-01	6.49E+01	6.32E+01	1.73E-18	9.54E-02	--	1.31E-07	7.68E-05	1.75E-03	1.76E-07	1.66E-03	1.89E-01	1.22E-03	2.05E-03	3.53E-03
RL	RL325-09	0.89	4.69E-03	1.68E-05	7.51E-18	2.55E-12	3.96E-06	5.08E-07	2.77E-04	2.52E-03	2.10E-23	2.00E-08	--	3.15E-12	3.91E-10	5.54E-09	2.09E-15	1.12E-08	6.02E-07	3.84E-10	8.09E-08	5.00E-08
RL	RLBART-08	0.89	8.66E-02	--	--	--	7.70E-05	1.33E-10	3.28E-06	1.47E-06	--	4.71E-10	--	--	8.06E-09	1.83E-12	1.28E-18	2.24E-07	1.94E-10	3.45E-12	4.84E-11	7.49E-17
RL	RLBAT-08	6.23	1.16E+00	2.61E-02	2.27E-17	3.49E-09	9.87E-04	1.14E-03	4.66E-01	7.08E-01	2.21E-04	2.08E-03	--	1.12E-09	9.98E-08	1.62E-05	4.62E-12	2.81E-06	1.75E-03	1.94E-05	1.02E-04	3.67E-04
RL	RLBW-08	1.78	6.66E-01	--	--	--	5.94E-04	2.25E-04	1.42E+00	7.88E-01	3.88E-21	4.47E-04	--	--	6.21E-08	2.78E-06	6.53E-13	1.72E-06	3.02E-04	2.34E-06	2.53E-05	1.87E-05
RL	RLESG-08	29.37	1.11E+00	--	--	7.54E-11	9.46E-04	2.12E-04	3.09E+00	1.52E+00	1.75E-20	6.36E-05	--	6.25E-13	9.45E-08	2.42E-06	1.27E-12	2.68E-06	2.62E-04	3.18E-06	4.90E-05	9.90E-12
RL	RLGEV-08	7.12	4.11E+00	--	--	5.22E-10	3.64E-03	2.60E-03	4.39E+01	2.00E+01	--	2.25E-03	--	1.97E-10	3.79E-07	3.50E-05	1.74E-11	1.05E-05	3.72E-03	4.62E-05	6.58E-04	3.56E-10
RL	RLPFP-08	19.58	7.00E+00	--	--	4.21E-15	5.96E-03	2.27E-03	3.69E+01	1.20E+01	9.82E-20	3.04E-03	--	1.87E-15	5.94E-07	2.60E-05	9.92E-12	1.69E-05	2.83E-03	4.24E-05	3.84E-04	5.41E-06
RL	RLPURX-07	41.83	1.87E+02	--	--	--	1.67E-01	5.17E-02	1.06E+03	4.54E+02	--	6.86E-02	--	--	1.76E-05	7.29E-04	3.98E-10	4.87E-04	7.71E-02	1.11E-03	1.50E-02	1.09E-08
RL	RLSWO-08	27.59	4.98E+01	--	--	3.20E-06	4.26E-02	3.72E-01	3.05E+00	2.77E+00	4.01E-20	4.82E-03	--	1.02E-06	4.27E-06	4.28E-03	2.32E-12	1.21E-04	4.63E-01	3.15E-06	8.96E-05	7.51E-10
RL	RLWTP-08	1777.74	7.12E+00	3.89E-03	--	7.78E-07	2.96E-02	4.56E-04	2.36E+01	3.73E+00	1.42E-20	2.84E-04	--	2.69E-07	1.62E-02	1.07E-03	9.68E-11	1.76E-01	1.16E-01	4.96E-03	1.97E-03	1.10E-01
SA	SA-W135	6.23	5.56E+00	--	4.12E-18	3.00E-08	5.97E-03	1.67E-03	3.75E+00	5.21E-01	9.43E-24	--	--	1.46E-08	7.35E-07	1.12E-04	4.41E-13	1.90E-05	1.21E-02	7.51E-04	1.69E-05	2.49E-04
SR	SR-BCLRH-MT01	0.89	7.64E-01	1.74E-02	1.56E-17	2.35E-09	8.81E-04	7.57E-04	3.07E-01	4.66E-01	3.00E-04	1.54E-03	--	7.54E-10	1.16E-07	1.63E-05	9.04E-12	2.90E-06	1.76E-03	1.31E-05	1.85E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	5.30E-03	1.20E-04	1.08E-19	1.63E-11	6.11E-06	5.27E-06	2.13E-03	3.23E-03	2.08E-06	1.07E-05	--	5.21E-12	8.01E-10	1.13E-07	6.29E-14	2.01E-08	1.22E-05	9.12E-08	1.29E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	1.82E-01	--	3.74E-18	3.85E-11	1.55E-04	3.25E-04	1.14E-01	1.72E-01	--	--	--	7.58E-10	1.69E-08	8.46E-06	5.36E-12	4.55E-07	9.16E-04	7.91E-06	1.08E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	5.33E-01	1.21E-02	1.08E-17	1.64E-09	6.15E-04	5.26E-04	2.15E-01	3.25E-01	2.09E-04	1.07E-03	--	5.25E-10	8.07E-08	1.13E-05	6.33E-12	2.02E-06	1.22E-03	9.15E-06	1.30E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	1.59E+01	3.61E-01	3.24E-16	4.89E-08	1.84E-02	1.58E-02	6.40E+00	9.75E+00	6.25E-03	3.21E-02	--	1.57E-08	2.41E-06	3.38E-04	1.89E-10	6.05E-05	3.67E-02	2.75E-04	3.87E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	1.09E+00	2.46E-02	2.21E-17	3.34E-09	1.26E-03	1.08E-03	4.37E-01	6.64E-01	4.28E-04	2.19E-03	--	1.07E-09	1.65E-07	2.32E-05	1.29E-11	4.13E-06	2.51E-03	1.88E-05	2.64E-04	3.56E-04
SR	SR-BCLRH-T006	0.89	2.55E-01	5.79E-03	5.19E-18	7.85E-10	2.94E-04	2.53E-04	1.03E-01	1.56E-01	1.00E-04	5.16E-04	--	2.53E-10	3.87E-08	5.43E-06	3.03E-12	9.69E-07	5.88E-04	4.41E-06	6.20E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	2.11E-03	4.77E-05	4.30E-20	6.49E-12	2.43E-06	2.09E-06	8.48E-04	1.29E-03	8.25E-07	4.24E-06	--	2.09E-12	3.19E-10	4.49E-08	2.50E-14	8.01E-09	4.86E-06	3.65E-08	5.12E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	2.52E-02	5.70E-04	5.13E-19	7.77E-11	2.90E-05	2.50E-05	1.01E-02	1.54E-02	9.88E-06	5.06E-05	--	2.49E-11	3.81E-09	5.36E-07	2.99E-13	9.56E-08	5.81E-05	4.35E-07	6.11E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	1.69E-01	3.85E-03	3.45E-18	5.23E-10	1.95E-04	1.68E-04	6.82E-02	1.04E-01	6.66E-05	3.41E-04	--	1.67E-10	2.56E-08	3.62E-06	2.02E-12	6.43E-07	3.92E-04	2.92E-06	4.13E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	9.59E-01	6.33E-02	2.77E-17	3.30E-08	5.28E-03	3.29E-04	3.22E-03	2.30E-02	7.15E-04	1.28E-05	--	8.72E-09	1.06E-06	2.58E-07	7.27E-14	2.27E-05	3.23E-05	5.08E-08	1.79E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	9.15E-03	--	1.45E-19	2.65E-11	7.79E-06	8.25E-06	1.03E-02	4.75E-05	--	--	--	6.98E-12	7.76E-10	2.79E-07	3.97E-17	2.21E-08	3.03E-05	1.06E-08	1.53E-09	--
SR	SR-SWMF-HET-RH	1.78	4.60E-02	8.39E-02	5.14E-17	3.78E-12	9.82E-04	2.36E-04	4.51E-01	1.50E-01	8.47E-04	5.42E-05	2.60E-13	1.38E-12	2.05E-07	3.13E-06	1.69E-13	4.37E-06	3.37E-04	1.79E-06	5.69E-06	2.84E-05
SR	SR-T003-773A-HET	104.06	2.02E+01	4.58E+00	3.70E-15	5.53E-09	1.80E-02	4.96E-02	1.73E+00	3.71E+00	6.60E-02	1.90E-03	8.81E-11	1.91E-09	4.24E-06	6.12E-04	1.82E-11	7.76E-05	6.57E-02	2.51E-05	4.13E-04	9.31E-07
SR	SR-W027-221H-HET-RH	7.12	1.22E-01	--	--	--	1.95E+00	1.26E-01	4.36E-01	2.01E-01	--	2.55E-04	--	--	4.28E-04	1.75E-03	8.99E-13	8.95E-03	1.86E-01	9.90E-05	2.05E-05	4.43E-08
SR	SR-W027-SRSG-HET-RH	69.38	1.21E+01	1.75E-04	1.24E-17	6.82E-12	1.08E-02	8.74E-01	5.31E+01	2.96E+01	3.04E-04	5.50E-02	--	3.93E-12	1.14E-06	1.24E-02	2.60E-11	3.16E-05	1.31E+00	5.62E-05	9.80E-04	3.51E-08
Total		7079	9.28E+02	7.10E+00	1.04E-14	8.21E-06	3.24E+00	1.90E+00	2.83E+03	8.90E+02	8.03E-02	1.26E+00	2.40E-06	3.67E-06	8.36E+00	7.28E-02	6.86E-02	5.07E+01	6.99E+00	7.32E-02	2.75E-01	2.96E-01

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	101.78	2.30E-02	1.17E+00	1.34E-01	3.65E-16	7.42E+01	3.79E+01	4.82E-03	2.60E-02	1.09E-13	2.15E-02	4.50E-03	1.01E-09	4.40E-02	1.01E-01	1.89E-03	7.48E-03	4.41E-02
AE	AECHHM-S	13.86	4.63E-03	3.21E-03	4.67E-03	2.54E-17	3.57E+01	9.67E+00	7.48E-09	2.00E-03	--	2.20E-04	3.07E-04	2.58E-10	1.01E-04	6.91E-03	2.96E-04	1.90E-03	2.69E-03
AE	AE-T001	511.88	6.37E-02	--	2.23E+00	2.18E-16	4.04E+02	1.62E+02	--	2.22E-01	--	1.24E-01	1.98E-03	2.03E-04	3.49E-01	4.55E-02	1.14E-02	3.20E-02	1.63E-01
AE	AE-T003	23.32	1.62E-03	--	1.55E-02	5.84E-18	2.50E+01	6.56E+00	--	3.10E-04	--	3.62E-03	1.96E-05	1.76E-10	9.67E-03	4.50E-04	2.09E-04	1.30E-03	1.67E-03
AE	MU-W002-S	4.5	2.21E-03	7.09E-04	5.27E-03	--	1.97E-02	--	--	--	--	7.05E-04	5.48E-09	--	1.14E-04	2.45E-07	1.05E-07	--	1.73E-05
AW	AW-N026.82	1.87	--	--	--	--	6.63E-03	--	--	--	--	--	--	--	--	--	3.55E-08	--	--
AW	AW-N027.531	31.79	3.46E-05	--	2.24E-05	7.21E-16	8.96E+01	3.67E-01	--	7.81E-06	--	3.68E-06	2.21E-03	9.81E-12	9.91E-06	4.94E-02	5.45E-04	7.24E-05	2.46E-07
AW	AW-T033.1325	197.65	1.06E-01	1.07E+01	2.14E+00	4.55E-15	6.17E+02	9.51E+01	--	4.60E-02	1.15E-05	2.51E+00	3.18E-02	4.29E-06	6.64E+00	7.12E-01	1.83E-02	2.21E-02	8.38E-03
AW	AW-W049	186.13	7.01E-02	--	4.46E-02	5.99E-17	5.03E+01	2.44E+01	--	1.52E-02	--	1.97E-04	1.65E-04	6.48E-10	9.68E-04	3.71E-03	1.69E-03	4.79E-03	1.56E-05
BT	BT-T002	18.9	4.61E-06	2.51E-05	6.00E-05	5.19E-18	6.42E-04	8.88E-04	1.83E-07	1.16E-05	6.73E-13	2.65E-07	1.04E-04	7.52E-11	1.30E-06	2.33E-03	2.65E-05	3.03E-04	1.22E-07
FR	FR-MOX-MT02	0.42	5.75E-10	--	3.74E-10	2.98E-24	2.59E-07	1.05E-07	--	4.12E-09	--	1.66E-12	9.75E-12	2.81E-18	8.14E-12	2.18E-10	1.39E-12	2.07E-11	3.15E-15
FR	FR-MOX-T01	5.62	7.76E-09	--	5.05E-09	4.02E-23	3.50E-06	1.41E-06	--	5.56E-08	--	2.24E-11	1.32E-10	3.80E-17	1.10E-10	2.94E-09	1.87E-11	2.80E-10	4.26E-14
IN	BN004-S	333.77	1.38E-01	--	2.59E-01	2.85E-16	1.05E+03	1.61E+02	--	2.47E-02	--	9.13E-02	1.27E-03	4.29E-09	2.43E-01	2.86E-02	8.08E-03	3.17E-02	1.92E-03
IN	BN161-S	58.4	1.94E-02	--	1.29E-02	5.60E-17	2.02E+02	3.14E+01	--	4.27E-03	--	5.69E-05	1.58E-04	8.34E-10	2.80E-04	3.54E-03	1.08E-03	6.17E-03	3.25E-09
IN	BN211-S	522.55	1.87E-01	3.20E-06	1.44E-01	5.03E-16	1.79E+03	2.80E+02	--	3.95E-02	--	1.19E-02	1.54E-03	7.46E-09	3.29E-02	3.45E-02	1.02E-02	5.52E-02	4.63E-06
IN	BN243-S	149.97	1.49E-02	--	1.21E-02	3.22E-17	1.02E+02	1.56E+01	--	2.63E-03	--	5.33E-05	1.30E-04	4.16E-10	2.62E-04	2.92E-03	7.87E-04	3.07E-03	2.00E-09
IN	BN252-S	178.73	8.09E-02	--	1.12E-01	2.27E-16	9.84E+02	1.43E+02	--	2.63E-02	--	4.96E-04	6.59E-04	3.82E-09	2.44E-03	1.48E-02	5.48E-03	2.82E-02	2.00E-08
IN	BN296-S	474.38	2.46E-01	--	1.96E-01	4.87E-16	1.54E+03	2.32E+02	--	3.96E-02	--	2.96E-03	1.41E-03	6.18E-09	9.77E-03	3.16E-02	1.01E+00	4.58E-02	6.75E-04
IN	BN304-S	304.57	1.97E-02	--	1.49E-02	8.78E-14	2.64E+01	1.35E+01	--	1.92E-02	--	6.58E-05	2.46E-01	3.59E-10	3.24E-04	5.54E+00	1.84E-04	2.65E-03	2.39E-02
IN	BN510-S	4064.78	5.70E-01	--	4.22E-01	3.71E-15	5.33E+03	7.82E+02	--	1.18E-01	--	8.27E-03	5.53E-02	2.08E-08	2.61E-02	1.24E+00	1.03E+00	1.54E-01	2.58E-02
IN	BN835-S	1028.34	1.33E-02	--	1.48E-02	9.82E-15	2.94E+00	1.28E+00	--	2.18E-03	--	6.53E-05	2.75E-02	3.40E-11	3.21E-04	6.19E-01	1.58E-05	2.52E-04	2.14E-04
IN	BN836-S	1669.29	8.23E-04	--	2.70E-03	1.02E-14	2.34E+00	1.09E+00	--	2.10E-03	--	1.19E-05	2.84E-02	2.89E-11	5.85E-05	6.37E-01	4.52E-05	2.14E-04	1.34E-05
IN	BNINW216-S	4466.68	9.51E+00	--	6.42E+00	1.00E-15	1.48E+03	2.55E+02	--	2.27E-01	--	2.83E-02	1.11E-02	6.79E-09	1.39E-01	2.63E-01	3.95E-02	5.02E-02	1.81E+00
IN	BNINW218-S	449.19	1.44E-02	--	2.70E-01	1.30E-17	3.88E+01	5.42E+00	--	1.34E-03	--	1.19E-03	8.16E-04	1.44E-10	5.86E-03	1.93E-02	1.99E-03	1.07E-03	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	5.71E-05	--	3.81E-05	1.40E-19	6.33E-01	9.87E-02	--	1.33E-05	--	1.68E-07	3.92E-07	2.63E-12	8.26E-07	8.81E-06	3.38E-06	1.94E-05	1.02E-11
IN	ID-RF-S3114-S	274.41	5.66E-03	--	3.88E-03	8.84E-18	3.31E+01	4.88E+00	--	7.93E-04	--	1.71E-05	8.70E-05	1.30E-10	8.42E-05	1.98E-03	2.15E-04	9.61E-04	2.77E-03
IN	ID-RF-S3150-A-S	201.71	1.52E-02	--	1.14E-02	4.01E-17	1.32E+02	1.97E+01	--	2.81E-03	--	5.02E-05	2.49E-02	5.23E-10	2.47E-04	5.58E-01	8.01E-04	3.87E-03	1.84E-04
IN	ID-RF-S5100-A-S	615.72	5.29E-02	--	3.51E-02	1.11E-16	5.05E+02	7.23E+01	--	1.04E-02	--	5.38E-04	3.99E-04	1.92E-09	1.77E-03	8.95E-03	2.75E-03	1.42E-02	4.51E-06
IN	ID-RF-S5126-S	231.85	6.53E-02	--	4.40E-02	1.75E-16	7.29E+02	1.15E+02	--	1.78E-02	--	8.11E-02	1.22E-03	3.06E-09	2.14E-01	2.74E-02	3.90E-03	2.27E-02	1.59E-03
IN	ID-RF-S5300-A-S	2091.87	2.91E-02	1.07E-08	2.23E-02	4.13E-17	1.88E+02	2.86E+01	--	5.09E-02	--	1.10E-01	1.10E-03	7.62E-10	2.91E-01	2.48E-02	1.59E-03	5.64E-03	8.55E-04
IN	ID-SDA-DEBRIS-S	33.49	1.11E-02	--	7.41E-03	2.94E-17	9.67E+01	1.50E+01	--	2.27E-03	--	1.96E-03	3.33E-04	4.00E-10	5.25E-03	7.49E-03	6.67E-04	2.96E-03	2.07E-03
IN	IN-BN004	647.51	1.95E-01	--	3.35E-01	4.03E-16	1.48E+03	2.28E+02	--	3.45E-02	--	1.48E-03	1.66E-03	6.05E-09	7.26E-03	3.73E-02	1.13E-02	4.48E-02	2.62E-05
IN	IN-BN222	265.5	5.93E-02	--	3.77E-02	1.16E-16	5.54E+02	8.40E+01	--	1.56E-02	--	1.31E-01	7.71E-04	2.24E-09	3.46E-01	1.92E-02	3.93E-03	1.65E-02	2.63E-01
IN	IN-BN311	12.27	4.27E-02	--	2.72E-02	6.68E-17	3.28E+02	4.95E+01	--	1.05E-02	--	1.79E-01	2.28E-04	1.32E-09	4.72E-01	5.15E-03	1.88E-03	9.74E-03	4.79E-03
IN	IN-BN409	16.43	4.19E-01	--	2.69E-01	2.69E-16	9.64E+02	1.49E+02	--	1.86E-02	--	1.19E-03	7.73E-04	3.98E-09	5.85E-03	1.73E-02	5.15E-03	2.94E-02	1.42E-08
IN	IN-BN421	30.78	4.89E-02	--	3.11E-02	1.96E-16	5.62E+02	8.70E+01	--	1.35E-02	--	9.77E-03	7.25E-04	2.32E-09	2.61E-02	1.63E-02	3.77E-03	1.72E-02	2.13E-03
IN	IN-BN432	67.39	5.29E-02	--	3.37E-02	1.00E-16	4.90E+02	7.43E+01	--	1.54E-02	--	8.52E-02	3.25E-04	1.98E-09	2.25E-01	7.29E-03	2.81E-03	1.46E-02	6.94E-04
IN	IN-BN510	11223.71	1.42E+00	--	9.97E-01	8.85E-15	1.35E+04	1.97E+03	--	2.89E-01	--	4.40E-03	2.66E-02	5.24E-08	2.16E-02	5.98E-01	8.75E-02	3.88E-01	6.27E-02
IN	IN-BN835	111.97	9.17E-04	--	1.09E-03	8.00E-16	2.29E-01	9.86E-02	--	1.61E-04	--	4.79E-06	2.21E-03	2.62E-12	2.36E-05	4.96E-02	1.23E-06	1.94E-05	1.65E-05
IN	IN-BN836	240.6	2.66E-05	--	2.27E-04	2.38E-16	5.39E-02	2.50E-02	--	4.84E-05	--	1.00E-06	6.57E-04	6.64E-13	4.92E-06	1.48E-02	3.42E-06	4.92E-06	1.26E-06
IN	IN-BNINW216	5484.89	7.98E+00	--	5.37E+00	7.37E-16	1.24E+03	2.07E+02	--	1.11E-01	--	2.37E-02	7.78E-03	5.49E-09	1.16E-01	1.80E-01	3.29E-02	4.07E-02	6.80E-01
IN	IN-BNINW218	573.03	1.24E-02	--	1.34E-01	9.46E-18	3.33E+01	4.54E+00	--	1.06E-03	--	5.92E-04	6.05E-04	1.21E-10	2.91E-03	1.45E-02	1.71E-03	8.93E-04	1.22E-01
IN	IN-GEM-01	7.28	1.05E-03	--	6.74E-04	1.97E-19	1.37E+00	2.13E-01	--	1.85E-05	--	2.97E-06	5.61E-07	5.69E-12	1.46E-05	1.26E-05	7.33E-06	4.21E-05	1.41E-11
IN	IN-GEM-02	5.41	7.80E-04	--	5.01E-04	1.46E-19	1.02E+00	1.59E-01	--	1.38E-05	--	2.21E-06	4.16E-07	4.23E-12	1.09E-05	9.35E-06	5.44E-06	3.12E-05	1.05E-11
IN	IN-ID-RF-S3114	3800.07	7.43E-02	--	5.09E-02	1.17E-16	4.34E+02	6.40E+01	--	1.04E-02	--	2.24E-04	1.14E-03	1.70E-09	1.10E-03	2.59E-02	2.82E-03	1.26E-02	3.63E-02
IN	IN-ID-RF-S3150-A	56.13	4.23E-03	--	3.15E-03	1.13E-17	3.65E+01	5.43E+00	--	7.79E-04	--	1.39E-05	6.88E-03	1.45E-10	6.83E-05	1.55E-01	2.22E-04	1.07E-03	5.10E-05

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	IN-ID-RF-S5100-A	161.53	1.33E-02	--	8.80E-03	2.83E-17	1.27E+02	1.81E+01	--	2.64E-03	--	1.35E-04	9.99E-05	4.81E-10	4.44E-04	2.24E-03	6.89E-04	3.56E-03	1.13E-06
IN	IN-ID-RF-S5126-A	180.57	4.90E-02	--	3.29E-02	1.32E-16	5.45E+02	8.62E+01	--	1.33E-02	--	6.07E-02	9.12E-04	2.29E-09	1.60E-01	2.05E-02	2.92E-03	1.70E-02	1.19E-03
IN	IN-ID-RF-S5300-A	9123.66	1.86E-01	4.39E-08	1.33E-01	1.70E-16	7.71E+02	1.18E+02	--	2.09E-01	--	4.54E-01	4.52E-03	3.13E-09	1.20E+00	1.01E-01	6.54E-03	2.32E-02	3.51E-03
IN	IN-ID-SDA-Debris	2302.4	6.45E-01	3.45E+00	4.31E-01	1.49E-15	5.46E+03	8.40E+02	--	3.72E-01	--	7.04E-02	1.09E-01	5.17E-08	1.90E-01	2.45E+00	3.54E-02	2.84E-01	1.06E-01
IN	IN-ID-SDA-Sludge	4554.58	8.09E+00	6.82E+00	5.52E+00	5.26E-16	2.14E+03	3.26E+02	--	8.94E-02	--	7.01E-02	4.70E-02	6.67E-08	2.41E-01	1.07E+00	3.69E-02	2.98E-01	2.45E+00
IN	IN-ID-SDA-Soil	665.18	1.94E-01	9.96E-01	1.32E-01	9.84E-17	3.81E+02	5.86E+01	--	1.45E-02	--	5.80E-04	5.30E-03	1.13E-06	2.85E-03	1.21E-01	1.10E-01	4.56E-02	2.19E-01
IN	INW161.001-S	19.14	1.13E-02	--	7.20E-03	3.01E-17	1.36E+02	2.09E+01	--	3.49E-03	--	3.18E-05	1.00E-04	5.56E-10	1.56E-04	2.24E-03	8.13E-04	4.11E-03	5.56E-06
IN	IN-W163.1007	9.21	3.03E-03	--	1.93E-03	1.25E-17	6.03E+01	9.01E+00	--	3.36E-03	--	8.55E-06	3.98E-05	2.42E-10	4.19E-05	8.90E-04	3.23E-04	1.78E-03	2.57E-09
IN	INW169.001-S	19.14	1.94E-03	--	1.24E-03	3.75E-18	1.70E+01	2.58E+00	--	5.86E-04	--	5.46E-06	2.38E-05	6.87E-11	2.69E-05	5.35E-04	1.63E-04	5.08E-04	4.37E-06
IN	IN-W181.162	76.23	1.66E-03	--	1.05E-03	4.53E-18	2.23E+01	3.44E+00	--	4.19E-04	--	4.66E-06	1.45E-05	9.22E-11	2.29E-05	3.24E-04	1.20E-04	6.80E-04	3.20E-10
IN	IN-W188.160	141.57	3.04E-03	--	1.93E-03	1.25E-17	6.05E+01	9.04E+00	--	2.82E-03	--	8.58E-06	3.99E-05	2.42E-10	4.21E-05	8.93E-04	3.24E-04	1.79E-03	2.16E-09
IN	INW198.001-S	49.09	2.75E-03	--	1.75E-03	6.78E-18	3.27E+01	4.96E+00	--	8.79E-04	--	1.04E-04	2.57E-05	1.32E-10	2.92E-04	5.78E-04	2.10E-04	9.77E-04	5.90E-05
IN	INW211.001-S	303.92	3.37E-01	--	2.14E-01	7.53E-16	3.15E+03	4.76E+02	--	1.39E-01	--	5.76E-03	2.33E-03	1.27E-08	1.73E-02	5.23E-02	1.78E-02	9.38E-02	1.47E-03
IN	INW216.001-S	1245.06	1.81E+01	--	1.17E+01	6.36E-16	2.82E+03	4.30E+02	--	1.17E-01	--	6.39E-02	3.04E-02	1.15E-08	2.86E-01	7.09E-01	1.18E-01	8.47E-02	3.89E+00
IN	INW218.001-S	1110.87	2.74E-01	--	1.76E-01	9.48E-17	4.30E+02	6.53E+01	--	1.69E-02	--	4.91E-03	4.36E-02	1.74E-09	1.47E-02	1.04E+00	1.04E-01	1.29E-02	8.74E+00
IN	INW222.001-S	65.1	2.37E-02	--	1.51E-02	5.64E-17	2.46E+02	3.75E+01	--	7.33E-03	--	6.67E-05	2.02E-04	9.98E-10	3.28E-04	4.58E-03	1.42E-03	7.38E-03	7.02E-03
IN	INW243.001-S	74.88	2.96E-02	--	1.89E-02	5.82E-17	2.05E+02	3.11E+01	--	6.75E-03	--	1.00E-03	2.49E-04	8.28E-10	2.83E-03	5.60E-03	1.54E-03	6.12E-03	3.17E-04
IN	INW247.001R1-S	116.9	3.84E-02	--	2.45E-02	1.39E-16	3.59E+02	5.56E+01	--	7.85E-03	--	2.91E-03	4.02E-04	1.48E-09	7.91E-03	9.03E-03	1.92E-03	1.10E-02	5.99E-09
IN	INW252.001-S	60.94	2.81E-02	--	1.78E-02	6.83E-17	2.61E+02	4.02E+01	--	6.75E-03	--	7.86E-05	2.30E-04	1.07E-09	3.87E-04	5.16E-03	1.62E-03	7.92E-03	5.15E-09
IN	IN-W263.520	265.86	2.78E-05	--	1.77E-05	1.92E-15	1.56E+01	1.68E-02	--	2.49E-05	--	7.83E-08	6.14E-03	4.51E-13	3.84E-07	1.37E-01	8.36E-05	3.32E-06	1.90E-11
IN	INW276.001-S	10.19	2.59E-03	--	1.65E-03	1.31E-17	2.75E+01	4.25E+00	--	6.49E-04	--	7.32E-06	3.90E-05	1.14E-10	3.59E-05	8.75E-04	1.47E-04	8.39E-04	4.95E-10
IN	INW276.002-S	16.02	4.08E-03	--	2.60E-03	1.97E-17	4.13E+01	6.38E+00	--	9.73E-04	--	2.83E-04	5.86E-05	1.70E-10	7.70E-04	1.32E-03	2.22E-04	1.26E-03	7.43E-10
IN	INW276.003-S	186.58	1.55E-01	--	9.88E-02	7.30E-16	1.49E+03	2.31E+02	--	3.62E-02	--	1.98E-02	2.14E-03	6.16E-09	5.32E-02	4.80E-02	8.02E-03	4.55E-02	1.15E-06
IN	INW276.004-S	46.8	3.60E-02	--	2.29E-02	1.53E-16	3.18E+02	4.91E+01	--	7.58E-03	--	1.69E-02	4.52E-04	1.31E-09	4.49E-02	1.01E-02	1.72E-03	9.67E-03	5.78E-09
IN	INW296.001-S	97.76	6.23E-02	--	3.98E-02	1.63E-16	4.44E+02	6.83E+01	--	1.09E-02	--	3.94E-03	5.01E-04	1.82E-09	1.08E-02	1.13E-02	2.52E-03	1.35E-02	3.96E-04
IN	IN-W315.601	6.92	1.38E-01	--	9.07E-02	9.98E-19	4.93E+00	7.58E-01	--	9.19E-05	--	4.02E-04	3.19E-06	2.03E-11	1.97E-03	7.13E-05	2.64E-05	1.50E-04	7.02E-11
IN	IN-W319.584	4.5	9.87E-04	--	6.27E-04	4.06E-18	1.95E+01	2.93E+00	--	1.30E-03	--	2.78E-06	1.30E-05	7.85E-11	1.36E-05	2.90E-04	1.05E-04	5.79E-04	9.96E-10
IN	IN-W321.1023	10.89	8.64E-03	--	5.49E-03	3.55E-17	1.71E+02	2.56E+01	--	6.37E-03	--	2.44E-05	1.13E-04	6.88E-10	1.19E-04	2.53E-03	9.17E-04	5.07E-03	4.87E-09
IN	IN-W357.1022	4.5	3.09E-05	--	1.97E-05	1.27E-19	6.11E-01	9.15E-02	--	3.18E-05	--	8.72E-08	4.04E-07	2.45E-12	4.28E-07	9.05E-06	3.27E-06	1.81E-05	2.43E-11
IN	IN-W375.1096	189.63	7.63E-04	--	4.85E-04	3.13E-18	1.51E+01	2.27E+00	--	6.95E-04	--	2.15E-06	9.99E-06	6.08E-11	1.06E-05	2.24E-04	8.11E-05	4.48E-04	5.32E-10
KN	KN-B234TRU	837.93	6.86E-02	--	4.40E-02	1.24E-16	5.87E+02	3.98E+02	--	--	--	9.02E-01	4.68E-01	1.26E-01	2.38E+00	2.40E+00	4.64E-01	5.39E-01	5.95E-02
LA	LA-CIN01.001	516.07	7.31E+00	2.48E-01	4.88E+00	5.73E-15	7.41E+03	1.35E+03	--	3.08E+00	2.46E-06	5.76E-02	2.98E-02	2.30E-03	2.01E-01	6.68E-01	4.92E-02	2.69E-01	3.37E-01
LA	LA-CIN02.001	427.19	1.94E-01	1.63E-03	1.36E-01	3.76E-16	6.39E+02	2.47E+01	--	9.01E-03	--	8.06E-03	2.14E-03	6.66E-10	2.25E-02	4.77E-02	6.37E-03	4.90E-03	3.28E-05
LA	LA-LAMHD03DD	3.78	1.38E-06	--	8.68E-07	3.72E-19	3.06E-02	--	--	--	--	3.83E-09	1.06E-06	--	1.88E-08	2.38E-05	1.63E-07	--	--
LA	LA-LAMIN02V.001	27.29	4.55E-03	--	2.86E-03	1.11E-17	5.91E+01	9.51E+00	--	9.08E-04	--	1.26E-05	3.15E-05	2.53E-10	6.21E-05	7.08E-04	3.15E-04	1.87E-03	6.92E-10
LA	LA-LAMIN04S	203.85	3.87E-01	--	2.47E-01	4.57E-16	1.70E+03	2.97E+02	--	2.25E-01	1.02E-07	1.09E-03	1.29E-03	7.90E-09	5.35E-03	2.90E-02	9.05E-03	5.84E-02	1.72E-07
LA	LA-LA-NCD01	261.55	2.14E-03	--	1.35E-03	5.21E-18	2.78E+01	4.48E+00	--	4.28E-04	--	5.95E-06	1.48E-05	1.19E-10	2.93E-05	3.33E-04	1.49E-04	8.83E-04	3.26E-10
LA	LA-LANHD01	161.34	1.49E-03	--	9.62E-04	3.27E-18	1.98E+01	3.19E+00	--	3.05E-04	--	4.27E-06	1.06E-05	8.56E-11	2.09E-05	2.38E-04	1.06E-04	6.31E-04	2.33E-10
LA	LA-LANHD02238	1343.98	6.30E-04	--	4.02E-04	1.05E-14	1.01E+00	3.26E-01	--	4.29E-04	--	1.78E-06	3.25E-02	8.72E-12	8.75E-06	7.28E-01	5.40E-06	6.43E-05	3.28E-10
LA	LA-LANIN03NC	701.76	7.97E-01	2.58E-01	6.28E-01	2.48E-14	5.32E+03	9.09E+02	--	1.24E-01	--	2.77E-03	7.00E-02	2.42E-08	1.36E-02	1.57E+00	2.84E-02	1.79E-01	9.47E-08
LA	LA-MHD01.001	2520.53	1.98E+00	1.91E-01	1.47E+00	1.73E-13	1.87E+04	3.34E+03	6.79E-04	3.10E+01	8.38E-06	1.34E-01	7.65E-01	9.00E-08	3.67E-01	1.71E+01	1.08E-01	6.62E-01	3.95E-02
LA	LA-MHD01.001-S	1106.52	1.59E+00	5.68E-01	1.21E+00	1.04E-13	9.58E+03	1.73E+03	3.66E-04	2.02E+00	--	2.28E-01	4.25E-01	4.56E-06	6.13E-01	9.37E+00	5.51E-02	3.40E-01	5.96E-03
LA	LA-MHD02.001-S	13.52	6.95E-04	2.50E-05	4.88E-04	1.01E-14	1.20E+00	4.12E-01	5.84E-05	7.11E-04	--	3.10E-06	4.26E-02	1.10E-11	1.31E-05	9.58E-01	7.04E-06	8.10E-05	5.42E-10
LA	LA-MHD03.001	596.95	5.94E-02	3.98E-02	1.23E-01	8.11E-15	4.60E+02	7.57E+01	3.06E-05	1.48E-01	1.29E-07	5.40E-03	3.62E-02	1.30E-08	1.54E-02	8.09E-01	9.17E-03	1.51E-02	1.40E-03
LA	LA-MHD03.001-S	192.02	1.84E-02	1.46E-02	2.50E-02	4.07E-15	1.09E+02	2.01E+01	2.34E-05	1.45E-02	--	5.39E-03	1.55E-02	5.34E-10	1.45E-02	3.48E-01	6.88E-04	3.95E-03	1.88E-04
LA	LA-MHD04.001	8.75	3.31E-04	4.95E-05	3.64E-04	4.71E-15	9.17E-01	3.22E-01	--	6.62E-04	--	1.62E-06	1.87E-02	8.70E-12	7.95E-06	4.17E-01	4.92E-06	6.39E-05	5.07E-10

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-MIN03-NC.001	1105.1	1.06E-01	4.57E-03	6.91E-02	3.19E-16	3.56E+02	1.02E+01	1.05E-07	2.06E-03	--	6.86E-04	2.17E-03	2.72E-10	2.46E-03	4.88E-02	2.72E-03	2.01E-03	6.39E-04
LA	LA-MIN03-NC.001-S	367.04	5.78E-02	3.43E-04	3.90E-02	4.46E-17	1.21E+02	1.20E+01	1.39E-08	1.63E-02	--	1.72E-04	6.77E-04	3.18E-10	8.47E-04	1.52E-02	9.65E-04	2.36E-03	1.76E-04
LA	LA-OS-00-01.001	206.96	4.37E+00	2.60E-04	2.82E+00	4.92E-14	5.76E+02	1.09E+02	--	4.17E-02	3.93E-08	1.25E-02	1.46E-01	2.90E-09	6.13E-02	3.27E+00	3.08E-03	2.14E-02	3.43E-08
LA	LA-OS-00-01.001-S	82.58	2.37E-01	--	1.51E-01	3.83E-14	6.03E+02	1.23E+02	--	5.64E-02	--	6.67E-04	1.32E-01	3.26E-09	3.28E-03	2.96E+00	3.24E-03	2.41E-02	1.03E-06
LA	LA-OS-00-01-S	0.42	8.91E-04	--	5.84E-04	9.90E-18	4.13E+00	2.85E+00	--	9.56E-05	--	2.58E-06	8.92E-02	7.61E-11	1.27E-05	6.38E-04	2.21E-05	5.62E-04	7.29E-11
LA	LA-OS-00-03	57.82	8.05E-03	--	5.19E-03	--	--	--	--	--	--	2.30E-05	--	--	1.13E-04	--	--	--	--
LA	LA-PX-00-01	0.62	4.21E-06	--	2.71E-06	2.72E-20	4.82E-02	7.68E-03	--	--	--	1.20E-08	8.19E-08	2.05E-13	5.88E-08	1.84E-06	2.57E-07	1.52E-06	--
LA	LA-TA-00-01	195.7	1.20E-02	5.15E-03	1.32E-02	2.36E-15	9.09E+01	1.19E+01	2.74E-04	1.04E-01	1.07E-04	5.14E-04	8.71E-03	1.11E-07	1.48E-03	1.94E-01	4.88E-04	2.36E-03	7.70E-05
LA	LA-TA-03-01	0.21	1.70E-05	--	1.75E-05	2.95E-20	1.60E-01	2.58E-02	--	2.46E-06	--	7.72E-08	8.55E-08	6.88E-13	3.80E-07	1.92E-06	8.56E-07	5.09E-06	1.88E-12
LA	LA-TA-03-09	8.18	4.17E-04	2.91E-03	3.50E-04	3.52E-19	9.06E-02	1.45E-02	--	1.38E-06	--	1.55E-06	1.06E-06	3.87E-13	7.62E-06	2.38E-05	4.83E-07	2.86E-06	1.20E-05
LA	LA-TA-03-10	276.87	1.82E-03	1.01E-04	2.13E-03	6.65E-18	2.08E+01	3.34E+00	--	3.29E-04	--	9.41E-06	8.73E-05	8.92E-11	4.63E-05	1.96E-03	1.72E-04	6.59E-04	5.60E-05
LA	LA-TA-03-12	0.21	6.91E-06	--	4.52E-06	2.40E-20	1.64E-01	2.59E-02	--	2.54E-06	--	2.02E-08	8.86E-08	7.02E-13	9.87E-08	1.98E-06	8.81E-07	5.15E-06	1.95E-12
LA	LA-TA-03-14	15.12	--	--	--	1.57E-17	8.09E-01	--	--	--	--	--	5.80E-05	--	--	1.29E-03	1.14E-04	--	--
LA	LA-TA-03-20	1.87	1.72E-04	--	1.40E-04	2.24E-15	3.24E-01	1.05E-01	--	1.70E-04	--	6.24E-07	1.03E-02	2.82E-12	3.05E-06	2.31E-01	1.74E-06	2.08E-05	1.30E-10
LA	LA-TA-03-28	6.03	1.81E-04	--	1.18E-04	1.61E-17	3.51E+00	4.51E-01	--	1.06E-04	--	5.29E-07	5.80E-05	1.22E-11	2.59E-06	1.30E-03	1.89E-05	8.95E-05	8.13E-11
LA	LA-TA-03-29	0.42	2.86E-05	--	1.84E-05	1.05E-15	9.82E-02	2.61E-02	--	3.16E-05	--	8.18E-08	3.59E-03	7.01E-13	4.01E-07	8.02E-02	5.27E-07	5.16E-06	2.42E-11
LA	LA-TA-03-30	7.77	2.88E-05	9.14E-07	2.05E-05	3.92E-19	4.60E-02	9.88E-03	--	9.63E-07	--	9.17E-08	1.41E-06	2.67E-13	4.49E-07	3.15E-05	5.95E-07	1.96E-06	7.39E-13
LA	LA-TA-03-31	0.21	4.43E-05	--	2.83E-05	1.68E-19	1.03E+00	1.63E-01	--	1.59E-05	--	1.26E-07	5.53E-07	4.38E-12	6.17E-07	1.24E-05	5.50E-06	3.22E-05	1.22E-11
LA	LA-TA-03-33	2.1	8.61E-08	--	1.84E-04	--	--	--	--	--	--	8.23E-07	3.84E-09	--	4.03E-06	1.71E-07	--	--	1.20E-05
LA	LA-TA-03-34	20.79	5.17E-06	--	3.36E-06	1.70E-17	3.32E-02	2.52E-03	--	2.46E-07	--	1.49E-08	5.22E-05	6.74E-14	7.30E-08	1.17E-03	2.84E-06	4.98E-07	6.16E-06
LA	LA-TA-03-40	17.01	--	--	--	3.19E-18	6.55E+00	--	--	--	--	--	1.09E-05	--	--	2.45E-04	6.59E-05	--	--
LA	LA-TA-03-42	56.7	1.26E-06	--	8.11E-07	7.02E-19	5.20E-01	4.66E-03	--	4.55E-07	--	3.61E-09	2.43E-06	1.25E-13	1.77E-08	5.43E-05	2.79E-06	9.23E-07	3.49E-13
LA	LA-TA-21-05	0.42	4.06E-05	--	2.65E-05	1.43E-19	9.10E-01	1.47E-01	--	1.67E-05	--	1.18E-07	5.20E-07	3.97E-12	5.79E-07	1.16E-05	2.47E-05	2.92E-05	1.28E-11
LA	LA-TA-21-06	233.79	1.44E-02	2.95E-06	9.42E-03	8.03E-14	1.76E+02	3.62E+01	--	1.12E-02	--	4.20E-05	2.93E-01	9.77E-10	2.06E-04	6.55E+00	1.88E-03	7.18E-03	8.56E-09
LA	LA-TA-21-07	299.21	6.82E-03	2.73E-08	4.46E-03	6.04E-14	1.76E+02	2.30E+01	--	3.37E-03	--	1.99E-05	2.23E-01	6.22E-10	9.75E-05	4.98E+00	9.78E-04	4.57E-03	2.01E-03
LA	LA-TA-21-08	2.91	1.61E-04	--	1.05E-04	5.13E-16	2.31E+00	4.41E-01	--	1.11E-04	--	4.69E-07	1.86E-03	1.19E-11	2.30E-06	4.16E-02	1.24E-05	8.75E-05	8.51E-11
LA	LA-TA-21-09	2.5	1.31E-05	--	8.57E-06	8.43E-15	3.11E-01	4.92E-02	--	4.81E-06	--	3.82E-08	3.06E-02	1.33E-12	1.87E-07	6.83E-01	1.67E-06	9.77E-06	3.69E-12
LA	LA-TA-21-10	1.89	--	--	--	--	4.40E-01	--	--	--	--	--	--	--	--	--	2.36E-06	--	--
LA	LA-TA-21-11	13.23	--	--	--	2.95E-18	1.83E+01	--	--	--	--	--	1.08E-05	--	--	2.41E-04	9.83E-05	--	--
LA	LA-TA-21-12	163.32	2.65E-02	--	1.73E-02	2.51E-13	2.39E+02	5.34E+01	--	2.26E-02	--	1.56E+01	9.06E-01	1.44E-09	4.08E+01	2.02E+01	3.34E-03	1.06E-02	1.74E-08
LA	LA-TA-21-13	1766.36	4.07E+00	--	2.75E+00	1.03E-15	1.07E+02	--	--	--	--	1.23E-02	4.08E-03	1.10E-04	6.01E-02	9.11E-02	2.46E-02	--	1.12E-02
LA	LA-TA-21-14	55.15	--	--	--	--	8.05E+00	--	--	--	--	--	--	--	--	--	4.32E-05	--	--
LA	LA-TA-21-15	3.74	1.28E-04	--	8.34E-05	4.53E-19	4.10E+00	4.79E-01	--	4.69E-05	--	3.72E-07	1.63E-06	1.29E-11	1.82E-06	3.65E-05	2.20E-05	9.51E-05	3.59E-11
LA	LA-TA-21-16	79.87	2.58E-02	--	1.68E-02	1.18E-16	5.48E+02	8.87E+01	--	1.23E-02	--	7.49E-05	4.25E-04	2.39E-09	3.67E-04	9.50E-03	6.24E-03	1.76E-02	9.44E-09
LA	LA-TA-21-17	0.62	9.59E-07	--	6.25E-07	3.37E-21	2.27E-02	3.59E-03	--	3.51E-07	--	2.79E-09	1.22E-08	9.70E-14	1.36E-08	2.73E-07	1.22E-07	7.13E-07	2.69E-13
LA	LA-TA-21-40	664.64	1.92E-04	--	1.40E-04	7.69E-15	2.89E+02	5.21E-01	--	5.10E-05	1.75E-04	2.55E-06	2.66E-02	1.40E-11	8.12E-06	5.95E-01	1.55E-03	1.03E-04	1.36E-06
LA	LA-TA-21-41	15.12	--	--	--	--	1.58E+01	--	--	--	--	--	--	--	--	--	8.48E-05	--	--
LA	LA-TA-21-42	62.37	2.49E-03	--	1.78E-03	2.56E-17	1.82E+01	--	--	--	--	7.93E-06	8.88E-05	--	3.88E-05	1.98E-03	1.40E-04	--	--
LA	LA-TA-48-01	8.32	8.56E-05	1.30E-05	1.74E-04	2.79E-18	5.28E-01	8.98E-02	--	4.24E-06	--	3.02E-03	8.88E-06	2.39E-12	7.96E-03	1.99E-04	2.82E-06	1.77E-05	3.23E-12
LA	LA-TA-50-01	1.89	5.08E-06	4.46E-06	3.27E-06	1.25E-21	7.52E-04	--	--	--	--	1.45E-08	8.13E-06	--	7.11E-08	1.83E-04	3.41E-06	--	--
LA	LA-TA-50-02	0.62	1.00E-05	--	6.64E-06	1.98E-18	3.01E-02	--	--	--	--	2.93E-08	5.73E-06	--	1.44E-07	1.29E-04	4.84E-07	--	--
LA	LA-TA-50-05	0.21	5.76E-06	--	3.70E-06	1.81E-19	1.30E-01	2.35E-03	--	--	--	1.63E-08	5.21E-07	6.25E-14	8.03E-08	1.17E-05	6.96E-07	4.62E-07	--
LA	LA-TA-50-06	3.55	3.93E-03	--	2.55E-03	1.77E-17	3.16E+00	1.28E+00	--	2.99E-03	--	1.13E-05	5.60E-05	3.42E-11	5.55E-05	1.25E-03	1.69E-05	2.52E-04	2.29E-09
LA	LA-TA-50-10	3.95	6.85E-03	--	4.36E-03	1.04E-15	8.72E+01	1.42E+01	--	1.48E-03	--	1.93E-05	3.10E-03	3.78E-10	9.48E-05	6.97E-02	8.32E-04	2.79E-03	1.35E-02
LA	LA-TA-50-11	0.83	1.06E-04	--	6.85E-05	3.63E-19	2.18E+00	3.35E-01	--	3.27E-05	--	3.05E-07	1.25E-06	9.03E-12	1.49E-06	2.79E-05	1.17E-05	6.64E-05	2.51E-11
LA	LA-TA-50-12	9.22	3.97E-06	--	2.72E-06	1.33E-19	7.26E-02	--	--	--	--	1.21E-08	3.20E-04	--	5.93E-08	1.42E-02	3.89E-07	--	1.00E+00

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-50-13	0.21	--	--	--	5.13E-20	--	--	--	--	--	--	1.66E-07	--	--	3.72E-06	--	--	--
LA	LA-TA-50-14	0.42	1.73E-05	--	1.15E-05	1.76E-20	1.36E-02	--	--	--	--	5.13E-08	6.04E-08	--	2.51E-07	1.35E-06	7.29E-08	--	--
LA	LA-TA-50-15	91.12	4.91E-03	--	3.23E-03	1.43E-15	3.22E+01	4.84E+00	--	5.32E-04	--	1.44E-05	4.85E-03	1.31E-10	7.05E-05	1.08E-01	1.81E-03	9.61E-04	1.48E-07
LA	LA-TA-50-16	13.23	1.59E-04	5.11E-03	3.67E-03	1.91E-17	5.49E-01	5.43E-02	--	8.61E-06	--	1.63E-05	5.96E-05	1.45E-12	7.99E-05	1.34E-03	2.94E-06	1.07E-05	6.58E-12
LA	LA-TA-50-18	3.54	5.14E-04	--	3.47E-04	5.47E-18	5.45E-01	5.47E-02	--	--	--	1.55E-06	2.00E-05	1.48E-12	7.58E-06	4.47E-04	1.56E-05	1.09E-05	--
LA	LA-TA-50-19	108.97	7.65E-03	--	5.17E-03	2.69E-16	6.57E+00	--	--	--	--	2.31E-05	9.91E-04	--	1.13E-04	2.21E-02	9.16E-05	--	--
LA	LA-TA-50-20	0.62	9.05E-07	--	6.05E-07	--	2.59E-03	--	--	--	--	2.70E-09	--	--	1.32E-08	--	1.39E-08	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	5.24E-04	--	--	--	--	--	--	--	--	--	2.81E-09	--	--
LA	LA-TA-50-41	20.79	6.01E-05	--	3.81E-05	2.36E-19	1.38E+00	2.19E-01	--	2.14E-05	--	1.69E-07	7.43E-07	5.86E-12	8.28E-07	1.66E-05	7.38E-06	4.33E-05	1.63E-11
LA	LA-TA-55-03	35.59	1.79E-02	--	1.22E-02	7.08E-16	1.89E+02	3.19E+01	--	1.58E-01	2.73E-08	5.38E-05	2.13E-03	8.54E-10	2.64E-04	4.79E-02	1.02E-03	6.30E-03	2.25E-07
LA	LA-TA-55-04	1.25	2.19E-04	--	1.40E-04	5.14E-19	2.88E+00	4.63E-01	--	4.43E-05	--	6.17E-07	1.54E-06	1.24E-11	3.03E-06	3.45E-05	1.54E-05	9.14E-05	3.38E-11
LA	LA-TA-55-05	56.5	7.65E-03	5.42E-05	4.93E-03	7.56E-15	9.01E+01	1.50E+01	1.81E-05	6.63E-02	5.96E-08	2.18E-05	3.14E-02	4.00E-10	1.07E-04	7.04E-01	6.35E-04	2.95E-03	2.35E-06
LA	LA-TA-55-07	3.12	2.12E-03	--	1.35E-03	2.48E-16	2.06E+01	3.42E+00	--	1.16E-01	1.63E-07	5.98E-06	7.49E-04	9.13E-11	2.94E-05	1.68E-02	1.10E-04	6.74E-04	8.83E-08
LA	LA-TA-55-08	2.7	4.55E-04	--	2.90E-04	4.07E-17	5.96E+00	9.59E-01	--	9.34E-05	--	1.28E-06	1.23E-04	2.56E-11	6.31E-06	2.75E-03	3.18E-05	1.89E-04	7.13E-11
LA	LA-TA-55-09	0.62	2.17E-05	4.03E-06	1.61E-05	8.11E-16	1.15E-01	4.19E-02	--	8.65E-04	8.86E-10	7.11E-08	3.51E-03	1.12E-12	3.49E-07	7.86E-02	6.12E-07	8.27E-06	6.61E-10
LA	LA-TA-55-10	0.62	7.34E-05	6.87E-06	5.00E-05	4.53E-16	6.46E-02	3.80E-02	--	6.77E-03	--	2.21E-07	1.94E-03	1.02E-12	1.09E-06	4.36E-02	3.45E-07	7.51E-06	5.17E-09
LA	LA-TA-55-12	0.21	8.05E-06	--	5.12E-06	2.18E-20	2.45E-02	8.11E-03	--	4.04E-06	--	2.26E-08	6.49E-08	2.17E-13	1.11E-07	1.46E-06	2.29E-04	1.60E-06	8.75E-07
LA	LA-TA-55-14	358.8	1.08E+00	--	7.02E-01	1.09E-16	5.55E+02	8.97E+01	--	6.14E-02	--	3.11E-03	3.30E-04	2.40E-09	1.53E-02	7.40E-03	3.43E-03	1.77E-02	2.94E-05
LA	LA-TA-55-15	18.1	3.82E-02	--	2.44E-02	5.69E-15	4.62E+02	7.65E+01	--	9.32E-03	--	1.08E-04	1.72E-02	2.04E-09	5.30E-04	3.85E-01	2.47E-03	1.51E-02	7.11E-09
LA	LA-TA-55-17B	14.82	1.31E-04	--	8.31E-05	2.89E-18	1.71E+00	2.76E-01	--	2.64E-05	--	3.67E-07	8.49E-06	7.36E-12	1.80E-06	1.91E-04	9.15E-06	5.44E-05	2.02E-11
LA	LA-TA-55-18	0.42	--	--	--	6.79E-16	--	--	--	--	--	--	2.26E-03	--	--	5.05E-02	--	--	--
LA	LA-TA-55-19	1200.75	3.31E-01	2.26E-03	2.20E-01	1.03E-13	3.57E+03	7.17E+02	--	2.13E+00	1.78E-06	2.76E-02	4.11E-01	7.60E-08	7.48E-02	9.17E+00	3.47E-02	1.44E-01	8.41E-03
LA	LA-TA-55-19.01-S	81.42	2.72E-02	2.73E-03	2.12E-02	1.15E-16	2.16E+02	3.61E+01	--	1.65E-01	--	9.38E-05	5.55E-03	9.63E-10	4.61E-04	1.24E-01	1.38E-03	7.12E-03	3.87E-04
LA	LA-TA-55-19.02-S	228.99	1.53E-01	4.83E-02	1.19E-01	1.16E-15	7.06E+02	1.34E+02	--	1.23E+00	--	2.21E-03	4.02E-02	2.06E-05	7.01E-03	8.67E-01	4.72E-03	2.64E-02	1.53E-03
LA	LA-TA-55-20	46.28	8.02E-03	1.19E-04	5.27E-03	2.52E-15	1.13E+02	1.89E+01	--	2.62E-02	--	2.34E-05	7.94E-03	5.08E-10	1.15E-04	1.78E-01	9.57E-04	3.74E-03	4.45E-05
LA	LA-TA-55-21	75.52	1.98E-02	1.70E-04	1.30E-02	1.17E-14	2.81E+02	5.21E+01	--	4.60E-02	2.53E-08	5.77E-05	4.36E-02	1.41E-09	2.83E-04	9.75E-01	1.59E-03	1.03E-02	1.00E-03
LA	LA-TA-55-22	27.13	1.75E-03	1.35E-05	1.16E-03	9.67E-15	1.97E+01	3.52E+00	1.00E-05	2.68E-03	4.28E-10	5.16E-06	3.68E-02	9.45E-11	2.53E-05	8.23E-01	1.07E-04	6.97E-04	6.09E-09
LA	LA-TA-55-23	1.66	4.97E-04	--	3.20E-04	9.32E-16	1.11E+01	1.77E+00	--	1.99E-04	--	1.42E-06	3.17E-03	4.76E-11	6.98E-06	7.09E-02	5.95E-05	3.51E-04	1.52E-10
LA	LA-TA-55-24	1.46	3.36E-04	--	2.13E-04	1.19E-18	5.76E+00	9.62E-01	--	1.29E-04	--	9.45E-07	7.99E-06	2.61E-11	4.64E-06	1.79E-04	1.67E-04	1.91E-04	3.16E-05
LA	LA-TA-55-25	0.42	3.77E-04	--	2.42E-04	1.42E-18	8.59E+00	1.37E+00	--	1.42E-04	--	1.07E-06	4.74E-06	3.68E-11	5.27E-06	1.06E-04	4.60E-05	2.71E-04	1.09E-10
LA	LA-TA-55-26	1.66	4.27E-05	--	2.97E-05	2.83E-16	5.56E-01	9.82E-02	--	2.57E-05	--	1.32E-07	8.90E-04	2.63E-12	6.46E-07	1.99E-02	2.98E-06	1.94E-05	1.97E-11
LA	LA-TA-55-27	0.42	9.51E-07	--	6.11E-07	3.54E-21	2.22E-02	3.51E-03	--	3.43E-07	--	2.72E-09	1.19E-08	9.45E-14	1.33E-08	2.67E-07	1.19E-07	6.96E-07	2.63E-13
LA	LA-TA-55-29	3.74	2.75E-04	7.82E-05	2.05E-04	1.19E-14	1.77E+00	5.81E-01	4.73E-05	9.56E-04	--	9.07E-07	5.17E-02	1.56E-11	4.45E-06	1.16E+00	9.46E-06	1.15E-04	7.30E-10
LA	LA-TA-55-30	1180.3	2.28E-01	2.23E-04	1.48E-01	1.56E-13	1.96E+03	4.19E+02	1.51E-05	4.78E-01	1.42E-07	6.61E-04	5.74E-01	1.13E-08	3.23E-03	1.28E+01	1.26E-02	8.31E-02	2.45E-02
LA	LA-TA-55-30-S	95.32	4.53E-02	4.06E-03	3.67E-02	2.56E-16	2.14E+02	4.09E+01	--	5.93E-02	--	3.68E-03	1.16E-03	3.28E-05	1.01E-02	2.61E-02	1.36E-03	8.05E-03	5.58E-04
LA	LA-TA-55-31	21.65	4.28E-03	1.74E-06	2.74E-03	1.72E-17	9.04E+01	1.39E+01	--	1.59E-02	1.37E-08	1.22E-05	1.98E-04	3.78E-10	5.96E-05	4.42E-03	5.84E-04	2.77E-03	2.51E-07
LA	LA-TA-55-32	10.02	2.38E-03	4.62E-05	1.59E-03	1.52E-14	1.81E+01	3.52E+00	6.68E-06	1.50E-02	1.31E-08	7.08E-06	5.63E-02	9.73E-11	3.47E-05	1.26E+00	1.73E-04	7.07E-04	7.17E-07
LA	LA-TA-55-33	2.5	7.19E-05	--	4.63E-05	2.77E-19	4.24E-01	1.40E-01	--	7.17E-05	--	2.06E-07	9.53E-07	3.78E-12	1.01E-06	2.13E-05	2.27E-06	2.78E-05	5.49E-11
LA	LA-TA-55-34	70.51	1.17E-01	--	7.58E-02	3.41E-16	1.58E+03	2.70E+02	--	1.40E-01	9.66E-08	3.93E-03	1.76E-03	7.27E-09	1.11E-02	3.96E-02	9.03E-03	5.35E-02	2.80E-02
LA	LA-TA-55-36	0.21	4.54E-03	--	2.98E-03	6.10E-19	3.64E+00	5.78E-01	--	5.64E-05	--	1.32E-05	1.96E-06	1.55E-11	6.50E-05	4.39E-05	1.95E-05	1.14E-04	4.31E-11
LA	LA-TA-55-38	3.54	3.39E-04	--	2.19E-04	1.24E-14	1.17E+00	3.11E-01	--	3.77E-04	--	9.75E-07	4.28E-02	8.37E-12	4.78E-06	9.56E-01	6.28E-06	6.16E-05	2.89E-10
LA	LA-TA-55-39	69.26	1.32E-01	--	8.46E-02	5.73E-16	2.93E+03	4.68E+02	--	2.69E-01	2.07E-07	3.76E-04	1.94E-03	1.26E-08	1.84E-03	4.34E-02	1.57E-02	9.26E-02	2.43E-07
LA	LA-TA-55-43	65.51	1.32E-04	1.22E-06	9.40E-05	1.71E-15	4.91E-01	1.12E-01	--	1.73E-04	--	4.18E-07	6.20E-03	1.50E-06	2.05E-06	1.38E-01	2.71E-06	2.22E-05	1.32E-10
LA	LA-TA-55-43.01-S	190.89	2.22E-04	8.98E-06	1.79E-04	3.03E-15	4.03E-01	4.48E-01	--	5.28E-04	--	7.93E-07	1.05E-02	4.58E-06	3.90E-06	2.35E-01	2.16E-06	8.84E-05	4.03E-10
LA	LA-TA-55-46	0.21	3.09E-08	--	2.00E-08	4.14E-19	4.44E-05	1.54E-05	--	2.09E-08	--	8.86E-11	1.35E-06	4.12E-16	4.35E-10	3.03E-05	2.38E-10	3.04E-09	1.60E-14
LA	LA-TA-55-47	1.89	1.06E-06	--	6.67E-07	4.21E-21	2.42E-02	3.84E-03	--	3.74E-07	--	2.95E-09	1.30E-08	1.03E-13	1.45E-08	2.91E-07	1.29E-07	7.58E-07	2.86E-13

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-50	3.14	1.08E-05	--	6.95E-06	1.38E-17	1.35E-01	2.14E-02	--	2.63E-06	--	3.08E-08	4.13E-05	5.71E-13	1.51E-07	9.26E-04	7.19E-07	4.22E-06	2.01E-12
LA	LA-TA-55-53	11.86	2.23E-02	--	1.41E-02	5.51E-17	2.64E+02	4.42E+01	--	5.43E-03	--	6.23E-05	1.61E-04	1.18E-09	3.06E-04	3.61E-03	1.41E-03	8.72E-03	4.14E-09
LA	LA-TA-55-54	0.21	3.92E-07	--	2.56E-07	8.31E-22	5.28E-03	8.48E-04	--	8.12E-08	--	1.14E-09	2.83E-09	2.28E-14	5.58E-09	6.32E-08	2.83E-08	1.68E-07	6.21E-14
LA	LA-TA-55-60	75.6	2.72E-03	--	5.44E-03	5.62E-17	1.10E+01	2.58E+00	--	4.00E-01	3.82E-07	2.43E-05	1.94E-04	6.95E-11	1.19E-04	4.35E-03	5.91E-05	5.11E-04	6.60E-07
LA	LA-TA-55-61	119.07	2.61E-03	--	1.69E-03	3.00E-16	2.21E+01	5.12E+00	--	1.76E-02	1.50E-08	7.50E-06	1.02E-03	1.38E-10	3.67E-05	2.28E-02	1.18E-04	1.01E-03	1.35E-08
LA	LA-TA-55-62	15.12	1.02E-04	--	6.59E-05	4.27E-19	5.51E-01	1.79E-01	--	1.00E-04	--	2.93E-07	1.47E-06	4.83E-12	1.44E-06	3.28E-05	2.95E-06	3.56E-05	7.70E-11
LA	LA-TA-55-63	3.78	8.70E-06	--	5.55E-06	3.32E-20	2.01E-01	3.19E-02	--	3.12E-06	--	2.47E-08	1.08E-07	8.58E-13	1.21E-07	2.43E-06	1.08E-06	6.32E-06	2.39E-12
LB	LB-T001	1.61	2.91E-04	2.00E-03	2.86E-04	1.05E-21	2.98E-03	4.43E-04	2.71E-04	6.70E-05	2.90E-10	1.74E-04	3.12E-09	8.03E-09	4.62E-04	7.19E-08	1.92E-07	8.73E-08	2.57E-07
LB	LB-T002	1.4	1.39E-05	2.18E-04	4.90E-03	4.83E-20	6.66E-02	8.23E-05	9.18E-09	5.96E-05	4.06E-05	2.17E-05	1.50E-07	1.87E-15	1.06E-04	3.37E-06	1.03E-06	1.43E-08	2.66E-08
LB	LB-T003	1.4	5.62E-05	--	3.67E-05	--	--	2.51E-05	--	--	--	1.62E-07	--	6.72E-16	7.97E-07	--	--	4.96E-09	--
LL	BLCHDN.001-S	1.66	7.79E-04	1.39E-03	9.16E-04	4.99E-19	2.43E-04	3.57E-04	7.43E-04	--	--	4.04E-06	1.41E-06	9.51E-15	1.99E-05	3.16E-05	6.79E-10	7.03E-08	--
LL	LL-M001	1532.77	5.31E+00	6.72E-01	1.58E+00	5.56E-09	4.97E+03	1.03E+03	2.98E+00	5.46E-01	2.18E-06	1.24E+01	1.42E-01	6.16E-05	3.26E+01	3.16E+00	3.41E-02	2.03E-01	1.78E-02
LL	LL-M001-S5400-S	143.14	1.17E-01	8.45E-03	1.46E-01	2.03E-15	5.18E+02	9.87E+01	1.95E-03	3.14E-02	--	6.44E-04	6.58E-03	2.63E-09	3.17E-03	1.48E-01	3.26E-03	1.94E-02	3.54E-03
LL	LL-T004	1.25	6.81E-03	--	4.42E-03	9.63E-18	3.69E+00	1.22E+00	--	1.29E-03	--	1.95E-05	2.66E-05	3.25E-11	9.59E-05	5.97E-04	1.97E-05	2.41E-04	9.80E-10
LL	LL-T005	0.42	2.58E-06	--	1.64E-06	1.61E-21	5.18E-03	8.11E-04	--	1.62E-07	--	7.22E-09	4.44E-09	2.16E-14	3.56E-08	9.97E-08	2.76E-08	1.60E-07	1.23E-13
LL	LL-W018a	1517.72	2.58E-02	--	1.64E-02	3.30E-17	4.23E+01	8.54E+00	--	3.08E-03	--	7.21E-05	9.09E-05	2.27E-10	3.55E-04	2.04E-03	2.25E-04	1.68E-03	2.35E-09
LL	LL-W018b	27.35	8.49E-02	5.01E-05	5.42E-02	5.80E-16	3.95E+00	1.18E-05	--	--	2.91E-18	2.39E-04	1.60E-03	3.13E-16	1.18E-03	3.59E-02	2.44E-05	2.31E-09	--
LL	LL-W019	15.81	1.38E-02	1.58E-06	1.04E-02	1.49E-16	7.10E+01	1.35E+01	--	4.01E-03	--	3.89E-01	4.21E-04	3.58E-10	1.03E+00	9.46E-03	1.11E-03	2.65E-03	2.07E-03
MC	MC-W001	0.21	--	--	3.94E-05	--	4.37E-03	--	--	--	--	1.76E-07	--	--	8.60E-07	--	2.34E-08	--	--
NT	NT-JAS-01	1971.73	1.36E-01	--	8.62E-02	7.66E-16	1.69E+02	9.28E+01	--	--	--	3.80E-04	2.18E-03	2.47E-09	1.87E-03	4.90E-02	9.03E-04	1.83E-02	--
NT	NTLBL-S5400-S	1.66	3.97E-04	3.62E-03	9.10E-04	8.36E-19	5.83E-01	9.09E-02	2.85E-05	2.10E-05	--	4.01E-06	2.34E-06	2.42E-12	1.97E-05	5.26E-05	3.11E-06	1.79E-05	1.60E-11
NT	NTLRC-S5400-S	3.12	1.88E-03	2.19E-05	1.44E-03	3.28E-18	6.22E+00	1.55E+00	--	2.90E-04	--	6.34E-06	2.04E-04	4.12E-11	3.12E-05	4.58E-03	1.81E-04	3.05E-04	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	1.68E-03	5.72E-07	1.11E-03	5.43E-18	2.10E+01	3.24E+00	--	4.27E-04	--	2.21E-03	5.49E-05	8.61E-11	5.83E-03	1.23E-03	1.30E-04	6.37E-04	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	1.77E-03	--	1.15E-03	6.84E-18	3.36E+01	4.23E+00	--	5.21E-04	--	5.05E-06	2.17E-05	1.13E-10	2.49E-05	4.87E-04	1.79E-04	8.33E-04	2.84E-05
NT	NT-RF-METAL-S	6.03	3.88E-04	1.70E-06	2.55E-04	1.22E-18	5.83E+00	9.80E-01	--	1.34E-04	--	1.13E-06	1.97E-03	2.61E-11	5.54E-06	4.44E-02	5.85E-05	1.93E-04	2.23E-02
NT	NTS54332R0-S	307.24	5.00E-02	8.10E-03	4.58E-02	1.43E-16	3.19E+02	5.67E+01	1.50E-04	1.03E-02	--	8.09E-02	1.63E-03	1.51E-09	2.14E-01	3.66E-02	1.00E+00	1.12E-02	1.01E-02
NT	NTS54COMR0-S	50.35	1.27E-02	1.31E-02	1.26E-02	1.22E-16	4.43E+01	7.20E+00	5.29E-04	1.83E-03	--	9.69E-02	4.35E-04	1.92E-10	2.56E-01	9.77E-03	2.50E-04	1.42E-03	8.79E-04
NT	NTS54MIX1R0-S	0.42	1.33E-06	5.97E-05	1.63E-06	2.30E-21	2.50E-02	4.09E-03	--	6.76E-07	--	7.20E-09	6.61E-09	1.09E-13	3.54E-08	1.48E-07	1.34E-07	8.05E-07	5.16E-13
NT	NT-W001	111.46	1.74E-02	1.38E-01	1.23E-02	1.30E-16	4.37E+02	1.99E+00	6.01E-05	1.57E-02	1.82E-07	1.22E-01	4.65E-04	5.34E-11	3.20E-01	1.04E-02	2.36E-03	3.93E-04	2.80E-05
NT	NT-W002	18.79	2.94E-03	2.33E-02	2.08E-03	2.19E-17	7.37E+01	3.35E-01	1.01E-05	2.64E-03	3.07E-08	2.05E-02	7.84E-05	9.00E-12	5.40E-02	1.75E-03	3.98E-04	6.63E-05	4.72E-06
NT	NT-W003	1.89	5.43E-04	--	3.63E-04	9.69E-19	2.93E+00	4.87E-01	--	1.14E-04	--	1.61E-06	3.18E-06	1.31E-11	7.90E-06	7.15E-05	1.68E-04	9.64E-05	4.62E-05
NT	NT-W004	0.21	--	--	--	1.93E-18	2.40E-02	--	--	--	--	--	6.32E-06	--	--	1.41E-04	1.28E-07	--	--
NT	NT-W005	0.21	5.69E-06	--	3.80E-06	1.44E-20	4.36E-02	7.26E-03	1.25E-09	1.69E-06	--	1.69E-08	4.76E-08	1.95E-13	8.28E-08	1.08E-06	2.33E-07	1.44E-06	1.81E-06
NT	NT-W021	9	3.03E-03	--	1.93E-03	8.38E-18	4.43E+01	6.87E+00	--	1.03E-03	--	8.59E-06	1.28E-03	1.85E-10	4.21E-05	2.89E-02	7.78E-04	1.36E-03	2.79E-02
OR	OR-CHEM-CH-HET	26	1.59E-03	6.48E-04	1.08E-03	6.04E-16	2.72E+00	3.44E-01	--	8.03E-04	3.06E-17	2.28E-01	2.04E-03	7.08E-05	5.99E-01	4.57E-02	7.97E-05	6.86E-05	1.05E-03
OR	OR-GENR-CH-HET	26	4.66E-03	2.95E-01	1.39E-02	5.16E-17	2.28E+00	2.55E-02	4.51E-03	1.11E-01	2.05E-07	2.27E-02	4.47E-04	1.81E-06	5.99E-02	4.04E-03	1.67E-05	3.97E-05	5.41E-04
OR	OR-ISTP-CH-HET	69.06	6.05E-02	5.92E-01	3.38E-01	5.11E-15	1.07E+01	1.13E+01	1.01E-03	8.94E-02	8.87E-09	6.78E-02	1.74E-02	1.46E-04	1.82E-01	3.78E-01	2.50E-04	2.24E-03	2.35E-04
OR	OR-NBL-CH-HET	11.44	1.85E-05	--	4.06E-08	4.11E-18	9.39E-01	2.52E-01	1.84E-05	--	--	5.38E-03	6.57E-05	6.76E-12	1.41E-02	1.48E-03	1.67E-04	4.98E-05	1.00E-03
OR	OR-NFS-CH-HET	58.86	1.88E-02	1.70E-03	1.20E-02	5.86E-17	7.52E+01	2.84E+01	3.47E-04	2.21E-02	1.24E-09	4.68E-02	1.17E-01	6.61E-05	1.23E-01	2.61E+00	5.93E-04	5.61E-03	3.09E-03
OR	OR-NFS-CH-HOM	9.98	4.05E-02	--	2.63E-02	1.67E-16	1.38E+02	5.02E+01	--	1.03E-02	--	1.17E-04	2.01E-01	1.35E-09	5.73E-04	4.49E+00	9.19E-04	9.93E-03	5.02E-03
OR	OR-NFS-CH-SOIL	123.76	5.54E-02	--	3.62E-02	1.46E-16	2.91E+02	8.70E+01	--	1.14E-02	--	3.75E-03	2.99E-01	8.34E-06	1.02E-02	6.69E+00	2.11E-03	1.72E-02	7.00E-03
OR	OR-PGDP-CH-HET	3.74	--	--	8.78E-02	--	2.46E-01	--	--	--	--	3.90E-04	4.68E-04	--	1.91E-03	1.06E-02	4.26E-04	--	1.05E-02
OR	OR-RADP-CH-HET	45.76	1.04E-02	4.00E-02	1.06E-02	8.96E-18	9.33E+00	1.48E+00	1.19E-04	1.37E-04	1.21E-08	7.42E-03	3.46E-05	5.80E-07	1.96E-02	7.74E-04	1.89E-04	2.93E-04	4.17E-06
OR	OR-REDC-CH-HET	489.23	2.31E-02	4.20E-01	1.67E-02	8.05E-17	1.12E+01	4.15E+00	1.84E-02	2.72E-02	2.12E-06	1.14E-03	3.22E-04	1.24E-05	1.83E-03	7.20E-03	6.68E-05	2.34E-01	1.83E-06
OR	OR-RF-CH-HET	130.83	3.45E-03	6.39E-03	2.31E-03	2.33E-17	3.65E+01	5.77E+00	3.63E-08	3.57E-02	8.57E-15	1.55E+01	2.41E-04	3.77E-04	4.06E+01	4.95E-03	1.28E-03	1.14E-03	2.67E-03
OR	OR-RF-CH-HOM	2.5	1.51E-05	--	9.96E-06	9.75E-20	3.63E-02	2.42E-02	--	--	--	4.42E-08	2.56E-06	6.51E-13	2.17E-07	5.78E-05	2.49E-06	4.80E-06	8.19E-05

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
OR	OR-TBD-CH-HET	165.85	7.54E-02	1.77E+00	1.28E-01	2.57E-15	7.43E+01	1.22E+02	2.68E-06	2.12E-02	5.47E-09	1.02E+00	9.27E-03	1.78E-04	2.68E+00	2.07E-01	2.01E-03	2.41E-02	3.08E-02
OR	OR-W203	285.72	1.15E-03	1.15E-01	6.76E-04	1.11E-17	5.03E-02	1.50E+00	8.10E-05	3.84E-02	2.30E-07	2.98E-06	3.07E-05	3.98E-11	1.47E-05	6.90E-04	2.17E-07	2.94E-04	2.44E-08
OR	OR-W213-CH-HET	322.63	3.77E-03	2.13E-03	1.38E-02	1.18E-17	4.71E+00	3.98E-03	--	2.98E-03	--	8.92E+00	3.90E-02	1.29E-01	1.03E+01	5.89E-01	8.89E-03	9.43E-03	1.13E-01
OR	OR-WSTR-CH-HET	0.42	--	--	--	2.57E-19	--	--	--	--	--	--	8.47E-07	--	--	1.89E-05	--	--	--
OR	OR-Y12-CH-HET	1.04	--	--	5.35E-03	1.08E-21	4.53E-02	6.44E-06	--	--	--	2.38E-05	2.06E-05	1.73E-16	1.17E-04	4.65E-04	1.20E-04	1.27E-09	5.29E-04
PA	PA-A015	2.08	1.28E-05	--	1.31E-01	1.65E-20	3.42E-01	--	--	--	--	5.79E-04	1.05E-02	--	2.84E-03	1.67E-02	8.37E-04	--	1.82E-02
PA	PA-W014	2.91	5.10E-05	--	2.06E+00	--	1.39E-01	--	--	--	--	9.15E-03	3.18E-03	--	4.49E-02	7.20E-02	3.90E-03	--	1.09E-01
RF	RF001.01-S	979.16	5.92E-01	7.37E-04	4.30E-01	8.28E-16	2.91E+03	4.59E+02	--	1.17E-01	--	2.99E-02	1.12E-02	1.22E-08	8.31E-02	2.51E-01	2.51E-02	9.05E-02	2.21E-03
RF	RF002.01-S	1460.53	5.95E-01	6.60E-04	3.88E-01	1.23E-15	3.81E+03	6.09E+02	--	1.21E-01	--	9.83E-03	9.30E-03	1.62E-08	2.98E-02	2.11E-01	2.74E-02	1.20E-01	2.83E-01
RF	RF003.01-S	355.39	1.09E+00	--	6.99E-01	2.97E-15	1.10E+04	1.80E+03	--	2.91E-01	--	6.83E-03	9.35E-03	4.80E-08	2.50E-02	2.10E-01	5.91E-02	3.55E-01	1.30E-03
RF	RF004.01-S	282.97	9.84E-02	5.51E-07	6.37E-02	1.85E-16	5.94E+02	9.34E+01	--	1.90E-02	--	2.81E-04	1.43E-03	2.49E-09	1.38E-03	3.21E-02	3.83E-03	1.84E-02	7.54E-04
RF	RF005.01-S	119.39	1.76E+00	--	1.14E+00	1.17E-15	4.14E+03	7.22E+02	--	1.00E-01	--	5.03E-03	3.47E-03	1.93E-08	2.47E-02	7.78E-02	2.22E-02	1.42E-01	7.65E-08
RF	RF005.02-S	78.42	2.08E+00	--	1.35E+00	6.91E-16	2.51E+03	4.48E+02	--	6.40E-02	--	5.96E-03	2.06E-03	1.20E-08	2.93E-02	4.62E-02	1.34E-02	8.83E-02	2.20E-07
RF	RF006.01-S	235.66	8.69E-01	--	5.59E-01	2.60E-15	7.97E+03	1.31E+03	--	2.94E-01	--	2.48E-03	8.33E-03	3.50E-08	1.22E-02	1.86E-01	4.29E-02	2.58E-01	1.61E-06
RF	RF008.01-S	97.15	4.16E-01	--	2.79E-01	1.12E-15	2.94E+03	5.46E+02	--	1.35E-01	--	1.23E-03	3.31E-03	1.46E-08	6.05E-03	7.42E-02	1.57E-02	1.08E-01	1.78E-07
RF	RF009.01-S	1326.87	2.22E+01	--	1.46E+01	1.11E-14	4.76E+04	8.01E+03	--	1.35E+00	--	6.46E-02	3.29E-02	2.14E-07	3.18E-01	7.37E-01	2.54E-01	1.58E+00	3.75E-06
RF	RF010.01-S	629.55	6.48E-01	2.56E-05	4.18E-01	1.43E-15	5.42E+03	8.57E+02	--	1.58E-01	--	1.84E-03	9.57E-03	2.29E-08	9.07E-03	2.15E-01	3.29E-02	1.69E-01	3.58E-03
RF	RF011.01-S	79.52	1.12E-01	--	7.11E-02	3.57E-16	1.29E+03	2.10E+02	--	3.03E-02	--	3.14E-04	1.06E-03	5.59E-09	1.54E-03	2.37E-02	6.89E-03	4.14E-02	4.23E-06
RF	RF015.01-S	1.66	2.13E-03	--	1.42E-03	5.39E-18	1.62E+01	2.57E+00	--	5.77E-04	--	6.27E-06	1.55E-05	6.85E-11	3.08E-05	3.48E-04	8.67E-05	5.07E-04	4.40E-10
RF	RF029.01-S	4346.69	1.07E+00	9.03E-04	6.98E-01	2.10E-15	5.93E+03	9.68E+02	--	2.19E-01	5.61E-14	3.08E-03	9.55E-03	2.58E-08	1.52E-02	2.14E-01	3.43E-02	1.91E-01	1.26E-03
RF	RF031.01-S	20.59	5.38E-03	--	3.43E-03	1.32E-17	4.16E+01	6.55E+00	--	1.31E-03	--	1.51E-05	7.67E-05	1.74E-10	7.45E-05	1.72E-03	2.51E-04	1.29E-03	4.10E-05
RF	RF032.01-S	209.25	9.26E-01	--	6.13E-01	1.78E-15	7.46E+03	1.19E+03	--	1.50E-01	--	2.71E-03	5.22E-03	3.17E-08	1.33E-02	1.17E-01	3.99E-02	2.34E-01	6.18E-07
RF	RF033.01-S	25.58	6.69E-02	--	4.28E-02	1.97E-16	6.91E+02	1.09E+02	--	1.82E-02	--	1.89E-04	5.80E-04	2.92E-09	9.30E-04	1.30E-02	3.70E-03	2.16E-02	6.00E-05
RF	RF036.01-S	44.1	2.97E-02	5.08E-05	1.90E-02	7.69E-17	2.29E+02	3.62E+01	--	8.11E-03	--	8.39E-05	3.26E-04	9.65E-10	4.13E-04	7.35E-03	1.33E-03	7.14E-03	2.98E-03
RF	RF101.01-S	174.96	1.84E-01	6.59E-04	1.18E-01	4.60E-16	1.46E+03	2.32E+02	--	4.57E-02	--	5.21E-04	3.15E-03	6.18E-09	2.56E-03	7.07E-02	9.15E-03	4.57E-02	8.53E-04
RF	RF101.29-S	30.39	1.63E-02	--	1.04E-02	4.38E-17	1.35E+02	2.14E+01	--	4.20E-03	--	4.61E-05	3.69E-04	5.69E-10	2.27E-04	8.29E-03	9.03E-04	4.21E-03	2.04E-04
RF	RF101.30-S	117.41	1.47E-01	1.96E-04	9.59E-02	2.20E-16	7.61E+02	1.21E+02	--	2.52E-02	--	4.24E-04	1.36E-03	3.23E-09	2.08E-03	3.05E-02	4.59E-03	2.39E-02	1.85E-04
RF	RF101.31-S	62.53	3.02E-02	8.51E-06	1.94E-02	6.00E-17	2.02E+02	3.26E+01	--	8.18E-03	--	8.59E-05	4.23E-04	8.70E-10	4.22E-04	9.48E-03	1.26E-03	6.42E-03	8.29E-05
RF	RF101.35-S	79.56	1.03E-01	--	6.72E-02	1.69E-16	5.52E+02	8.75E+01	--	2.07E-02	--	2.97E-04	4.20E-03	2.33E-09	1.46E-03	9.43E-02	5.66E-03	1.72E-02	2.19E-04
RF	RF102.01-S	223.63	7.83E-02	1.24E-04	5.08E-02	1.69E-16	4.96E+02	8.01E+01	--	1.76E-02	--	2.24E-04	6.65E-04	2.14E-09	1.10E-03	1.49E-02	2.78E-03	1.58E-02	3.99E-04
RF	RF102.31-S	124.09	5.82E-02	1.20E-05	3.79E-02	7.81E-17	2.38E+02	3.82E+01	--	8.38E-03	--	1.68E-04	5.73E-04	1.02E-09	8.24E-04	1.29E-02	1.54E-03	7.52E-03	2.14E-03
RF	RF104.01-S	54.38	5.23E-02	1.42E-04	3.41E-02	9.19E-17	3.54E+02	5.66E+01	--	9.29E-03	--	1.51E-04	2.99E-04	1.51E-09	7.41E-04	6.71E-03	1.92E-03	1.11E-02	1.40E-04
RF	RF107.01-S	63.44	8.39E-01	--	5.52E-01	5.40E-17	1.65E+02	2.60E+01	--	5.74E-03	--	2.43E-03	9.26E-04	6.91E-10	1.20E-02	2.12E-02	1.99E-03	5.11E-03	5.98E-02
RF	RF107.03-S	60.94	5.89E-03	--	3.85E-03	6.62E-18	2.00E+01	3.16E+00	--	7.01E-04	--	1.70E-05	3.63E-03	8.42E-11	8.36E-05	8.64E-02	9.23E-03	6.22E-04	6.86E-01
RF	RF107.04-S	110.31	2.33E-02	--	1.53E-02	2.36E-17	7.20E+01	1.13E+01	--	2.50E-03	--	6.74E-05	1.64E-04	3.02E-10	3.32E-04	3.79E-03	5.95E-04	2.23E-03	1.54E-02
RF	RF107.05-S	4.37	2.67E-03	--	1.71E-03	5.81E-18	1.77E+01	2.78E+00	--	6.16E-04	--	7.53E-06	4.49E-04	7.41E-11	3.70E-05	1.01E-02	4.12E-04	5.48E-04	2.81E-06
RF	RF107.06-S	14.35	3.09E-04	--	1.94E-04	8.65E-19	2.64E+00	4.16E-01	--	9.18E-05	--	8.57E-07	1.10E-04	1.11E-11	4.21E-06	2.62E-03	2.77E-04	8.19E-05	2.01E-02
RF	RF107.07-S	58.88	1.32E-01	1.06E-03	8.61E-02	2.10E-16	6.27E+02	9.92E+01	--	2.21E-02	--	3.80E-04	6.59E-03	2.64E-09	1.87E-03	1.48E-01	7.76E-03	1.95E-02	2.20E-03
RF	RF110.01-S	9.15	2.61E-02	1.07E-03	1.68E-02	3.54E-17	1.09E+02	1.72E+01	--	6.50E-03	--	7.42E-05	1.40E-04	4.58E-10	3.65E-04	3.14E-03	6.09E-04	3.39E-03	1.94E-04
RF	RF110.05-S	31.53	3.78E-02	--	2.41E-02	1.16E-16	3.99E+02	6.26E+01	--	1.02E-02	--	1.06E-04	5.54E-04	1.67E-09	5.23E-04	1.24E-02	2.29E-03	1.23E-02	1.67E-05
RF	RF113.01-S	0.42	3.82E-05	--	2.50E-05	1.04E-19	3.21E-01	5.05E-02	--	1.12E-05	--	1.10E-07	2.98E-07	1.35E-12	5.42E-07	6.69E-06	1.71E-06	9.95E-06	8.52E-12
RF	RF115.01-S	114.91	2.05E-01	--	1.32E-01	5.94E-16	2.19E+03	3.46E+02	--	4.89E-02	--	5.81E-04	1.74E-03	9.22E-09	2.86E-03	3.91E-02	1.17E-02	6.81E-02	6.25E-04
RF	RF116.01-S	3.95	8.16E-03	--	5.33E-03	1.45E-17	8.48E+01	1.33E+01	--	1.50E-03	--	2.35E-05	4.18E-05	3.55E-10	1.16E-04	9.38E-04	4.53E-04	2.63E-03	1.15E-09
RF	RF117.01-S	1.87	2.86E-03	--	1.84E-03	6.99E-18	2.11E+01	3.34E+00	--	7.23E-04	--	8.12E-06	8.41E-05	8.90E-11	3.99E-05	1.89E-03	1.60E-04	6.58E-04	4.16E-07
RF	RF118.01-S	1432.29	6.29E+00	7.82E-04	4.06E+00	2.37E-14	5.77E+04	1.05E+04	--	2.16E+00	--	1.79E-02	8.13E-02	2.81E-07	8.81E-02	1.82E+00	3.17E-01	2.08E+00	2.02E-04
RF	RF119.01-S	24.13	1.94E-02	--	1.25E-02	4.23E-17	1.27E+02	2.03E+01	--	4.42E-03	--	5.51E-05	1.40E-04	5.41E-10	2.71E-04	3.15E-03	6.96E-04	4.00E-03	2.13E-04

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF121.01-S	45.97	1.09E-01	--	6.93E-02	3.65E-16	1.71E+03	2.77E+02	--	3.03E-02	--	3.06E-04	1.07E-03	7.38E-09	1.50E-03	2.40E-02	9.14E-03	5.46E-02	2.04E-07
RF	RF122.01-S	35.57	1.06E-01	--	1.24E-01	3.57E-16	1.19E+03	1.94E+02	--	3.45E-02	--	5.46E-04	1.03E-03	5.16E-09	2.69E-03	2.30E-02	6.34E-03	3.82E-02	2.63E-08
RF	RF122.03-S	4.37	1.13E-02	--	7.62E-03	4.01E-18	1.23E+01	1.93E+00	--	4.26E-04	--	3.36E-05	4.18E-04	5.15E-11	1.65E-04	9.63E-03	6.71E-04	3.81E-04	3.39E-02
RF	RF122.04-S	54.08	1.07E-01	--	7.20E-02	4.58E-17	1.39E+02	2.20E+01	--	4.86E-03	--	3.17E-04	1.65E-03	5.85E-10	1.56E-03	3.88E-02	4.24E-03	4.33E-03	2.34E-01
RF	RF122.05-S	16.22	1.25E-03	--	8.02E-04	1.57E-18	4.72E+00	7.46E-01	--	1.66E-04	--	3.54E-06	8.98E-04	1.98E-11	1.74E-05	2.04E-02	1.07E-03	1.47E-04	3.90E-02
RF	RF122.06-S	7.28	2.33E-02	--	1.52E-02	5.69E-17	2.19E+02	3.50E+01	--	6.31E-03	--	6.71E-05	1.77E-04	9.33E-10	3.30E-04	3.99E-03	1.18E-03	6.90E-03	2.81E-04
RF	RF123.01-S	9.38	2.67E-02	--	1.71E-02	5.76E-17	2.62E+02	4.13E+01	--	4.93E-03	--	7.54E-05	1.81E-04	1.10E-09	3.71E-04	4.05E-03	1.41E-03	8.14E-03	1.03E-07
RF	RF123.02-S	0.83	9.51E-06	--	5.98E-06	2.40E-20	7.19E-02	1.14E-02	--	2.53E-06	--	2.64E-08	1.10E-05	3.02E-13	1.30E-07	2.62E-04	2.73E-05	2.24E-06	2.10E-03
RF	RF123.03-S	12.06	1.06E-01	--	7.01E-02	5.88E-17	1.78E+02	2.81E+01	--	6.25E-03	--	3.10E-04	1.75E-04	7.49E-10	1.52E-03	3.94E-03	9.69E-04	5.54E-03	1.47E-03
RF	RF123.04-S	44.51	8.90E-02	--	5.69E-02	2.32E-16	6.98E+02	1.10E+02	--	2.47E-02	--	2.51E-04	6.96E-04	2.94E-09	1.23E-03	1.56E-02	3.75E-03	2.17E-02	2.61E-04
RF	RF124.01-S	94.24	2.65E-02	2.81E-06	1.82E-02	6.43E-17	2.14E+02	3.34E+01	--	6.53E-03	--	8.03E-05	4.94E-04	8.90E-10	3.95E-04	1.11E-02	1.27E-03	6.58E-03	1.42E-04
RF	RF124.02-S	13.31	7.04E-03	--	4.58E-03	1.82E-17	5.77E+01	8.96E+00	--	1.82E-03	--	2.02E-05	6.62E-05	2.39E-10	9.94E-05	1.48E-03	3.18E-04	1.77E-03	8.92E-08
RF	RF125.01-S	14.39	8.18E-02	--	5.65E-02	8.84E-17	3.34E+02	5.25E+01	--	7.59E-03	--	2.49E-04	6.35E-04	1.40E-09	1.23E-03	1.43E-02	2.07E-03	1.03E-02	6.28E-04
RF	RF126.01-S	1.04	2.33E-03	--	1.47E-03	8.61E-18	3.35E+01	5.10E+00	--	5.39E-04	--	6.51E-06	2.63E-05	1.36E-10	3.20E-05	5.90E-04	1.80E-04	1.00E-03	1.18E-08
RF	RF126.04-S	2.08	5.11E-03	--	3.25E-03	1.42E-17	6.12E+01	9.58E+00	--	1.26E-03	--	1.43E-05	4.63E-05	2.55E-10	7.04E-05	1.04E-03	3.30E-04	1.89E-03	3.24E-08
RF	RF128.01-S	198.22	5.00E-01	--	3.19E-01	2.14E-15	7.36E+03	1.21E+03	--	1.49E-01	--	1.41E-03	6.21E-03	3.23E-08	6.93E-03	1.39E-01	3.93E-02	2.39E-01	1.43E-07
RF	RF129.01-S	467.76	1.31E-01	6.40E-05	8.46E-02	2.58E-16	7.51E+02	1.22E+02	--	2.69E-02	2.33E-17	3.73E-04	2.44E-03	3.25E-09	1.84E-03	5.48E-02	5.38E-03	2.40E-02	6.21E-04
RF	RF129.05-S	448.33	1.52E-01	2.14E-04	1.06E-01	2.33E-16	6.50E+02	1.06E+02	--	2.45E-02	--	4.69E-04	9.16E-04	2.83E-09	2.31E-03	2.06E-02	3.65E-03	2.10E-02	6.32E-05
RF	RF130.01-S	38.59	1.16E-01	--	8.18E-02	1.42E-16	4.29E+02	6.78E+01	--	1.51E-02	3.29E-13	3.61E-04	2.18E-03	6.36E-09	1.78E-03	4.88E-02	3.87E-03	1.33E-02	2.29E-03
RF	RF134.02-S	11.34	1.19E-04	--	7.48E-05	2.62E-19	8.01E-01	1.26E-01	--	2.80E-05	--	3.30E-07	7.47E-07	3.36E-12	1.62E-06	1.68E-05	4.27E-06	2.49E-05	2.13E-11
RF	RF135.01-S	2.29	1.76E-03	--	1.17E-03	9.25E-19	2.87E+00	4.50E-01	--	9.93E-05	--	5.18E-06	1.77E-05	1.20E-11	2.55E-05	4.17E-04	5.25E-05	8.87E-05	2.89E-03
RF	RF135.02-S	10.4	7.91E-04	--	5.11E-04	1.75E-18	5.34E+00	8.41E-01	--	1.86E-04	--	2.25E-06	1.86E-04	2.24E-11	1.11E-05	4.17E-03	1.61E-04	1.66E-04	1.17E-06
RF	RF137.01-S	0.42	1.20E-04	--	7.94E-05	1.88E-19	5.90E-01	9.25E-02	--	2.03E-05	--	3.50E-07	5.37E-07	2.46E-12	1.72E-06	1.20E-05	3.15E-06	1.82E-05	1.55E-11
RF	RF139.01-S	11.65	1.17E-01	--	7.80E-02	9.40E-18	2.90E+01	4.55E+00	--	1.00E-03	--	3.44E-04	1.38E-04	1.21E-10	1.69E-03	3.19E-03	3.54E-04	8.96E-04	1.30E-02
RF	RF140.01-S	172.16	3.06E-02	8.48E-06	1.96E-02	7.68E-17	2.14E+02	3.52E+01	--	8.05E-03	--	8.66E-05	2.24E-04	9.39E-10	4.26E-04	5.04E-03	1.15E-03	6.94E-03	4.12E-08
RF	RF141.01-S	45.55	1.01E-01	--	6.40E-02	4.08E-16	1.57E+03	2.50E+02	--	2.78E-02	--	2.82E-04	1.29E-02	6.66E-09	1.39E-03	2.88E-01	1.70E-02	4.93E-02	7.58E-05
RF	RF141.02-S	175.97	6.82E-01	--	6.76E-01	1.59E-15	6.43E+03	1.04E+03	--	1.51E-01	--	2.99E-03	1.74E-02	2.77E-08	1.47E-02	3.90E-01	4.37E-02	2.05E-01	8.33E-05
RL	RL105-01	161.63	2.01E-02	8.05E-02	6.92E-02	8.04E-12	1.76E+01	6.89E+00	--	4.14E-03	--	3.05E-04	5.34E-04	6.88E-10	1.50E-03	1.21E-02	5.48E-04	3.39E-03	1.13E-02
RL	RL105-03	67.18	1.07E-02	--	1.16E-02	1.49E-17	1.11E+01	4.13E+00	--	3.35E-03	--	5.12E-05	1.09E-03	1.10E-10	2.52E-04	2.47E-02	9.05E-04	8.12E-04	1.80E-02
RL	RL200-01	151.97	4.65E-02	--	2.94E-02	9.94E-17	5.78E+01	2.21E+01	--	1.51E-03	2.64E-10	1.30E-04	2.77E-04	5.88E-10	6.38E-04	6.21E-03	3.08E-04	4.35E-03	1.15E-09
RL	RL200-02	55.95	5.60E-03	--	3.59E-03	1.01E-18	2.39E+00	6.54E-01	--	1.95E-04	--	3.15E-05	1.09E-05	2.24E-06	1.19E-04	2.29E-04	1.82E-05	1.37E-04	1.54E-04
RL	RL201-01	11.65	8.88E-03	--	5.81E-03	--	1.60E+00	2.67E-01	--	--	--	2.57E-05	2.33E-06	7.16E-12	1.26E-04	1.04E-04	8.55E-06	5.28E-05	7.32E-03
RL	RL202S-01	1.04	1.62E-05	--	1.07E-05	2.12E-20	6.59E-02	1.08E-02	--	8.36E-07	--	4.75E-08	6.23E-08	2.87E-13	2.33E-07	1.40E-06	3.52E-07	2.12E-06	6.38E-13
RL	RL209E-01	82.44	1.73E-01	--	1.17E-01	4.82E-16	5.99E+02	1.48E+02	--	3.67E-02	--	5.20E-04	2.16E-03	3.97E-09	2.55E-03	4.84E-02	3.72E-03	2.93E-02	1.31E-03
RL	RL216Z-02	310.71	9.70E-01	--	6.15E-01	2.73E-15	2.84E+03	6.75E+02	--	5.50E-02	--	2.71E-03	7.71E-03	1.80E-08	1.33E-02	1.73E-01	1.51E-02	1.33E-01	4.19E-08
RL	RL221T-01	6.66	6.27E-07	--	4.11E-07	2.44E-21	1.82E-03	6.97E-04	--	4.75E-08	--	1.83E-09	8.78E-09	1.88E-14	8.98E-09	1.96E-07	9.76E-09	1.38E-07	3.64E-14
RL	RL221U-01	2.1	1.60E-07	--	1.08E-07	2.50E-21	5.16E-04	3.32E-05	--	--	--	2.19E-09	1.93E-05	1.26E-11	6.84E-09	4.33E-04	1.45E-05	5.05E-05	3.18E-04
RL	RL222S-01	133.04	7.52E-03	5.25E-05	7.30E-03	6.67E-18	4.12E+00	1.46E+00	--	1.01E-04	--	2.64E-02	2.39E-05	5.50E-07	6.96E-02	6.42E-04	2.25E-05	2.88E-04	1.49E-02
RL	RL231Z-01	1535.91	1.13E-01	3.52E-03	9.86E-02	3.91E-16	5.60E+02	1.02E+02	--	2.10E-02	--	4.37E-04	5.48E-03	2.72E-09	2.15E-03	1.23E-01	5.57E-03	2.01E-02	1.61E-02
RL	RL231Z-03	1.46	1.50E-07	--	9.86E-08	3.14E-22	2.25E-04	8.61E-05	--	5.88E-09	--	4.39E-10	1.09E-09	2.32E-15	2.15E-09	2.43E-08	1.21E-09	1.71E-08	4.50E-15
RL	RL233S-01	67.69	1.29E-02	--	2.31E-02	4.00E-17	4.61E+01	1.02E+01	--	5.08E-03	--	1.02E-04	1.25E-04	2.70E-10	5.02E-04	2.81E-03	2.55E-04	2.00E-03	1.40E-04
RL	RL233S-03	4.78	1.47E-04	--	4.22E-04	6.78E-19	3.56E-01	1.02E-01	--	1.41E-04	--	1.86E-06	1.87E-06	2.71E-12	9.14E-06	4.20E-05	1.90E-06	2.01E-05	1.07E-10
RL	RL2718-01	0.62	2.80E-04	--	1.81E-04	6.30E-19	4.62E-01	1.75E-01	--	1.08E-05	--	8.05E-07	1.99E-06	4.68E-12	3.95E-06	4.46E-05	2.47E-06	3.45E-05	8.27E-12
RL	RL300-01	194.73	1.65E-01	3.82E-03	1.13E-01	6.11E-16	4.88E+02	1.52E+02	--	4.87E-02	--	4.96E-04	6.98E-03	3.96E-04	2.44E-03	1.58E-01	8.72E-03	2.99E-02	1.10E-01
RL	RL300-03	2.08	3.03E-03	--	1.95E-03	1.02E-17	8.42E+00	3.01E+00	--	9.31E-04	--	8.61E-06	3.35E-05	8.00E-11	4.24E-05	7.53E-04	4.89E-05	5.92E-04	5.94E-05
RL	RL308-01	604.29	8.11E+00	1.14E-03	5.15E+00	3.62E-14	8.64E+03	3.81E+03	3.36E-07	6.10E+00	--	5.21E-02	1.06E-01	5.87E-04	1.89E-01	2.39E+00	6.07E-02	7.49E-01	2.14E-01

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL325-01	1373.4	9.89E-01	4.09E-01	9.09E-01	6.90E-15	2.03E+03	5.67E+02	7.87E-06	2.78E-01	--	2.43E-02	3.77E-02	3.19E-03	7.32E-02	8.47E-01	2.53E-02	1.12E-01	1.51E-01
RL	RL325-03	4.37	3.99E-03	--	4.69E-03	4.70E-18	7.12E+00	1.45E+00	--	2.43E-04	--	2.07E-05	9.81E-05	3.86E-11	1.02E-04	2.21E-03	1.02E-04	2.85E-04	9.32E-04
RL	RLARG-01	5.62	6.65E-03	--	4.34E-03	1.45E-17	9.91E+00	3.79E+00	--	2.59E-04	--	4.02E-01	4.77E-05	6.60E-04	1.06E+00	1.07E-03	5.31E-05	7.50E-04	1.98E-10
RL	RLBART-01	0.62	1.36E-09	--	8.78E-10	--	--	--	--	--	--	3.90E-12	--	--	1.91E-11	--	--	--	--
RL	RLBAT-01	44.76	4.86E-03	2.15E-06	4.24E-03	5.51E-16	7.22E+00	2.77E+00	--	2.00E-04	--	1.88E-05	1.94E-03	4.75E-06	9.24E-05	4.35E-02	1.57E-04	5.47E-04	3.91E-04
RL	RLBET-01	0.42	2.29E-06	--	1.47E-06	1.26E-20	8.71E-03	3.33E-03	--	2.25E-07	--	6.52E-09	4.18E-08	8.95E-14	3.20E-08	9.34E-07	8.03E-06	6.59E-07	1.72E-13
RL	RLBW-01	405.26	2.85E-01	3.00E-05	1.85E-01	9.46E-16	7.96E+02	2.57E+02	--	7.74E-02	--	2.84E-02	3.48E-03	6.84E-09	7.68E-02	7.83E-02	4.77E-03	5.06E-02	1.18E-02
RL	RLBW-03	0.83	1.13E-03	--	7.38E-04	4.15E-18	2.58E+00	9.51E-01	--	3.22E-04	--	3.25E-06	1.54E-05	2.53E-11	1.60E-05	3.46E-04	1.68E-05	1.87E-04	4.47E-05
RL	RLCBWD.001-S	71.7	4.03E-02	--	2.63E-02	1.36E-16	1.10E+02	3.58E+01	--	1.05E-02	--	6.63E-03	5.02E-04	9.53E-10	1.77E-02	1.13E-02	6.69E-04	7.05E-03	1.49E-03
RL	RLCFF-01	10.82	6.86E-03	--	4.35E-03	1.95E-17	1.77E+01	6.09E+00	--	1.67E-03	--	1.92E-05	5.95E-05	4.50E-08	9.44E-05	1.34E-03	9.90E-05	1.20E-03	1.24E-04
RL	RLCFF-03	4.99	2.26E-03	--	1.48E-03	5.54E-18	6.23E+00	2.07E+00	--	4.44E-04	--	6.58E-06	2.03E-05	5.56E-11	3.23E-05	4.54E-04	3.57E-05	4.09E-04	4.90E-05
RL	RLCFFD.001-S	273.7	2.00E-01	--	1.27E-01	5.58E-16	5.18E+02	1.78E+02	--	4.61E-02	--	5.62E-04	1.74E-03	1.31E-06	2.76E-03	3.92E-02	2.90E-03	3.50E-02	2.99E-03
RL	RLCH2-01	0.21	3.05E-06	--	1.97E-06	--	--	--	--	--	--	8.69E-09	--	--	4.27E-08	--	--	--	--
RL	RLESG-01	49.89	1.53E-02	--	1.01E-02	3.30E-17	3.13E+01	9.66E+00	--	3.05E-03	--	4.48E-05	2.62E-03	1.39E-05	2.20E-04	5.88E-02	1.63E-03	1.90E-03	1.43E-03
RL	RLEXX-01	43.47	2.00E+00	2.05E-05	1.32E+00	5.77E-15	1.50E+03	9.01E+02	--	1.59E+00	--	5.88E-03	1.95E-02	2.42E-08	2.88E-02	4.36E-01	8.03E-03	1.79E-01	1.69E-05
RL	RLGEV-01	379.34	6.89E-02	--	4.60E-02	2.02E-16	1.92E+02	5.62E+01	--	1.51E-02	--	2.05E-04	4.77E-03	1.51E-09	1.00E-03	1.07E-01	3.35E-03	1.11E-02	5.29E-02
RL	RLHAN-01	154.73	5.73E-02	2.27E-04	3.82E-02	1.51E-16	8.88E+01	3.23E+01	8.77E-07	2.39E-03	--	5.61E-03	5.60E-04	1.69E-04	1.52E-02	1.26E-02	5.68E-04	6.36E-03	1.24E-03
RL	RLHMOX.001-S	193.86	3.49E+00	2.68E-04	2.62E+00	9.61E-15	6.71E+03	2.31E+03	--	1.94E+00	--	1.16E-02	6.06E-02	6.14E-08	5.70E-02	1.36E+00	8.42E-02	4.54E-01	5.96E-01
RL	RLIAEA-01	0.21	2.75E-04	--	1.87E-04	2.56E-18	1.95E-01	1.71E-01	--	4.25E-04	--	8.31E-07	8.36E-06	4.59E-12	4.07E-06	1.87E-04	1.04E-06	3.38E-05	3.25E-10
RL	RLM233SD.001-S	17.28	2.05E-03	--	5.38E-03	7.68E-18	1.02E+01	1.95E+00	--	7.88E-04	--	2.37E-05	2.25E-05	5.19E-11	1.17E-04	5.07E-04	5.54E-05	3.84E-04	1.34E-05
RL	RLM308D.001-S	67.07	7.33E-01	6.74E-04	4.86E-01	3.22E-15	8.37E+02	3.59E+02	--	5.74E-01	--	5.83E-03	1.13E-02	1.56E-04	2.03E-02	2.53E-01	6.22E-03	7.08E-02	2.50E-02
RL	RLM325D.001-S	2.08	1.29E-03	9.34E-05	8.53E-04	3.42E-18	2.77E+00	7.02E-01	--	2.78E-04	--	3.76E-06	6.02E-05	1.87E-11	1.85E-05	1.35E-03	6.24E-05	1.38E-04	4.54E-05
RL	RLMHASH.001-S	62.19	2.75E-01	--	1.76E-01	4.41E-16	2.11E+03	3.55E+02	--	8.10E-02	--	1.42E-03	1.28E-03	9.46E-09	5.53E-03	2.87E-02	1.13E-02	7.00E-02	6.18E-08
RL	RLMLB-01	0.42	3.01E-05	--	1.97E-05	6.43E-20	4.50E-02	8.21E-02	--	1.18E-06	--	8.77E-08	2.17E-07	2.21E-12	4.30E-07	4.85E-06	2.41E-07	1.63E-05	9.00E-13
RL	RLMLL-01	1.04	6.83E-05	--	4.55E-05	1.38E-19	1.04E-01	3.97E-02	--	2.71E-06	--	2.03E-07	5.01E-07	1.07E-12	9.92E-07	1.12E-05	5.57E-07	7.88E-06	2.08E-12
RL	RLMPDT.001-S	1678.3	1.43E+00	1.16E-03	1.04E+00	5.72E-15	5.84E+03	1.29E+03	5.64E-07	4.25E-01	--	1.33E-01	1.75E-02	3.42E-06	3.62E-01	3.94E-01	3.22E-02	2.55E-01	7.55E-03
RL	RLMPURX.001-S	117.89	2.64E-01	7.21E-05	1.67E-01	1.11E-15	8.50E+02	2.28E+02	--	9.81E-02	--	1.57E-02	3.15E-03	6.07E-09	4.32E-02	7.08E-02	4.55E-03	4.49E-02	2.62E-04
RL	RLMSSC.001-S	64.69	3.27E-01	--	2.07E-01	1.21E-15	2.41E+03	3.64E+02	--	7.18E-02	--	9.15E-04	3.49E-03	9.69E-09	4.50E-03	7.82E-02	1.29E-02	7.17E-02	3.93E-04
RL	RLMWARD.001-S	20.59	9.33E-03	--	6.08E-03	4.61E-17	8.95E+00	4.18E+00	--	5.47E-03	--	2.68E-05	2.77E-04	1.11E-10	1.32E-04	6.23E-03	1.61E-04	8.23E-04	1.02E-03
RL	RLNPDT.002-S	438.3	2.69E-01	2.17E-03	1.73E-01	1.14E-15	1.74E+03	2.82E+02	--	8.31E-02	--	7.63E-04	3.49E-03	6.96E-08	3.75E-03	7.83E-02	9.45E-03	5.55E-02	4.35E-04
RL	RLNPURX.001-S	38.82	1.31E-01	2.58E-05	8.23E-02	5.67E-16	3.56E+02	9.40E+01	--	4.97E-02	--	3.63E-04	1.63E-03	2.51E-09	1.79E-03	3.66E-02	1.90E-03	1.85E-02	3.79E-08
RL	RLPFP-01	12412.85	1.44E+01	4.69E-03	9.69E+00	5.81E-14	6.20E+04	1.37E+04	--	4.63E+00	--	1.12E+00	3.11E-01	4.92E-04	3.06E+00	7.00E+00	4.28E-01	2.69E+00	1.79E+00
RL	RLPFP-03	22.26	7.34E-02	--	4.77E-02	2.66E-16	2.85E+02	6.24E+01	--	2.15E-02	--	1.99E-03	1.80E-03	1.66E-09	5.72E-03	4.03E-02	1.66E-03	1.23E-02	1.11E-03
RL	RLPFP-04	3.74	9.06E-05	--	5.73E-05	3.51E-19	7.41E-01	1.25E-01	--	1.79E-05	--	2.53E-07	9.77E-07	3.33E-12	1.24E-06	2.19E-05	3.95E-06	2.46E-05	1.37E-11
RL	RLPRC-01	2.1	5.37E-05	--	3.49E-05	1.83E-19	2.98E-01	5.15E-02	--	5.83E-06	--	1.55E-07	6.48E-07	1.04E-04	7.59E-07	1.45E-05	1.65E-06	1.02E-05	1.15E-06
RL	RLPURX-01	598.06	1.65E+00	2.51E-04	1.04E+00	7.05E-15	5.41E+03	1.41E+03	--	5.74E-01	--	5.53E-01	1.96E-02	3.76E-08	1.47E+00	4.41E-01	2.90E-02	2.78E-01	1.87E-03
RL	RLRFETS.001-S	63.86	2.29E-01	--	1.46E-01	4.58E-16	3.30E+03	3.72E+02	--	6.47E-02	--	3.43E-03	1.54E-03	9.91E-09	1.05E-02	3.47E-02	1.78E-02	7.33E-02	4.94E-08
RL	RLSWO-01	311.18	1.06E-01	1.72E-05	6.96E-02	2.78E-16	4.08E+02	9.02E+01	--	2.00E-02	--	1.01E-02	9.74E-04	2.40E-09	2.74E-02	2.19E-02	2.34E-03	1.77E-02	9.17E-04
RL	RLSWOCD.001-S	5.82	1.81E-03	--	1.16E-03	6.04E-18	9.33E+00	1.94E+00	--	3.31E-04	--	5.10E-06	1.85E-05	5.15E-11	2.51E-05	4.16E-04	5.12E-05	3.81E-04	1.54E-08
RL	RLVIPAC.001-S	154.98	1.30E-01	1.06E-05	8.57E-02	8.86E-16	8.46E+02	1.76E+02	--	8.74E-02	--	6.13E-03	2.54E-02	4.67E-09	1.70E-02	5.73E-01	1.82E-02	3.46E-02	2.62E-01
RL	RLWAR-01	716.89	2.21E-01	--	1.44E-01	1.12E-15	2.14E+02	9.97E+01	--	1.33E-01	--	6.32E-04	6.52E-03	2.65E-09	3.11E-03	1.47E-01	3.81E-03	1.96E-02	1.41E-02
RL	RLWAR-03	2.5	2.03E-03	--	1.33E-03	9.62E-18	1.73E+00	7.39E-01	--	9.88E-04	--	5.87E-06	2.65E-05	1.97E-11	2.89E-05	5.96E-04	9.22E-06	1.46E-04	7.52E-10
SA	SA-T001	6.37	3.35E-04	--	2.37E-04	1.28E-18	3.09E+00	1.24E-02	--	--	--	1.05E-06	3.93E-06	4.65E-03	5.15E-06	8.81E-05	1.65E-05	2.45E-06	--
SA	SA-W134	14.14	3.11E-03	9.52E-07	1.64E-02	3.22E-15	7.23E-01	6.82E-02	--	1.06E-09	--	7.61E-04	1.71E-04	1.82E-12	2.17E-03	3.84E-03	2.29E-04	1.34E-05	4.09E-04
SA	SA-W134M	2.08	6.54E-05	4.96E-10	5.11E-05	1.72E-18	5.24E-02	1.28E-02	--	5.55E-13	--	1.66E-03	2.00E-04	3.42E-13	4.37E-03	4.49E-03	4.75E-05	2.53E-06	6.24E-05
SA	SA-W136	25.62	3.16E-04	--	1.95E-04	4.91E-18	1.27E+01	1.97E+00	--	3.86E-04	--	8.61E-07	1.37E-05	5.24E-11	4.24E-06	3.07E-04	6.75E-05	3.88E-04	2.94E-10

Table B 9. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR2001.001.00-S	61.15	5.43E-04	--	3.42E-04	6.13E-18	8.35E+00	1.13E+00	--	1.92E-04	--	1.51E-06	1.78E-05	3.00E-11	7.42E-06	3.98E-04	4.46E-05	2.22E-04	1.46E-10
SR	SR2002.002.00-S	69.89	1.79E-03	--	1.13E-03	2.66E-18	9.82E+00	1.54E+00	--	3.54E-04	--	3.29E-02	7.65E-06	4.10E-11	8.67E-02	1.72E-04	5.24E-05	3.03E-04	2.70E-10
SR	SR-BCLCH-MT01	11.34	1.29E-02	--	8.08E-03	2.13E-14	5.39E+01	9.58E+00	--	2.63E-03	--	3.57E-05	6.08E-02	2.55E-10	1.75E-04	1.37E+00	2.88E-04	1.89E-03	2.00E-09
SR	SR-SWMF-HET-A	731.23	5.96E-02	7.54E-02	7.86E-02	5.16E-15	3.33E+02	4.98E+01	--	1.16E+00	--	6.36E-04	5.47E-02	1.39E-09	2.47E-03	1.24E+00	1.94E-03	1.01E-02	1.37E+00
SR	SR-SWMF-SOIL	2.91	3.37E-02	3.06E+00	8.86E-04	2.29E-11	5.35E-01	1.78E+00	3.24E-02	2.04E-03	6.69E-11	3.78E-06	1.29E-04	4.81E-11	1.87E-05	2.87E-03	1.50E-06	3.54E-04	1.40E-09
SR	SR-T001-221H-HEPA	298.79	1.40E-03	--	1.20E-02	2.54E-15	1.00E+01	2.19E+00	--	7.54E-04	--	1.62E-02	8.39E-03	2.81E-10	4.27E-02	1.88E-01	1.23E-04	1.33E-03	4.86E-05
SR	SR-W026-221F-HEPA	1588.04	1.37E-01	--	8.68E-02	3.43E-15	1.03E+03	1.63E+02	--	1.01E-01	--	3.85E-04	1.09E-02	4.38E-09	1.89E-03	2.43E-01	5.51E-03	3.23E-02	1.02E-07
SR	SR-W026-221F-HET	867.37	7.61E-02	4.45E-04	4.95E-02	2.71E-12	3.24E+02	5.06E+01	1.87E-04	1.94E-01	--	3.14E-02	3.59E-03	1.38E-09	8.34E-02	8.06E-02	2.40E-03	1.01E-02	7.83E-04
SR	SR-W026-221F-HET-S	574.42	1.40E-01	3.49E-05	9.37E-02	1.82E-15	1.02E+03	1.93E+02	5.36E-06	3.87E-02	--	4.13E-04	1.16E-02	3.95E-05	2.03E-03	2.61E-01	7.17E-03	3.81E-02	1.29E-02
SR	SR-W026-221F-HOM	8.45	1.86E-04	--	1.19E-04	3.88E-18	2.23E+00	2.93E-01	--	6.05E-05	--	5.28E-07	1.24E-05	7.85E-12	2.59E-06	2.78E-04	1.20E-05	5.79E-05	1.24E-09
SR	SR-W026-772F-HET	501.86	3.13E-02	--	1.98E-01	4.91E-14	9.56E+01	1.65E+01	--	2.91E-02	--	1.68E-03	1.81E-01	7.14E-10	6.42E-03	4.07E+00	1.64E-03	4.36E-03	3.67E-03
SR	SR-W026-772F-HET-S	1419.83	7.56E-02	4.98E-04	1.82E-01	2.90E-14	2.85E+02	5.33E+01	2.03E-05	1.45E-02	--	2.83E-02	1.19E-01	4.55E-04	7.63E-02	2.67E+00	2.82E-03	1.05E-02	1.04E-03
SR	SR-W027-221F-HET	636.58	3.58E-01	--	2.26E-01	5.93E-15	1.57E+03	2.51E+02	--	1.36E-01	--	9.95E-04	1.69E-02	6.69E-09	4.89E-03	3.79E-01	8.40E-03	4.95E-02	4.82E-06
SR	SR-W027-221F-HETA-S	2110.05	3.35E-01	5.37E-05	2.21E-01	3.53E-15	1.75E+03	3.72E+02	8.51E-05	1.04E-01	--	5.71E-02	2.10E-02	1.07E-04	1.53E-01	4.72E-01	9.50E-03	7.33E-02	2.20E-03
SR	SR-W027-221F-HOM	3.33	3.22E-03	--	2.10E-03	4.59E-17	1.46E+01	2.32E+00	--	6.79E-04	--	9.36E-06	1.58E-04	6.25E-11	4.58E-05	3.52E-03	7.83E-05	4.60E-04	5.20E-10
SR	SR-W027-221H-HEPA	162.54	1.51E-03	--	1.90E-02	3.00E-14	4.92E+00	1.56E+00	--	2.48E-03	--	2.27E-04	8.37E-02	1.40E-10	7.90E-04	1.88E+00	5.71E-05	7.03E-04	1.34E-06
SR	SR-W027-221H-HET	2640	1.97E-01	4.77E-04	1.42E+01	2.60E-12	1.54E+03	3.55E+02	--	2.50E-01	--	6.79E-02	7.45E+00	3.33E-08	3.22E-01	1.67E+02	6.09E-02	1.66E-01	6.53E-03
SR	SR-W027-221H-HET-S	2885.74	1.19E-01	1.31E-02	6.46E-01	3.52E-13	1.43E+02	3.23E+01	4.33E-05	3.21E-02	--	2.55E-01	1.48E+00	4.93E-03	6.79E-01	3.33E+01	3.61E-03	6.37E-03	3.56E-03
SR	SR-W027-221H-HOM	1.04	2.22E-05	--	1.49E-05	7.55E-18	1.74E-01	6.14E-02	--	3.23E-05	--	6.64E-08	1.42E-04	1.90E-12	3.25E-07	3.18E-03	3.24E-05	1.31E-05	3.01E-06
SR	SR-W027-235F-HET	569.4	6.50E-02	--	1.70E+00	5.20E-13	8.07E+01	2.70E+01	--	1.22E-01	--	7.50E-03	1.46E+00	7.19E-10	3.69E-02	3.28E+01	4.64E-04	5.32E-03	6.02E-04
SR	SR-W027-235F-HET-S	394.57	1.96E-02	3.27E-05	5.81E-01	4.83E-14	1.98E+01	7.26E+00	8.89E-06	6.73E-03	--	2.56E-03	2.03E-01	4.29E-04	1.26E-02	4.57E+00	1.29E-03	1.43E-03	2.53E-04
SR	SR-W027-235F-HOMO	3.33	3.18E-04	--	2.04E-04	4.35E-15	5.24E-01	1.93E-01	--	3.86E-04	--	9.06E-07	1.37E-02	5.18E-12	4.45E-06	3.06E-01	2.81E-06	3.82E-05	2.95E-10
SR	SR-W027-773A-HET	4449.74	2.48E-01	1.23E+01	4.27E-01	1.03E-10	6.86E+02	1.16E+02	1.30E-01	7.82E-01	1.31E-08	1.74E-02	2.38E-01	4.54E-09	5.02E-02	5.35E+00	4.71E-03	2.86E-02	2.00E-03
SR	SR-W027-773A-HET-S	505.72	2.14E-02	2.49E-01	7.56E-02	3.66E-13	9.12E+01	1.49E+01	1.22E-03	2.83E-03	--	1.48E-03	7.04E-02	2.03E-04	4.66E-03	1.58E+00	7.78E-04	2.92E-03	4.06E-03
SR	SR-W027-999-AGNS-HET	45.87	6.88E-04	--	3.01E-03	9.28E-18	2.73E+00	5.56E-01	--	1.15E-04	--	1.34E-05	4.09E-05	2.44E-11	6.57E-05	9.15E-04	2.28E-05	1.48E-04	1.20E-07
SR	SR-W027-999-AGNS-HOM	3.33	6.46E-04	--	2.13E-03	9.44E-18	3.00E+00	4.77E-01	--	1.40E-04	--	9.48E-06	4.23E-05	1.29E-11	4.64E-05	9.46E-04	2.71E-05	9.46E-05	2.37E-04
SR	SR-W027-999-LASL-HET	124.8	2.74E-02	--	1.82E-02	1.48E-13	2.09E+01	8.79E+00	--	1.71E-02	--	8.11E-05	5.43E-01	2.37E-10	3.97E-04	1.21E+01	1.12E-04	1.74E-03	1.31E-08
SR	SR-W027-999-LASL-HOM	18.72	8.80E-03	--	5.83E-03	6.71E-14	9.42E+00	3.68E+00	--	7.27E-03	--	2.60E-05	2.46E-01	9.95E-11	1.27E-04	5.48E+00	5.06E-05	7.31E-04	5.57E-09
SR	SR-W027-999-MD-HET	8974.57	2.74E-01	--	1.82E-01	2.72E-11	6.46E+02	2.34E+02	--	4.50E-01	1.25E-12	2.89E-02	1.58E+01	6.33E-09	7.76E-02	3.53E+02	3.87E-03	4.65E-02	8.76E-03
SR	SR-W027-999-MD-HOM-A	2.7	3.49E-05	--	1.13E-04	5.65E-16	6.02E-02	3.26E-03	--	--	--	5.05E-07	2.06E-03	8.79E-14	2.47E-06	4.61E-02	1.40E-06	6.47E-07	--
SR	SR-W027-999-MD-HOM-B	22.64	1.40E-06	--	1.39E-06	1.18E-18	--	--	--	--	--	6.20E-09	4.13E-06	--	3.04E-08	9.23E-05	--	--	--
SR	SR-W027-999-MD-HOM-C	3.01	6.34E-07	--	4.24E-07	2.84E-13	2.06E-04	--	--	1.02E-07	--	1.89E-09	1.20E-05	--	9.25E-09	2.68E-04	1.10E-09	--	7.83E-14
SR	SR-W027-999-MD-SOIL	482.01	2.16E-05	--	2.21E-04	3.80E-13	7.79E-01	--	--	1.37E-07	--	9.83E-07	5.26E-04	--	4.81E-06	1.17E-02	4.18E-06	--	1.05E-13
SR	SR-W027-FB-PRE86-C-S	2565.65	3.73E-01	9.78E-05	2.93E-01	1.74E-15	2.57E+03	4.16E+02	1.71E-04	1.87E-01	--	4.39E-03	1.00E-02	9.85E-05	1.45E-02	2.25E-01	1.39E-02	8.18E-02	9.44E-04
SR	SR-W027-HBL-Box-A	7856.75	3.00E-02	--	9.15E-01	3.47E-13	4.22E+01	1.55E+01	--	3.10E-02	--	4.06E-03	1.10E+00	4.16E-10	1.99E-02	2.46E+01	2.26E-04	3.07E-03	2.37E-08
SR	SR-W027-SRSG-HET	989.45	2.25E-01	2.30E-04	2.33E-01	5.24E-14	1.89E+02	3.02E+01	2.35E-05	1.13E-02	--	1.16E-03	7.47E-02	1.59E-09	5.39E-03	1.67E+00	1.27E-03	9.08E-03	8.73E-05
SR	SR-W027-SRSG-HOM	66.94	1.18E-02	1.22E-02	3.21E-01	4.19E-14	1.16E+02	1.07E+01	1.73E-03	1.33E+00	--	4.87E-01	1.69E-01	2.53E-09	1.28E+00	3.77E+00	3.00E-03	1.11E-02	1.42E-01
Total		168485	1.63E+02	4.49E+01	1.34E+02	5.73E-09	4.41E+05	8.47E+04	3.18E+00	7.40E+01	3.53E-04	6.37E+01	3.71E+01	2.75E-01	1.56E+02	8.20E+02	6.76E+00	1.79E+01	2.71E+01

Table B 10. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	2151.31	6.27E-02	3.56E-04	7.00E-02	9.08E-16	2.73E+02	4.05E+01	--	--	--	1.55E-03	3.25E-03	1.09E-09	4.77E-03	7.25E-02	4.26E-03	8.04E-03	1.10E-03
AW	AW-T031.1322	114.51	8.50E-03	5.94E-04	8.52E-03	1.97E-12	3.14E+02	2.04E+01	--	9.62E-04	--	3.79E-05	8.62E-02	9.02E-09	1.86E-04	1.94E+00	8.93E-03	3.81E-02	1.02E-02
AW	AW-W026	0.89	3.89E-05	--	2.54E-05	--	1.91E-02	--	--	--	--	1.13E-07	9.82E-11	--	5.53E-07	4.39E-09	2.38E-06	--	3.09E-07
AW	AW-W028	79.83	--	--	--	--	1.68E+00	6.00E-02	--	--	--	--	1.71E-08	1.60E-12	--	7.65E-07	1.09E-04	1.18E-05	5.39E-05
AW	AW-W046	40.8	2.31E-03	--	2.37E-03	4.13E-17	4.04E+00	1.74E+00	--	6.86E-04	--	1.04E-05	1.29E-04	4.63E-11	5.14E-05	3.19E-03	1.12E-02	3.43E-04	4.33E-02
AW	AW-W047	22.57	--	--	--	--	8.06E-03	--	--	--	--	--	--	--	--	--	4.30E-08	--	--
BT	BT-T001	2.67	1.29E-03	1.22E-02	2.77E-02	1.12E-12	3.28E-01	2.48E-01	4.40E-07	2.96E-03	--	3.07E+00	5.48E-02	2.27E-03	8.04E+00	1.21E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	4.29E-04	4.05E-03	9.25E-03	3.74E-13	1.09E-01	8.28E-02	1.47E-07	9.88E-04	--	1.02E+00	1.83E-02	7.56E-04	2.68E+00	4.04E-01	2.22E-03	2.52E-02	1.54E-05
IN	ID-ANLE-S5000-S	88.11	7.39E-03	--	4.66E-03	4.68E-17	2.53E+01	9.07E+00	--	8.72E-01	--	2.83E-02	4.28E-03	2.41E-10	7.47E-02	9.61E-02	3.48E-03	1.79E-03	5.67E-04
IN	IN-AE-AGHC-01	95.23	1.76E-02	--	1.11E-02	1.16E-16	6.39E+01	2.28E+01	--	1.21E-02	--	4.90E-02	1.08E-02	6.06E-10	1.29E-01	2.43E-01	8.78E-03	4.49E-03	1.42E-03
IN	IN-AW-161	1.78	--	--	--	--	2.00E+00	2.88E-02	--	--	--	--	3.50E-11	7.72E-13	--	1.56E-09	1.21E-05	5.69E-06	1.10E-07
IN	IN-ID-BTO-030	1.78	1.70E-06	4.30E-04	7.26E-04	5.75E-14	5.43E-03	3.66E-03	--	5.96E-05	--	5.29E-02	1.06E-04	1.48E-05	1.39E-01	2.38E-03	7.98E-05	7.24E-07	4.56E-11
IN	IN-ID-INL-152	16.91	--	--	2.35E-05	--	5.59E+00	1.47E+00	--	--	--	2.45E-02	2.09E-07	4.06E-05	6.45E-02	9.34E-06	2.63E-03	2.90E-04	6.58E-04
IN	IN-INTEC-SFS-01	0.89	6.38E-04	--	4.13E-04	9.59E-18	2.09E-01	1.64E-01	--	9.97E-04	--	1.84E-06	3.34E-05	4.42E-12	9.00E-06	7.47E-04	9.72E-06	3.25E-05	7.64E-10
IN	IN-NRF-153	8.01	4.67E-06	--	3.01E-06	1.32E-18	2.80E-03	2.05E-03	--	1.15E-05	--	1.34E-08	4.56E-06	5.53E-14	6.57E-08	1.02E-04	4.74E-05	4.07E-07	8.82E-12
IN	IN-TRA-150	3.56	1.19E-02	--	7.83E-03	2.24E-16	--	--	--	--	--	3.47E-05	7.10E-04	--	1.70E-04	1.59E-02	--	--	--
IN	IN-TRA-157	4.45	4.93E-05	--	3.21E-05	8.19E-19	3.61E-03	3.21E-05	--	--	--	7.72E-04	3.01E-05	8.59E-16	2.03E-03	6.75E-04	1.93E-08	6.34E-09	--
IN	IN-W208.243	0.89	6.32E-03	--	4.10E-03	7.40E-18	3.68E+01	5.63E+00	--	6.88E-04	--	1.82E-05	2.38E-05	1.51E-10	8.93E-05	5.33E-04	2.31E-04	1.11E-03	5.26E-10
IN	IN-W216.876	15.13	2.43E-01	--	1.60E-01	6.06E-18	3.01E+01	4.64E+00	--	5.64E-04	--	7.09E-04	1.95E-05	1.24E-10	3.48E-03	4.36E-04	1.61E-04	9.17E-04	4.31E-10
IN	IN-W216.877	43.61	3.49E-01	--	2.30E-01	8.73E-18	4.34E+01	6.67E+00	--	8.13E-04	--	1.02E-03	2.81E-05	1.79E-10	5.01E-03	6.29E-04	2.32E-04	1.32E-03	6.21E-10
IN	IN-W228.884	8.9	2.13E-03	--	1.39E-03	2.85E-19	1.41E+00	2.16E-01	--	2.63E-05	--	6.19E-06	9.10E-07	5.80E-12	3.04E-05	2.04E-05	7.54E-06	4.28E-05	2.01E-11
IN	IN-W228.885	0.89	3.53E-05	--	2.32E-05	4.77E-21	2.35E-02	3.61E-03	--	4.38E-07	--	1.03E-07	1.52E-08	9.67E-14	5.05E-07	3.40E-07	1.26E-07	7.13E-07	3.35E-13
IN	IN-W228.886	21.36	2.55E-03	--	1.67E-03	3.42E-19	1.69E+00	2.59E-01	--	3.15E-05	--	7.43E-06	1.09E-06	6.94E-12	3.64E-05	2.44E-05	9.05E-06	5.12E-05	2.41E-11
IN	IN-W243.276	3.56	6.53E-04	--	4.18E-04	1.33E-18	6.59E+00	1.01E+00	--	1.23E-04	--	1.86E-06	4.25E-06	2.71E-11	9.10E-06	9.51E-05	3.75E-05	2.00E-04	1.52E-07
IN	IN-W243.277	1.78	1.31E-03	--	8.37E-04	2.66E-18	1.31E+01	2.02E+00	--	2.45E-04	--	3.71E-06	8.50E-06	5.42E-11	1.82E-05	1.90E-04	7.48E-05	4.00E-04	3.03E-07
IN	IN-W252.282	17.8	9.65E-03	--	6.16E-03	2.26E-17	1.12E+02	1.71E+01	--	2.08E-03	--	2.73E-05	7.21E-05	4.59E-10	1.34E-04	1.61E-03	5.98E-04	3.38E-03	1.59E-09
IN	IN-W254.1045	1.78	4.94E-04	--	3.14E-04	1.35E-18	6.67E+00	1.03E+00	--	1.25E-04	--	1.39E-06	4.31E-06	2.75E-11	6.83E-06	9.65E-05	3.57E-05	2.03E-04	9.54E-11
IN	IN-W294.343	8.9	2.00E-03	--	1.27E-03	4.90E-18	2.42E+01	3.72E+00	--	4.53E-04	--	5.65E-06	1.56E-05	9.98E-11	2.77E-05	3.50E-04	1.48E-04	7.36E-04	3.46E-10
IN	IN-W296.330	12.46	6.78E-04	--	4.71E-04	1.59E-18	7.85E+00	1.20E+00	--	1.47E-04	--	2.09E-06	5.07E-06	3.23E-11	1.03E-05	1.13E-04	4.34E-05	2.38E-04	1.12E-10
IN	IN-W296.331	12.46	2.27E-03	--	1.57E-03	5.30E-18	2.62E+01	4.02E+00	--	4.90E-04	--	6.98E-06	1.69E-05	1.08E-10	3.43E-05	3.79E-04	1.45E-04	7.95E-04	3.75E-10
IN	IN-W298.318	8.01	9.13E-03	--	5.87E-03	1.69E-17	8.31E+01	1.28E+01	--	1.56E-03	--	2.60E-05	5.39E-05	3.43E-10	1.28E-04	1.21E-03	4.45E-04	2.53E-03	1.20E-09
KA	KA-T001	381.47	5.15E-05	1.32E-04	3.46E-03	6.28E-17	2.64E-02	4.49E-03	1.30E-06	2.89E-05	6.90E-12	1.59E-05	1.04E-03	8.51E-10	7.67E-05	2.32E-02	2.90E-04	2.75E-03	1.27E-06
KA	KA-W016	39.02	5.27E-06	1.36E-05	3.54E-04	6.42E-18	2.70E-03	4.59E-04	1.33E-07	2.95E-06	7.06E-13	1.62E-06	1.06E-04	8.71E-11	7.84E-06	2.37E-03	2.97E-05	2.82E-04	1.30E-07
LA	LA-TA-00-03	0.89	--	--	--	--	1.07E+01	--	--	--	--	--	--	--	--	--	5.76E-05	--	--
LA	LA-TA-03-27	97.01	9.60E-04	--	6.19E-04	7.26E-18	2.01E+02	1.48E+00	--	1.51E-03	--	2.76E-06	1.02E-04	4.20E-11	1.35E-05	2.28E-03	1.04E-02	3.02E-04	4.09E-05
OR	OR-REDC-RH-HET	530.28	4.99E-04	4.45E-02	3.07E-04	3.63E-18	3.81E-01	6.10E-01	3.14E-05	1.23E-02	9.74E-08	1.36E-06	1.20E-05	1.64E-11	6.69E-06	2.68E-04	2.02E-06	1.21E-04	7.50E-09
OR	OR-TBD-RH-HET	266.45	7.80E-02	9.56E-01	7.20E-02	1.13E-15	2.55E+01	1.49E+01	4.02E-03	6.72E-02	2.05E-07	1.26E+01	3.84E-03	1.95E-03	3.30E+01	8.60E-02	1.53E-03	3.06E-03	5.98E-04
OR	OR-W213-RH-HET	158.56	1.85E-03	1.05E-03	6.79E-03	5.79E-18	2.31E+00	1.96E-03	--	1.46E-03	--	4.38E+00	1.92E-02	6.36E-02	5.04E+00	2.89E-01	4.37E-03	4.63E-03	5.54E-02
RL	RL105-07	97.9	2.94E-03	7.25E-06	2.11E-03	1.03E-14	3.46E+00	1.19E+00	--	2.55E-04	--	9.30E-06	4.34E-04	1.54E-05	4.57E-05	9.83E-03	4.59E-04	1.98E-03	1.08E-02
RL	RL105-09	347.99	2.59E-02	--	2.57E-02	4.04E-17	3.07E+01	1.15E+01	--	9.31E-03	--	1.14E-04	2.88E-03	2.40E-08	5.58E-04	6.49E-02	2.52E-03	9.75E-02	5.09E-02
RL	RL209E-08	0.89	9.28E-04	--	6.25E-04	2.66E-18	3.02E+00	7.16E-01	--	1.51E-04	--	2.78E-06	8.56E-06	1.92E-11	1.36E-05	1.92E-04	1.62E-05	1.42E-04	1.15E-10
RL	RL222S-08	3.56	2.85E-04	1.59E-02	1.18E-02	3.77E-19	5.54E+00	1.27E-01	--	5.68E-04	2.33E-06	1.66E-01	1.17E-06	3.38E-12	4.37E-01	2.91E-05	5.29E-05	2.50E-05	3.93E-04

Table B 10. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 7033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL325-08	224.28	1.53E-01	2.82E-01	4.11E-01	2.88E-15	5.79E+01	4.14E+01	--	9.47E-02	--	1.82E-03	8.34E-03	1.78E-07	8.94E-03	1.87E-01	1.46E-03	8.16E-03	3.53E-03
RL	RL325-09	0.89	7.67E-06	1.15E-05	4.89E-06	9.61E-21	2.48E-04	1.65E-03	--	1.98E-08	--	2.15E-08	2.65E-08	4.38E-14	1.06E-07	5.97E-07	1.42E-09	3.24E-07	5.00E-08
RL	RLBART-08	0.89	1.42E-04	--	9.44E-05	2.52E-24	2.92E-06	9.60E-07	--	4.68E-10	--	4.20E-07	8.59E-12	2.58E-17	2.06E-06	1.92E-10	1.57E-11	1.90E-10	3.59E-16
RL	RLBAT-08	6.23	2.05E-03	1.79E-02	1.21E-03	1.59E-12	4.18E-01	4.63E-01	1.60E-04	2.07E-03	--	5.32E-06	7.71E-05	3.20E-11	2.62E-05	1.73E-03	2.11E-05	1.70E-04	3.67E-04
RL	RLBW-08	1.78	1.09E-03	--	7.25E-04	4.26E-18	1.27E+00	5.15E-01	--	4.44E-04	--	3.19E-06	1.33E-05	1.37E-11	1.57E-05	2.99E-04	7.64E-06	1.01E-04	1.87E-05
RL	RLESG-08	29.37	1.82E-03	--	1.15E-03	4.02E-18	2.75E+00	9.93E-01	--	6.31E-05	--	5.09E-06	1.16E-05	2.65E-11	2.51E-05	2.59E-04	1.47E-05	1.96E-04	4.82E-11
RL	RLGEV-08	7.12	6.72E-03	--	4.31E-03	4.91E-17	3.92E+01	1.31E+01	--	2.23E-03	--	1.92E-05	1.65E-04	3.52E-10	9.40E-05	3.68E-03	2.10E-04	2.59E-03	1.71E-09
RL	RLPFP-08	19.58	1.15E-02	--	7.30E-03	4.29E-17	3.28E+01	7.83E+00	--	3.01E-03	--	3.22E-05	1.24E-04	2.08E-10	1.58E-04	2.79E-03	1.80E-04	1.54E-03	5.41E-06
RL	RLPURX-07	41.83	3.06E-01	--	2.02E-01	9.78E-16	9.40E+02	2.97E+02	--	6.81E-02	--	8.98E-04	3.41E-03	8.00E-09	4.40E-03	7.62E-02	5.05E-03	5.88E-02	5.22E-08
RL	RLSWO-08	27.59	8.16E-02	--	5.26E-02	7.04E-15	2.72E+00	1.81E+00	--	4.78E-03	--	2.32E-04	2.04E-02	4.83E-11	1.14E-03	4.58E-01	1.45E-05	3.57E-04	3.65E-09
RL	RLWTP-08	1777.74	1.17E-02	2.67E-03	3.10E-02	8.64E-18	2.10E+01	2.44E+00	--	2.82E-04	--	6.55E-02	5.12E-03	5.23E-10	1.73E-01	1.16E-01	5.05E-03	2.33E-03	1.10E-01
SA	SA-W135	6.23	9.10E-03	--	7.09E-03	3.16E-17	3.34E+00	3.41E-01	--	--	--	3.14E-05	5.33E-04	9.10E-12	1.54E-04	1.19E-02	7.65E-04	6.72E-05	2.49E-04
SR	SR-BCLRH-MT01	0.89	1.47E-03	1.19E-02	1.02E-03	1.09E-12	2.75E-01	3.05E-01	2.16E-04	1.53E-03	--	4.53E-06	7.76E-05	5.04E-11	2.23E-05	1.74E-03	1.43E-05	2.30E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	1.02E-05	8.27E-05	7.10E-06	7.58E-15	1.91E-03	2.12E-03	1.50E-06	1.06E-05	--	3.14E-08	5.39E-07	3.50E-13	1.54E-07	1.21E-05	9.92E-08	1.60E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	2.98E-04	--	1.91E-04	6.14E-18	1.01E-01	1.13E-01	--	--	--	8.50E-07	4.04E-05	2.85E-11	4.17E-06	9.07E-04	8.34E-06	1.25E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	1.02E-03	8.31E-03	7.15E-04	7.62E-13	1.92E-01	2.13E-01	1.51E-04	1.07E-03	--	3.16E-06	5.40E-05	3.53E-11	1.55E-05	1.21E-03	9.96E-06	1.61E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	3.06E-02	2.48E-01	2.14E-02	2.27E-11	5.74E+00	6.38E+00	4.51E-03	3.19E-02	--	9.45E-05	1.62E-03	1.05E-09	4.64E-04	3.63E-02	2.99E-04	4.81E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	2.09E-03	1.69E-02	1.46E-03	1.56E-12	3.92E-01	4.34E-01	3.09E-04	2.18E-03	--	6.45E-06	1.11E-04	7.19E-11	3.17E-05	2.49E-03	2.04E-05	3.29E-04	3.56E-04
SR	SR-BCLRH-T006	0.89	4.91E-04	3.98E-03	3.42E-04	3.65E-13	9.23E-02	1.02E-01	7.25E-05	5.12E-04	--	1.51E-06	2.59E-05	1.69E-11	7.44E-06	5.83E-04	4.80E-06	7.71E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	4.05E-06	3.28E-05	2.83E-06	3.02E-15	7.60E-04	8.45E-04	5.95E-07	4.21E-06	--	1.25E-08	2.14E-07	1.39E-13	6.15E-08	4.81E-06	3.96E-08	6.36E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	4.84E-05	3.92E-04	3.37E-05	3.61E-14	9.07E-03	1.01E-02	7.13E-06	5.03E-05	--	1.49E-07	2.56E-06	1.66E-12	7.33E-07	5.75E-05	4.73E-07	7.60E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	3.25E-04	2.64E-03	2.27E-04	2.43E-13	6.11E-02	6.79E-02	4.81E-05	3.39E-04	--	1.00E-06	1.73E-05	1.12E-11	4.93E-06	3.88E-04	3.17E-06	5.13E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	2.09E-03	4.35E-02	5.47E-03	9.24E-12	8.58E-03	1.51E-02	5.16E-04	1.35E-05	--	2.43E-05	1.45E-06	6.63E-13	1.19E-04	3.25E-05	7.50E-08	4.02E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	1.50E-05	--	9.62E-06	1.56E-19	9.18E-03	3.11E-05	--	--	--	4.25E-08	1.33E-06	8.29E-16	2.09E-07	2.99E-05	4.90E-08	6.13E-09	--
SR	SR-SWMF-HET-RH	1.78	6.86E-04	5.76E-02	9.89E-04	4.63E-13	4.09E-01	9.83E-02	6.11E-04	6.06E-05	1.26E-12	4.38E-06	1.49E-05	2.83E-12	2.15E-05	3.33E-04	3.49E-06	2.02E-05	2.84E-05
SR	SR-T003-773A-HET	104.06	8.07E-02	3.14E+00	2.21E-02	2.50E-11	1.95E+00	2.43E+00	4.77E-02	2.33E-03	4.25E-10	1.07E-04	2.90E-03	1.38E-10	5.05E-04	6.50E-02	3.24E-05	7.72E-04	9.32E-07
SR	SR-W027-221H-HET-RH	7.12	2.00E-04	--	1.95E+00	2.39E-15	3.88E-01	1.31E-01	--	2.53E-04	--	8.68E-03	8.21E-03	7.01E-12	4.25E-02	1.84E-01	1.01E-04	4.00E-05	4.44E-08
SR	SR-W027-SRSG-HET-RH	69.38	2.00E-02	1.20E-04	1.28E-02	1.66E-14	4.74E+01	1.94E+01	2.19E-04	5.46E-02	--	5.71E-05	5.82E-02	5.22E-10	2.80E-04	1.30E+00	2.54E-04	3.84E-03	6.82E-08
Total		7079	1.58E+00	4.87E+00	3.42E+00	6.67E-11	2.53E+03	5.83E+02	5.85E-02	1.26E+00	2.63E-06	2.14E+01	3.16E-01	6.86E-02	4.99E+01	6.92E+00	8.38E-02	3.61E-01	2.96E-01

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AECHDM-S	101.78	3.22E-03	7.34E-01	1.34E-01	--	6.43E+01	2.23E+01	3.21E-03	2.57E-02	2.16E-13	3.02E-02	8.73E-03	3.44E-09	4.59E-02	1.00E-01	2.23E-03	1.18E-02	4.41E-02
AE	AECHHM-S	13.86	1.53E-06	2.01E-03	4.66E-03	--	3.09E+01	5.69E+00	4.97E-09	1.99E-03	--	1.95E-04	5.96E-04	8.77E-10	2.00E-04	6.86E-03	4.60E-04	3.02E-03	2.69E-03
AE	AE-T001	511.88	2.10E-05	--	2.23E+00	--	3.50E+02	9.51E+01	--	2.20E-01	--	2.16E-01	3.93E-03	2.03E-04	3.89E-01	4.72E-02	1.32E-02	5.06E-02	1.63E-01
AE	AE-T003	23.32	5.35E-07	--	1.55E-02	--	2.17E+01	3.86E+00	--	3.07E-04	--	5.90E-03	3.89E-05	5.98E-10	9.79E-03	4.67E-04	3.24E-04	2.05E-03	1.67E-03
AE	MU-W002-S	4.5	7.29E-07	4.44E-04	5.26E-03	--	1.72E-02	--	--	--	--	5.05E-04	2.14E-08	--	2.25E-04	4.85E-07	1.96E-07	--	1.73E-05
AW	AW-N026.82	1.87	--	--	--	--	5.74E-03	--	--	--	--	--	--	--	--	--	6.59E-08	--	--
AW	AW-N027.531	31.79	1.14E-08	--	2.23E-05	--	7.76E+01	2.16E-01	--	7.74E-06	--	6.05E-06	4.27E-03	3.34E-11	1.02E-05	4.87E-02	9.56E-04	1.15E-04	2.46E-07
AW	AW-T033.1325	197.65	3.49E-05	6.72E+00	2.14E+00	--	5.36E+02	5.60E+01	--	4.56E-02	1.15E-05	4.03E+00	6.15E-02	4.30E-06	6.54E+00	7.03E-01	2.11E-02	3.31E-02	8.38E-03
AW	AW-W049	186.13	2.31E-05	--	4.46E-02	--	4.35E+01	1.43E+01	--	1.50E-02	--	6.75E-04	3.20E-04	2.21E-09	1.91E-03	3.66E-03	1.92E-03	7.60E-03	1.56E-05
BT	BT-T002	18.9	1.23E-07	1.57E-05	5.99E-05	--	5.59E-04	5.23E-04	1.21E-07	1.15E-05	6.73E-13	9.08E-07	2.01E-04	1.50E-10	2.57E-06	2.30E-03	2.65E-05	3.03E-04	1.22E-07
FR	FR-MOX-MT02	0.42	1.89E-13	--	3.73E-10	--	2.24E-07	6.16E-08	--	4.09E-09	--	5.67E-12	1.88E-11	9.55E-18	1.60E-11	2.15E-10	2.58E-12	3.28E-11	6.25E-15
FR	FR-MOX-T01	5.62	2.56E-12	--	5.04E-09	--	3.03E-06	8.32E-07	--	5.52E-08	--	7.66E-11	2.54E-10	1.29E-16	2.16E-10	2.90E-09	3.48E-11	4.43E-10	8.44E-14
IN	BN004-S	333.77	4.56E-05	--	2.59E-01	--	9.08E+02	9.49E+01	--	2.45E-02	--	1.48E-01	2.47E-03	1.46E-08	2.44E-01	2.83E-02	1.29E-02	5.03E-02	1.92E-03
IN	BN161-S	58.4	6.39E-06	--	1.29E-02	--	1.75E+02	1.85E+01	--	4.23E-03	--	1.95E-04	3.06E-04	2.84E-09	5.52E-04	3.49E-03	2.01E-03	9.78E-03	6.46E-09
IN	BN211-S	522.55	6.15E-05	2.00E-06	1.44E-01	--	1.55E+03	1.65E+02	--	3.92E-02	--	2.02E-02	2.97E-03	2.54E-08	3.53E-02	3.40E-02	1.84E-02	8.74E-02	4.66E-06
IN	BN243-S	149.97	4.90E-06	--	1.21E-02	--	8.86E+01	9.19E+00	--	2.60E-03	--	1.83E-04	2.52E-04	1.42E-09	5.17E-04	2.88E-03	1.26E-03	4.87E-03	3.97E-09
IN	BN252-S	178.73	2.67E-05	--	1.12E-01	--	8.52E+02	8.44E+01	--	2.61E-02	--	1.70E-03	1.28E-03	1.30E-08	4.81E-03	1.46E-02	1.00E-02	4.47E-02	3.98E-08
IN	BN296-S	474.38	8.12E-05	--	1.96E-01	--	1.33E+03	1.37E+02	--	3.93E-02	--	6.31E-03	2.73E-03	2.11E-08	1.38E-02	3.12E-02	1.02E+00	7.25E-02	6.75E-04
IN	BN304-S	304.57	6.49E-06	--	1.49E-02	--	2.28E+01	7.93E+00	--	1.91E-02	--	2.26E-04	4.77E-01	1.22E-09	6.39E-04	5.46E+00	3.05E-04	4.20E-03	2.39E-02
IN	BN510-S	4064.78	1.88E-04	--	4.22E-01	--	4.62E+03	4.60E+02	--	1.17E-01	--	1.66E-02	1.07E-01	7.09E-08	3.46E-02	1.23E+00	1.06E+00	2.44E-01	2.58E-02
IN	BN835-S	1028.34	4.39E-06	--	1.48E-02	--	2.55E+00	7.53E-01	--	2.16E-03	--	2.24E-04	5.33E-02	1.16E-10	6.33E-04	6.10E-01	2.93E-05	3.99E-04	2.14E-04
IN	BN836-S	1669.29	2.71E-07	--	2.69E-03	--	2.03E+00	6.38E-01	--	2.09E-03	--	4.08E-05	5.49E-02	9.84E-11	1.15E-04	6.28E-01	5.60E-05	3.38E-04	1.34E-05
IN	BNINW216-S	4466.68	3.13E-03	--	6.41E+00	--	1.28E+03	1.50E+02	--	2.25E-01	--	9.70E-02	2.27E-02	2.31E-08	2.75E-01	2.84E-01	4.63E-02	7.96E-02	1.81E+00
IN	BNINW218-S	449.19	4.74E-06	--	2.69E-01	--	3.36E+01	3.19E+00	--	1.33E-03	--	4.08E-03	1.67E-03	4.92E-10	1.15E-02	2.10E-02	2.17E-03	1.69E-03	1.42E-01
IN	ID-RF-BNL-ASH-S	0.21	1.88E-08	--	3.80E-05	--	5.48E-01	5.81E-02	--	1.32E-05	--	5.76E-07	7.60E-07	8.95E-12	1.63E-06	8.69E-06	6.29E-06	3.08E-05	2.02E-11
IN	ID-RF-S3114-S	274.41	1.86E-06	--	3.88E-03	--	2.87E+01	2.87E+00	--	7.86E-04	--	5.87E-05	1.70E-04	4.43E-10	1.66E-04	1.99E-03	3.67E-04	1.52E-03	2.77E-03
IN	ID-RF-S3150-A-S	201.71	5.01E-06	--	1.14E-02	--	1.14E+02	1.16E+01	--	2.78E-03	--	1.72E-04	4.81E-02	1.78E-09	4.87E-04	5.50E-01	1.41E-03	6.13E-03	1.84E-04
IN	ID-RF-S5100-A-S	615.72	1.74E-05	--	3.50E-02	--	4.38E+02	4.25E+01	--	1.03E-02	--	1.14E-03	7.72E-04	6.56E-09	2.49E-03	8.83E-03	5.07E-03	2.25E-02	4.52E-06
IN	ID-RF-S5126-S	231.85	2.15E-05	--	4.39E-02	--	6.31E+02	6.77E+01	--	1.76E-02	--	1.30E-01	2.36E-03	1.04E-08	2.11E-01	2.70E-02	7.25E-03	3.59E-02	1.59E-03
IN	ID-RF-S5300-A-S	2091.87	9.60E-06	6.68E-09	2.23E-02	--	1.62E+02	1.68E+01	--	5.05E-02	--	1.76E-01	2.14E-03	2.60E-09	2.85E-01	2.45E-02	2.46E-03	8.93E-03	8.56E-04
IN	ID-SDA-DEBRIS-S	33.49	3.65E-06	--	7.40E-03	--	8.38E+01	8.85E+00	--	2.25E-03	--	3.20E-03	6.46E-04	1.36E-09	5.30E-03	7.41E-03	1.11E-03	4.69E-03	2.07E-03
IN	IN-BN004	647.51	6.41E-05	--	3.34E-01	--	1.29E+03	1.34E+02	--	3.42E-02	--	5.06E-03	3.21E-03	2.06E-08	1.43E-02	3.67E-02	1.82E-02	7.10E-02	2.62E-05
IN	IN-BN222	265.5	1.95E-05	--	3.77E-02	--	4.79E+02	4.94E+01	--	1.54E-02	--	2.10E-01	1.66E-03	7.62E-09	3.39E-01	2.26E-02	6.47E-03	2.62E-02	2.63E-01
IN	IN-BN311	12.27	1.41E-05	--	2.72E-02	--	2.84E+02	2.91E+01	--	1.04E-02	--	2.86E-01	4.45E-04	4.49E-09	4.63E-01	5.15E-03	3.39E-03	1.54E-02	4.79E-03
IN	IN-BN409	16.43	1.38E-04	--	2.69E-01	--	8.35E+02	8.79E+01	--	1.84E-02	--	4.08E-03	1.50E-03	1.36E-08	1.15E-02	1.71E-02	9.57E-03	4.66E-02	2.81E-08
IN	IN-BN421	30.78	1.61E-05	--	3.11E-02	--	4.87E+02	5.12E+01	--	1.34E-02	--	1.59E-02	1.41E-03	7.90E-09	2.62E-02	1.61E-02	6.35E-03	2.72E-02	2.13E-03
IN	IN-BN432	67.39	1.74E-05	--	3.36E-02	--	4.24E+02	4.37E+01	--	1.53E-02	--	1.36E-01	6.29E-04	6.75E-09	2.21E-01	7.20E-03	5.06E-03	2.32E-02	6.94E-04
IN	IN-BN510	11223.71	4.69E-04	--	9.96E-01	--	1.17E+04	1.16E+03	--	2.87E-01	--	1.51E-02	5.16E-02	1.79E-07	4.27E-02	5.91E-01	1.49E-01	6.14E-01	6.27E-02
IN	IN-BN835	111.97	3.02E-07	--	1.08E-03	--	1.98E-01	5.80E-02	--	1.59E-04	--	1.64E-05	4.27E-03	8.93E-12	4.64E-05	4.89E-02	2.28E-06	3.07E-05	1.65E-05
IN	IN-BN836	240.6	8.77E-09	--	2.27E-04	--	4.67E-02	1.47E-02	--	4.80E-05	--	3.43E-06	1.27E-03	2.27E-12	9.70E-06	1.46E-02	3.66E-06	7.79E-06	1.26E-06
IN	IN-BNINW216	5484.89	2.63E-03	--	5.37E+00	--	1.08E+03	1.22E+02	--	1.10E-01	--	8.12E-02	1.55E-02	1.87E-08	2.30E-01	1.87E-01	3.86E-02	6.44E-02	6.80E-01
IN	IN-BNINW218	573.03	4.10E-06	--	1.34E-01	--	2.88E+01	2.67E+00	--	1.05E-03	--	2.03E-03	1.25E-03	4.12E-10	5.74E-03	1.60E-02	1.86E-03	1.42E-03	1.22E-01

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
IN	IN-GEM-01	7.28	3.46E-07	--	6.73E-04	--	1.19E+00	1.26E-01	--	1.84E-05	--	1.02E-05	1.09E-06	1.94E-11	2.88E-05	1.24E-05	1.36E-05	6.66E-05	2.81E-11
IN	IN-GEM-02	5.41	2.57E-07	--	5.00E-04	--	8.83E-01	9.34E-02	--	1.37E-05	--	7.58E-06	8.06E-07	1.44E-11	2.14E-05	9.22E-06	1.01E-05	4.95E-05	2.09E-11
IN	IN-ID-RF-S3114	3800.07	2.45E-05	--	5.09E-02	--	3.76E+02	3.77E+01	--	1.03E-02	--	7.70E-04	2.23E-03	5.80E-09	2.18E-03	2.60E-02	4.82E-03	2.00E-02	3.63E-02
IN	IN-ID-RF-S3150-A	56.13	1.39E-06	--	3.15E-03	--	3.16E+01	3.20E+00	--	7.72E-04	--	4.76E-05	1.33E-02	4.93E-10	1.35E-04	1.52E-01	3.89E-04	1.69E-03	5.10E-05
IN	IN-ID-RF-S5100-A	161.53	4.38E-06	--	8.79E-03	--	1.10E+02	1.07E+01	--	2.62E-03	--	2.86E-04	1.94E-04	1.64E-09	6.24E-04	2.21E-03	1.27E-03	5.65E-03	1.13E-06
IN	IN-ID-RF-S5126-A	180.57	1.61E-05	--	3.29E-02	--	4.72E+02	5.07E+01	--	1.32E-02	--	9.72E-02	1.77E-03	7.81E-09	1.58E-01	2.02E-02	5.42E-03	2.69E-02	1.19E-03
IN	IN-ID-RF-S5300-A	9123.66	6.14E-05	2.74E-08	1.33E-01	--	6.67E+02	6.93E+01	--	2.07E-01	--	7.27E-01	8.75E-03	1.07E-08	1.18E+00	1.00E-01	1.01E-02	3.67E-02	3.51E-03
IN	IN-ID-SDA-Debris	2302.4	2.13E-04	2.15E+00	4.31E-01	--	4.73E+03	4.95E+02	--	3.69E-01	--	1.16E-01	2.12E-01	1.35E-07	1.95E-01	2.42E+00	6.05E-02	3.80E-01	1.06E-01
IN	IN-ID-SDA-Sludge	4554.58	2.66E-03	4.26E+00	5.52E+00	--	1.85E+03	1.92E+02	--	8.86E-02	--	1.57E-01	9.25E-02	1.45E-07	3.54E-01	1.09E+00	4.67E-02	3.35E-01	2.45E+00
IN	IN-ID-SDA-Soil	665.18	6.39E-05	6.23E-01	1.31E-01	--	3.30E+02	3.45E+01	--	1.44E-02	--	1.99E-03	1.04E-02	1.15E-06	5.63E-03	1.22E-01	1.12E-01	5.24E-02	2.19E-01
IN	INW161.001-S	19.14	3.73E-06	--	7.19E-03	--	1.18E+02	1.23E+01	--	3.46E-03	--	1.09E-04	1.94E-04	1.89E-09	3.08E-04	2.21E-03	1.44E-03	6.51E-03	5.56E-06
IN	IN-W163.1007	9.21	9.99E-07	--	1.92E-03	--	5.22E+01	5.30E+00	--	3.33E-03	--	2.92E-05	7.69E-05	8.21E-10	8.26E-05	8.78E-04	6.00E-04	2.82E-03	5.09E-09
IN	INW169.001-S	19.14	6.40E-07	--	1.24E-03	--	1.47E+01	1.52E+00	--	5.80E-04	--	1.87E-05	4.61E-05	2.34E-10	5.30E-05	5.28E-04	2.41E-04	8.04E-04	4.37E-06
IN	IN-W181.162	76.23	5.45E-07	--	1.05E-03	--	1.94E+01	2.02E+00	--	4.15E-04	--	1.60E-05	2.80E-05	3.13E-10	4.51E-05	3.19E-04	2.22E-04	1.08E-03	6.34E-10
IN	IN-W188.160	141.57	1.00E-06	--	1.93E-03	--	5.24E+01	5.32E+00	--	2.79E-03	--	2.93E-05	7.71E-05	8.23E-10	8.29E-05	8.80E-04	6.01E-04	2.83E-03	4.27E-09
IN	INW198.001-S	49.09	9.06E-07	--	1.75E-03	--	2.83E+01	2.92E+00	--	8.72E-04	--	1.81E-04	4.98E-05	4.50E-10	3.24E-04	5.70E-04	3.60E-04	1.55E-03	5.90E-05
IN	INW211.001-S	303.92	1.11E-04	--	2.14E-01	--	2.73E+03	2.80E+02	--	1.38E-01	--	1.09E-02	4.51E-03	4.32E-08	2.16E-02	5.16E-02	3.22E-02	1.49E-01	1.47E-03
IN	INW216.001-S	1245.06	5.95E-03	--	1.16E+01	--	2.44E+03	2.53E+02	--	1.16E-01	--	1.96E-01	6.12E-02	3.90E-08	5.31E-01	7.53E-01	1.31E-01	1.34E-01	3.89E+00
IN	INW218.001-S	1110.87	9.04E-05	--	1.76E-01	--	3.72E+02	3.84E+01	--	1.67E-02	--	9.28E-03	8.99E-02	5.93E-09	1.82E-02	1.15E+00	1.06E-01	2.04E-02	8.74E+00
IN	INW222.001-S	65.1	7.82E-06	--	1.51E-02	--	2.13E+02	2.20E+01	--	7.27E-03	--	2.29E-04	3.95E-04	3.40E-09	6.46E-04	4.62E-03	2.55E-03	1.17E-02	7.02E-03
IN	INW243.001-S	74.88	9.74E-06	--	1.89E-02	--	1.78E+02	1.83E+01	--	6.69E-03	--	1.75E-03	4.83E-04	2.82E-09	3.18E-03	5.52E-03	2.48E-03	9.70E-03	3.17E-04
IN	INW247.001R1-S	116.9	1.27E-05	--	2.44E-02	--	3.11E+02	3.27E+01	--	7.78E-03	--	4.84E-03	7.79E-04	5.04E-09	8.26E-03	8.90E-03	3.57E-03	1.73E-02	1.19E-08
IN	INW252.001-S	60.94	9.27E-06	--	1.78E-02	--	2.26E+02	2.36E+01	--	6.69E-03	--	2.70E-04	4.45E-04	3.65E-09	7.63E-04	5.09E-03	2.82E-03	1.25E-02	1.02E-08
IN	IN-W263.520	265.86	9.16E-09	--	1.76E-05	--	1.35E+01	9.90E-03	--	2.46E-05	--	2.68E-07	1.19E-02	1.53E-12	7.57E-07	1.36E-01	1.55E-04	5.26E-06	3.77E-11
IN	INW276.001-S	10.19	8.54E-07	--	1.65E-03	--	2.38E+01	2.50E+00	--	6.43E-04	--	2.51E-05	7.56E-05	3.87E-10	7.08E-05	8.63E-04	2.73E-04	1.33E-03	9.82E-10
IN	INW276.002-S	16.02	1.34E-06	--	2.60E-03	--	3.58E+01	3.75E+00	--	9.64E-04	--	4.72E-04	1.14E-04	5.80E-10	8.10E-04	1.30E-03	4.11E-04	1.99E-03	1.47E-09
IN	INW276.003-S	186.58	5.12E-05	--	9.86E-02	--	1.29E+03	1.36E+02	--	3.59E-02	--	3.24E-02	4.14E-03	2.10E-08	5.41E-02	4.73E-02	1.49E-02	7.21E-02	1.17E-06
IN	INW276.004-S	46.8	1.19E-05	--	2.29E-02	--	2.75E+02	2.89E+01	--	7.51E-03	--	2.72E-02	8.75E-04	4.46E-09	4.44E-02	1.00E-02	3.18E-03	1.53E-02	1.15E-08
IN	INW296.001-S	97.76	2.05E-05	--	3.97E-02	--	3.84E+02	4.02E+01	--	1.08E-02	--	6.61E-03	9.71E-04	6.20E-09	1.14E-02	1.11E-02	4.56E-03	2.13E-02	3.96E-04
IN	IN-W315.601	6.92	4.54E-05	--	9.05E-02	--	4.27E+00	4.46E-01	--	9.10E-05	--	1.38E-03	6.16E-06	6.90E-11	3.88E-03	7.03E-05	4.90E-05	2.37E-04	1.39E-10
IN	IN-W319.584	4.5	3.25E-07	--	6.26E-04	--	1.69E+01	1.72E+00	--	1.29E-03	--	9.51E-06	2.51E-05	2.67E-10	2.69E-05	2.86E-04	1.94E-04	9.15E-04	1.97E-09
IN	IN-W321.1023	10.89	2.85E-06	--	5.48E-03	--	1.48E+02	1.51E+01	--	6.31E-03	--	8.33E-05	2.19E-04	2.34E-09	2.35E-04	2.50E-03	1.70E-03	8.02E-03	9.65E-09
IN	IN-W357.1022	4.5	1.02E-08	--	1.96E-05	--	5.29E-01	5.38E-02	--	3.15E-05	--	2.98E-07	7.82E-07	8.33E-12	8.42E-07	8.93E-06	6.08E-06	2.86E-05	4.82E-11
IN	IN-W375.1096	189.63	2.51E-07	--	4.84E-04	--	1.31E+01	1.33E+00	--	6.89E-04	--	7.36E-06	1.93E-05	2.06E-10	2.08E-05	2.21E-04	1.51E-04	7.09E-04	1.05E-09
KN	KN-B234TRU	837.93	2.26E-05	--	4.39E-02	--	5.08E+02	2.34E+02	--	--	--	1.44E+00	5.52E-01	1.26E-01	2.33E+00	2.37E+00	4.67E-01	5.85E-01	5.95E-02
LA	LA-CIN01.001	516.07	2.41E-03	1.55E-01	4.87E+00	--	6.42E+03	7.97E+02	--	3.05E+00	2.46E-06	1.31E-01	5.78E-02	2.30E-03	3.01E-01	6.64E-01	8.32E-02	4.24E-01	3.37E-01
LA	LA-CIN02.001	427.19	6.38E-05	1.02E-03	1.36E-01	--	5.54E+02	1.46E+01	--	8.93E-03	--	1.39E-02	4.12E-03	2.26E-09	2.50E-02	4.70E-02	9.31E-03	7.74E-03	3.28E-05
LA	LA-LAMHD03DD	3.78	4.56E-10	--	8.67E-07	--	2.65E-02	--	--	--	--	1.31E-08	2.06E-06	--	3.72E-08	2.35E-05	3.03E-07	--	--
LA	LA-LAMIN02V.001	27.29	1.50E-06	--	2.86E-03	--	5.12E+01	5.60E+00	--	9.00E-04	--	4.33E-05	6.10E-05	8.63E-10	1.22E-04	6.98E-04	5.87E-04	2.97E-03	1.37E-09
LA	LA-LAMIN04S	203.85	1.28E-04	--	2.46E-01	--	1.47E+03	1.75E+02	--	2.23E-01	1.02E-07	3.73E-03	2.50E-03	2.69E-08	1.05E-02	2.86E-02	1.68E-02	9.25E-02	3.41E-07
LA	LA-LA-NCD01	261.55	7.04E-07	--	1.35E-03	--	2.41E+01	2.64E+00	--	4.24E-04	--	2.04E-05	2.87E-05	4.06E-10	5.77E-05	3.28E-04	2.76E-04	1.40E-03	6.47E-10
LA	LA-LANHD01	161.34	4.90E-07	--	9.60E-04	--	1.72E+01	1.88E+00	--	3.02E-04	--	1.46E-05	2.05E-05	2.91E-10	4.12E-05	2.34E-04	1.97E-04	9.98E-04	4.62E-10

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-LANHD02238	1343.98	2.07E-07	--	4.02E-04	--	8.74E-01	1.92E-01	--	4.25E-04	--	6.10E-06	6.28E-02	2.96E-11	1.72E-05	7.18E-01	1.00E-05	1.02E-04	6.50E-10
LA	LA-LANIN03NC	701.76	2.63E-04	1.61E-01	6.27E-01	--	4.60E+03	5.35E+02	--	1.23E-01	--	9.50E-03	1.36E-01	8.24E-08	2.69E-02	1.55E+00	5.28E-02	2.83E-01	1.88E-07
LA	LA-MHD01.001	2520.53	1.11E-03	1.19E-01	1.47E+00	--	1.62E+04	1.97E+03	4.52E-04	3.07E+01	8.38E-06	2.26E-01	1.48E+00	3.05E-07	3.91E-01	1.69E+01	1.94E-01	1.05E+00	3.96E-02
LA	LA-MHD01.001-S	1106.52	7.66E-04	3.55E-01	1.21E+00	--	8.30E+03	1.02E+03	2.43E-04	2.00E+00	--	3.74E-01	8.16E-01	4.67E-06	6.26E-01	9.24E+00	9.90E-02	5.39E-01	5.96E-03
LA	LA-MHD02.001-S	13.52	3.91E-05	1.56E-05	4.87E-04	--	1.04E+00	2.42E-01	3.88E-05	7.05E-04	--	8.90E-06	8.26E-02	3.73E-11	2.33E-05	9.44E-01	1.26E-05	1.28E-04	1.08E-09
LA	LA-MHD03.001	596.95	3.99E-05	2.49E-02	1.23E-01	--	3.98E+02	4.46E+01	2.03E-05	1.47E-01	1.29E-07	9.60E-03	6.99E-02	1.79E-08	1.77E-02	7.98E-01	1.13E-02	2.38E-02	1.40E-03
LA	LA-MHD03.001-S	192.02	2.17E-05	9.15E-03	2.49E-02	--	9.42E+01	1.18E+01	1.56E-05	1.44E-02	--	8.81E-03	3.00E-02	1.82E-09	1.47E-02	3.43E-01	1.19E-03	6.26E-03	1.88E-04
LA	LA-MHD04.001	8.75	1.09E-07	3.09E-05	3.64E-04	--	7.94E-01	1.90E-01	--	6.56E-04	--	5.54E-06	3.61E-02	2.95E-11	1.56E-05	4.11E-01	9.13E-06	1.01E-04	1.00E-09
LA	LA-MIN03-NC.001	1105.1	3.50E-05	2.86E-03	6.91E-02	--	3.08E+02	6.02E+00	7.01E-08	2.04E-03	--	1.64E-03	4.20E-03	9.28E-10	3.90E-03	4.81E-02	4.36E-03	3.19E-03	6.39E-04
LA	LA-MIN03-NC.001-S	367.04	1.91E-05	2.14E-04	3.90E-02	--	1.05E+02	7.04E+00	9.22E-09	1.62E-02	--	5.91E-04	1.31E-03	1.08E-09	1.67E-03	1.50E-02	1.52E-03	3.73E-03	1.76E-04
LA	LA-OS-00-01.001	206.96	1.44E-03	1.62E-04	2.82E+00	--	4.99E+02	6.39E+01	--	4.14E-02	3.93E-08	4.27E-02	2.82E-01	9.87E-09	1.21E-01	3.22E+00	5.72E-03	3.39E-02	6.56E-08
LA	LA-OS-00-01.001-S	82.58	7.80E-05	--	1.51E-01	--	5.22E+02	7.22E+01	--	5.59E-02	--	2.29E-03	2.55E-01	1.11E-08	6.47E-03	2.92E+00	6.01E-03	3.82E-02	1.07E-06
LA	LA-OS-00-01-S	0.42	2.93E-07	--	5.83E-04	--	3.58E+00	1.68E+00	--	9.48E-05	--	8.83E-06	8.53E-02	2.59E-10	2.50E-05	6.29E-04	4.11E-05	8.91E-04	1.45E-10
LA	LA-OS-00-03	57.82	2.65E-06	--	5.19E-03	--	--	--	--	--	--	7.87E-05	--	--	2.22E-04	--	--	--	--
LA	LA-PX-00-01	0.62	1.39E-09	--	2.70E-06	--	4.17E-02	4.52E-03	--	--	--	4.10E-08	1.58E-07	6.99E-13	1.16E-07	1.81E-06	4.79E-07	2.40E-06	--
LA	LA-TA-00-01	195.7	1.86E-04	3.22E-03	1.32E-02	--	7.87E+01	7.00E+00	1.82E-04	1.03E-01	1.07E-04	9.25E-04	1.68E-02	1.12E-07	1.73E-03	1.91E-01	9.06E-04	3.73E-03	7.71E-05
LA	LA-TA-03-01	0.21	5.61E-09	--	1.75E-05	--	1.39E-01	1.52E-02	--	2.44E-06	--	2.65E-07	1.66E-07	2.34E-12	7.48E-07	1.89E-06	1.59E-06	8.05E-06	3.73E-12
LA	LA-TA-03-09	8.18	1.38E-07	1.82E-03	3.50E-04	--	7.88E-02	8.53E-03	--	1.37E-06	--	5.31E-06	2.06E-06	1.32E-12	1.50E-05	2.36E-05	9.00E-07	4.53E-06	1.20E-05
LA	LA-TA-03-10	276.87	6.00E-07	6.29E-05	2.13E-03	--	1.80E+01	1.97E+00	--	3.26E-04	--	3.22E-05	1.69E-04	3.04E-10	9.12E-05	1.93E-03	2.67E-04	1.04E-03	5.60E-05
LA	LA-TA-03-12	0.21	2.28E-09	--	4.51E-06	--	1.42E-01	1.53E-02	--	2.52E-06	--	6.88E-08	1.71E-07	2.38E-12	1.94E-07	1.95E-06	1.63E-06	8.14E-06	3.85E-12
LA	LA-TA-03-14	15.12	--	--	--	--	7.01E-01	--	--	--	--	--	1.12E-04	--	--	1.28E-03	1.18E-04	--	--
LA	LA-TA-03-20	1.87	5.67E-08	--	1.40E-04	--	2.81E-01	6.16E-02	--	1.68E-04	--	2.13E-06	1.99E-02	9.57E-12	6.00E-06	2.27E-01	3.23E-06	3.28E-05	2.58E-10
LA	LA-TA-03-28	6.03	5.97E-08	--	1.18E-04	--	3.04E+00	2.65E-01	--	1.05E-04	--	1.80E-06	1.12E-04	4.12E-11	5.08E-06	1.28E-03	3.50E-05	1.41E-04	1.61E-10
LA	LA-TA-03-29	0.42	9.41E-09	--	1.84E-05	--	8.50E-02	1.53E-02	--	3.13E-05	--	2.79E-07	6.94E-03	2.38E-12	7.88E-07	7.91E-02	9.78E-07	8.16E-06	4.79E-11
LA	LA-TA-03-30	7.77	9.48E-09	5.71E-07	2.05E-05	--	3.98E-02	5.82E-03	--	9.55E-07	--	3.13E-07	2.73E-06	9.04E-13	8.82E-07	3.11E-05	8.06E-07	3.10E-06	1.46E-12
LA	LA-TA-03-31	0.21	1.46E-08	--	2.83E-05	--	8.90E-01	9.59E-02	--	1.58E-05	--	4.30E-07	1.07E-06	1.49E-11	1.21E-06	1.22E-05	1.02E-05	5.10E-05	2.41E-11
LA	LA-TA-03-33	2.1	2.84E-11	--	1.84E-04	--	--	--	--	--	--	2.80E-06	1.49E-08	--	7.91E-06	3.37E-07	--	--	1.20E-05
LA	LA-TA-03-34	20.79	1.70E-09	--	3.35E-06	--	2.88E-02	1.48E-03	--	2.44E-07	--	5.09E-08	1.01E-04	2.29E-13	1.44E-07	1.15E-03	2.99E-06	7.88E-07	6.16E-06
LA	LA-TA-03-40	17.01	--	--	--	--	5.67E+00	--	--	--	--	--	2.11E-05	--	--	2.41E-04	9.60E-05	--	--
LA	LA-TA-03-42	56.7	4.14E-10	--	8.10E-07	--	4.50E-01	2.74E-03	--	4.51E-07	--	1.23E-08	4.69E-06	4.26E-13	3.48E-08	5.35E-05	5.18E-06	1.46E-06	6.91E-13
LA	LA-TA-21-05	0.42	1.34E-08	--	2.65E-05	--	7.88E-01	8.66E-02	--	1.66E-05	--	4.03E-07	1.00E-06	1.35E-11	1.14E-06	1.14E-05	2.89E-05	4.61E-05	2.54E-11
LA	LA-TA-21-06	233.79	4.75E-06	1.85E-06	9.41E-03	--	1.52E+02	2.13E+01	--	1.11E-02	--	1.43E-04	5.67E-01	3.31E-09	4.04E-04	6.46E+00	2.68E-03	1.13E-02	1.69E-08
LA	LA-TA-21-07	299.21	2.25E-06	5.65E-08	4.46E-03	--	1.53E+02	1.35E+01	--	3.35E-03	--	6.79E-05	4.30E-01	2.11E-09	1.92E-04	4.91E+00	1.79E-03	7.21E-03	2.01E-03
LA	LA-TA-21-08	2.91	5.31E-08	--	1.05E-04	--	2.00E+00	2.60E-01	--	1.10E-04	--	1.60E-06	3.60E-03	4.03E-11	4.51E-06	4.10E-02	2.30E-05	1.38E-04	1.68E-10
LA	LA-TA-21-09	2.5	4.33E-09	--	8.56E-06	--	2.69E-01	2.90E-02	--	4.77E-06	--	1.30E-07	5.91E-02	4.50E-12	3.68E-07	6.74E-01	3.09E-06	1.54E-05	7.30E-12
LA	LA-TA-21-10	1.89	--	--	--	--	3.81E-01	--	--	--	--	--	--	--	--	--	4.38E-06	--	--
LA	LA-TA-21-11	13.23	--	--	--	--	1.58E+01	--	--	--	--	--	2.08E-05	--	--	2.37E-04	1.82E-04	--	--
LA	LA-TA-21-12	163.32	8.74E-06	--	1.73E-02	--	2.07E+02	3.14E+01	--	2.24E-02	--	2.48E+01	1.75E+00	4.89E-09	3.99E+01	1.99E+01	4.44E-03	1.67E-02	3.44E-08
LA	LA-TA-21-13	1766.36	1.34E-03	--	2.75E+00	--	9.23E+01	--	--	--	--	4.19E-02	7.88E-03	1.10E-04	1.18E-01	9.00E-02	2.50E-02	--	1.12E-02
LA	LA-TA-21-14	55.15	--	--	--	--	6.97E+00	--	--	--	--	--	--	--	--	--	8.02E-05	--	--
LA	LA-TA-21-15	3.74	4.22E-08	--	8.33E-05	--	3.54E+00	2.82E-01	--	4.64E-05	--	1.27E-06	3.15E-06	4.38E-11	3.58E-06	3.59E-05	4.08E-05	1.50E-04	7.11E-11
LA	LA-TA-21-16	79.87	8.50E-06	--	1.68E-02	--	4.75E+02	5.22E+01	--	1.22E-02	--	2.55E-04	8.21E-04	8.11E-09	7.21E-04	9.36E-03	8.76E-03	2.78E-02	1.87E-08

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-21-17	0.62	3.16E-10	--	6.24E-07	--	1.96E-02	2.11E-03	--	3.48E-07	--	9.51E-09	2.36E-08	3.28E-13	2.68E-08	2.69E-07	2.26E-07	1.13E-06	5.33E-13
LA	LA-TA-21-40	664.64	6.33E-08	--	1.40E-04	--	2.51E+02	3.06E-01	--	5.05E-05	1.75E-04	5.20E-06	5.14E-02	4.76E-11	1.10E-05	5.86E-01	2.88E-03	1.63E-04	1.36E-06
LA	LA-TA-21-41	15.12	--	--	--	--	1.37E+01	--	--	--	--	--	--	--	--	--	1.57E-04	--	--
LA	LA-TA-21-42	62.37	8.19E-07	--	1.78E-03	--	1.58E+01	--	--	--	--	2.70E-05	1.72E-04	--	7.63E-05	1.96E-03	2.24E-04	--	--
LA	LA-TA-48-01	8.32	2.82E-08	8.13E-06	1.73E-04	--	4.57E-01	5.29E-02	--	4.20E-06	--	4.82E-03	1.72E-05	8.15E-12	7.79E-03	1.96E-04	5.24E-06	2.80E-05	6.42E-12
LA	LA-TA-50-01	1.89	1.67E-09	2.79E-06	3.27E-06	--	6.51E-04	--	--	--	--	4.96E-08	1.57E-05	--	1.40E-07	1.80E-04	3.42E-06	--	--
LA	LA-TA-50-02	0.62	3.30E-09	--	6.63E-06	--	2.61E-02	--	--	--	--	1.01E-07	1.11E-05	--	2.84E-07	1.27E-04	6.22E-07	--	--
LA	LA-TA-50-05	0.21	1.90E-09	--	3.69E-06	--	1.12E-01	1.38E-03	--	--	--	5.60E-08	1.01E-06	2.13E-13	1.58E-07	1.15E-05	1.29E-06	7.32E-07	--
LA	LA-TA-50-06	3.55	1.29E-06	--	2.55E-03	--	2.74E+00	7.51E-01	--	2.96E-03	--	3.87E-05	1.08E-04	1.16E-10	1.09E-04	1.24E-03	3.15E-05	3.99E-04	4.53E-09
LA	LA-TA-50-10	3.95	2.26E-06	--	4.36E-03	--	7.55E+01	8.33E+00	--	1.47E-03	--	6.61E-05	6.01E-03	1.29E-09	1.87E-04	6.89E-02	1.23E-03	4.42E-03	1.35E-02
LA	LA-TA-50-11	0.83	3.48E-08	--	6.84E-05	--	1.89E+00	1.97E-01	--	3.25E-05	--	1.04E-06	2.41E-06	3.06E-11	2.94E-06	2.75E-05	2.17E-05	1.05E-04	4.97E-11
LA	LA-TA-50-12	9.22	1.31E-09	--	2.72E-06	--	6.28E-02	--	--	--	--	4.13E-08	1.24E-03	--	1.17E-07	2.81E-02	7.23E-07	--	1.00E+00
LA	LA-TA-50-13	0.21	--	--	--	--	--	--	--	--	--	--	3.22E-07	--	--	3.67E-06	--	--	--
LA	LA-TA-50-14	0.42	5.69E-09	--	1.15E-05	--	1.18E-02	--	--	--	--	1.75E-07	1.17E-07	--	4.94E-07	1.33E-06	1.35E-07	--	--
LA	LA-TA-50-15	91.12	1.62E-06	--	3.23E-03	--	2.79E+01	2.85E+00	--	5.27E-04	--	4.91E-05	9.36E-03	4.43E-10	1.39E-04	1.07E-01	1.96E-03	1.52E-03	1.48E-07
LA	LA-TA-50-16	13.23	5.25E-08	3.19E-03	3.67E-03	--	4.76E-01	3.19E-02	--	8.53E-06	--	5.57E-05	1.15E-04	4.94E-12	1.57E-04	1.32E-03	5.46E-06	1.70E-05	1.30E-11
LA	LA-TA-50-18	3.54	1.69E-07	--	3.47E-04	--	4.72E-01	3.22E-02	--	--	--	5.28E-06	3.86E-05	5.00E-12	1.49E-05	4.40E-04	1.81E-05	1.71E-05	--
LA	LA-TA-50-19	108.97	2.52E-06	--	5.17E-03	--	5.69E+00	--	--	--	--	7.87E-05	1.91E-03	--	2.22E-04	2.18E-02	1.22E-04	--	--
LA	LA-TA-50-20	0.62	2.98E-10	--	6.04E-07	--	2.25E-03	--	--	--	--	9.20E-09	--	--	2.60E-08	--	2.58E-08	--	--
LA	LA-TA-50-40	1.89	--	--	--	--	4.54E-04	--	--	--	--	--	--	--	--	--	5.22E-09	--	--
LA	LA-TA-50-41	20.79	1.98E-08	--	3.80E-05	--	1.19E+00	1.29E-01	--	2.12E-05	--	5.77E-07	1.44E-06	1.99E-11	1.63E-06	1.64E-05	1.37E-05	6.84E-05	3.24E-11
LA	LA-TA-55-03	35.59	5.89E-06	--	1.21E-02	--	1.64E+02	1.88E+01	--	1.57E-01	2.73E-08	1.84E-04	4.13E-03	2.90E-09	5.21E-04	4.72E-02	1.89E-03	9.98E-03	3.44E-07
LA	LA-TA-55-04	1.25	7.22E-08	--	1.39E-04	--	2.49E+00	2.73E-01	--	4.39E-05	--	2.11E-06	2.98E-06	4.21E-11	5.98E-06	3.40E-05	2.86E-05	1.45E-04	6.70E-11
LA	LA-TA-55-05	56.5	1.45E-05	3.39E-05	4.92E-03	--	7.80E+01	8.80E+00	1.20E-05	6.57E-02	5.96E-08	7.47E-05	6.08E-02	1.36E-09	2.11E-04	6.94E-01	1.05E-03	4.67E-03	2.40E-06
LA	LA-TA-55-07	3.12	6.98E-07	--	1.35E-03	--	1.78E+01	2.01E+00	--	1.15E-01	1.63E-07	2.05E-05	1.45E-03	3.10E-10	5.79E-05	1.66E-02	2.04E-04	1.07E-03	1.75E-07
LA	LA-TA-55-08	2.7	1.50E-07	--	2.90E-04	--	5.16E+00	5.64E-01	--	9.25E-05	--	4.40E-06	2.37E-04	8.72E-11	1.24E-05	2.71E-03	5.92E-05	3.00E-04	1.41E-10
LA	LA-TA-55-09	0.62	7.14E-09	2.52E-06	1.61E-05	--	9.92E-02	2.47E-02	--	8.57E-04	8.86E-10	2.43E-07	6.78E-03	3.81E-12	6.88E-07	7.75E-02	1.14E-06	1.31E-05	1.31E-09
LA	LA-TA-55-10	0.62	2.42E-08	4.30E-06	5.00E-05	--	5.59E-02	2.24E-02	--	6.71E-03	--	7.58E-07	3.76E-03	3.46E-12	2.14E-06	4.29E-02	6.42E-07	1.19E-05	1.03E-08
LA	LA-TA-55-12	0.21	2.65E-09	--	5.11E-06	--	2.12E-02	4.77E-03	--	4.01E-06	--	7.75E-08	1.26E-07	7.37E-13	2.19E-07	1.45E-06	2.29E-04	2.53E-06	8.75E-07
LA	LA-TA-55-14	358.8	3.56E-04	--	7.01E-01	--	4.81E+02	5.28E+01	--	6.08E-02	--	1.06E-02	6.39E-04	8.16E-09	3.01E-02	7.29E-03	5.98E-03	2.80E-02	2.95E-05
LA	LA-TA-55-15	18.1	1.26E-05	--	2.44E-02	--	4.00E+02	4.50E+01	--	9.24E-03	--	3.69E-04	3.32E-02	6.96E-09	1.04E-03	3.79E-01	4.59E-03	2.39E-02	1.41E-08
LA	LA-TA-55-17B	14.82	4.31E-08	--	8.30E-05	--	1.48E+00	1.62E-01	--	2.62E-05	--	1.26E-06	1.64E-05	2.50E-11	3.56E-06	1.88E-04	1.70E-05	8.61E-05	4.00E-11
LA	LA-TA-55-18	0.42	--	--	--	--	--	--	--	--	--	--	4.36E-03	--	--	4.97E-02	--	--	--
LA	LA-TA-55-19	1200.75	1.09E-04	1.41E-03	2.19E-01	--	3.09E+03	4.22E+02	--	2.11E+00	1.78E-06	4.58E-02	7.93E-01	1.23E-07	7.79E-02	9.05E+00	5.11E-02	2.27E-01	8.41E-03
LA	LA-TA-55-19.01-S	81.42	8.97E-06	1.70E-03	2.12E-02	--	1.87E+02	2.13E+01	--	1.64E-01	--	3.21E-04	1.07E-02	3.28E-09	9.08E-04	1.22E-01	2.37E-03	1.13E-02	3.87E-04
LA	LA-TA-55-19.02-S	228.99	5.03E-05	3.02E-02	1.18E-01	--	6.12E+02	7.88E+01	--	1.22E+00	--	4.49E-03	7.63E-02	2.06E-05	9.42E-03	8.55E-01	7.97E-03	4.18E-02	1.53E-03
LA	LA-TA-55-20	46.28	2.64E-06	7.44E-05	5.27E-03	--	9.82E+01	1.11E+01	--	2.60E-02	--	7.99E-05	1.53E-02	1.72E-09	2.26E-04	1.75E-01	1.48E-03	5.91E-03	4.46E-05
LA	LA-TA-55-21	75.52	6.52E-06	1.06E-04	1.29E-02	--	2.44E+02	3.07E+01	--	4.56E-02	2.53E-08	1.97E-04	8.43E-02	4.76E-09	5.56E-04	9.61E-01	2.88E-03	1.63E-02	1.00E-03
LA	LA-TA-55-22	27.13	7.26E-06	8.43E-06	1.16E-03	--	1.71E+01	2.07E+00	6.68E-06	2.66E-03	4.28E-10	1.76E-05	7.11E-02	3.21E-10	4.99E-05	8.12E-01	1.98E-04	1.10E-03	8.10E-09
LA	LA-TA-55-23	1.66	1.64E-07	--	3.20E-04	--	9.61E+00	1.04E+00	--	1.97E-04	--	4.86E-06	6.13E-03	1.62E-10	1.37E-05	6.99E-02	1.11E-04	5.54E-04	3.01E-10
LA	LA-TA-55-24	1.46	1.11E-07	--	2.13E-04	--	4.98E+00	5.66E-01	--	1.28E-04	--	3.23E-06	1.55E-05	8.82E-11	9.14E-06	1.77E-04	1.94E-04	3.02E-04	3.16E-05
LA	LA-TA-55-25	0.42	1.24E-07	--	2.41E-04	--	7.43E+00	8.06E-01	--	1.41E-04	--	3.67E-06	9.17E-06	1.25E-10	1.04E-05	1.05E-04	8.54E-05	4.29E-04	2.15E-10

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
LA	LA-TA-55-26	1.66	1.41E-08	--	2.96E-05	--	4.81E-01	5.78E-02	--	2.55E-05	--	4.50E-07	1.72E-03	8.94E-12	1.27E-06	1.97E-02	5.53E-06	3.07E-05	3.90E-11
LA	LA-TA-55-27	0.42	3.13E-10	--	6.10E-07	--	1.92E-02	2.07E-03	--	3.40E-07	--	9.28E-09	2.31E-08	3.21E-13	2.62E-08	2.63E-07	2.21E-07	1.10E-06	5.20E-13
LA	LA-TA-55-29	3.74	3.16E-05	4.89E-05	2.05E-04	--	1.53E+00	3.42E-01	3.15E-05	9.47E-04	--	3.10E-06	1.00E-01	5.29E-11	8.77E-06	1.14E+00	1.76E-05	1.82E-04	1.45E-09
LA	LA-TA-55-30	1180.3	8.51E-05	1.39E-04	1.48E-01	--	1.69E+03	2.46E+02	1.01E-05	4.74E-01	1.42E-07	2.25E-03	1.11E+00	3.83E-08	6.35E-03	1.27E+01	2.16E-02	1.31E-01	2.45E-02
LA	LA-TA-55-30-S	95.32	1.49E-05	2.54E-03	3.66E-02	--	1.85E+02	2.40E+01	--	5.88E-02	--	6.18E-03	2.25E-03	3.28E-05	1.07E-02	2.58E-02	2.34E-03	1.28E-02	5.58E-04
LA	LA-TA-55-31	21.65	1.41E-06	1.09E-06	2.73E-03	--	7.82E+01	8.21E+00	--	1.57E-02	1.37E-08	4.15E-05	3.82E-04	1.28E-09	1.17E-04	4.36E-03	9.99E-04	4.37E-03	2.63E-07
LA	LA-TA-55-32	10.02	5.23E-06	2.89E-05	1.59E-03	--	1.56E+01	2.07E+00	4.44E-06	1.49E-02	1.31E-08	2.42E-05	1.09E-01	3.26E-10	6.83E-05	1.24E+00	2.56E-04	1.11E-03	7.29E-07
LA	LA-TA-55-33	2.5	2.37E-08	--	4.63E-05	--	3.67E-01	8.26E-02	--	7.11E-05	--	7.04E-07	1.84E-06	1.28E-11	1.99E-06	2.10E-05	4.22E-06	4.39E-05	1.09E-10
LA	LA-TA-55-34	70.51	3.84E-05	--	7.57E-02	--	1.37E+03	1.59E+02	--	1.39E-01	9.66E-08	6.87E-03	3.42E-03	2.47E-08	1.25E-02	3.94E-02	1.63E-02	8.46E-02	2.80E-02
LA	LA-TA-55-36	0.21	1.49E-06	--	2.98E-03	--	3.16E+00	3.40E-01	--	5.59E-05	--	4.53E-05	3.79E-06	5.26E-11	1.28E-04	4.33E-05	3.62E-05	1.81E-04	8.55E-11
LA	LA-TA-55-38	3.54	1.12E-07	--	2.19E-04	--	1.01E+00	1.83E-01	--	3.74E-04	--	3.33E-06	8.27E-02	2.84E-11	9.40E-06	9.43E-01	1.17E-05	9.73E-05	5.72E-10
LA	LA-TA-55-39	69.26	4.34E-05	--	8.45E-02	--	2.54E+03	2.75E+02	--	2.67E-01	2.07E-07	1.28E-03	3.75E-03	4.27E-08	3.63E-03	4.28E-02	2.92E-02	1.46E-01	4.46E-07
LA	LA-TA-55-43	65.51	4.34E-08	7.63E-07	9.39E-05	--	4.25E-01	6.60E-02	--	1.71E-04	--	1.43E-06	1.20E-02	1.50E-06	4.03E-06	1.37E-01	4.96E-06	3.51E-05	2.62E-10
LA	LA-TA-55-43.01-S	190.89	7.31E-08	5.61E-06	1.79E-04	--	3.49E-01	2.64E-01	--	5.24E-04	--	2.72E-06	2.03E-02	4.58E-06	7.68E-06	2.32E-01	4.01E-06	1.40E-04	8.00E-10
LA	LA-TA-55-46	0.21	1.02E-11	--	1.99E-08	--	3.84E-05	9.04E-06	--	2.07E-08	--	3.03E-10	2.62E-06	1.40E-15	8.55E-10	2.99E-05	4.42E-10	4.80E-09	3.16E-14
LA	LA-TA-55-47	1.89	3.48E-10	--	6.66E-07	--	2.09E-02	2.26E-03	--	3.71E-07	--	1.01E-08	2.52E-08	3.49E-13	2.86E-08	2.87E-07	2.40E-07	1.20E-06	5.67E-13
LA	LA-TA-55-50	3.14	3.57E-09	--	6.94E-06	--	1.16E-01	1.26E-02	--	2.61E-06	--	1.05E-07	7.99E-05	1.94E-12	2.98E-07	9.13E-04	1.34E-06	6.67E-06	3.99E-12
LA	LA-TA-55-53	11.86	7.33E-06	--	1.41E-02	--	2.28E+02	2.60E+01	--	5.38E-03	--	2.14E-04	3.11E-04	4.02E-09	6.04E-04	3.56E-03	2.62E-03	1.38E-02	8.22E-09
LA	LA-TA-55-54	0.21	1.29E-10	--	2.56E-07	--	4.57E-03	4.99E-04	--	8.04E-08	--	3.89E-09	5.47E-09	7.74E-14	1.10E-08	6.23E-08	5.25E-08	2.66E-07	1.23E-13
LA	LA-TA-55-60	75.6	8.94E-07	--	5.44E-03	--	9.53E+00	1.52E+00	--	3.96E-01	3.82E-07	8.27E-05	3.76E-04	2.36E-10	2.34E-04	4.28E-03	1.10E-04	8.08E-04	9.60E-07
LA	LA-TA-55-61	119.07	8.61E-07	--	1.68E-03	--	1.91E+01	3.02E+00	--	1.75E-02	1.50E-08	2.56E-05	1.97E-03	4.68E-10	7.23E-05	2.25E-02	2.20E-04	1.60E-03	2.67E-08
LA	LA-TA-55-62	15.12	3.37E-08	--	6.58E-05	--	4.77E-01	1.06E-01	--	9.96E-05	--	1.00E-06	2.83E-06	1.64E-11	2.83E-06	3.23E-05	5.48E-06	5.62E-05	1.52E-10
LA	LA-TA-55-63	3.78	2.87E-09	--	5.55E-06	--	1.74E-01	1.88E-02	--	3.09E-06	--	8.43E-08	2.10E-07	2.91E-12	2.38E-07	2.39E-06	2.00E-06	9.99E-06	4.73E-12
LB	LB-T001	1.61	1.80E-04	1.25E-03	2.86E-04	--	2.80E-03	2.61E-04	1.80E-04	6.65E-05	5.76E-10	2.81E-04	6.21E-09	8.03E-09	4.58E-04	7.45E-08	2.06E-07	1.38E-07	2.57E-07
LB	LB-T002	1.4	1.07E-08	1.36E-04	4.89E-03	--	5.77E-02	6.51E-05	6.10E-09	5.91E-05	4.06E-05	7.42E-05	2.91E-07	6.80E-15	2.10E-04	3.32E-06	1.33E-06	2.51E-08	2.67E-08
LB	LB-T003	1.4	1.85E-08	--	3.66E-05	--	--	1.48E-05	--	--	--	5.56E-07	--	2.28E-15	1.57E-06	--	--	7.85E-09	--
LL	BLCHDN.001-S	1.66	4.95E-04	8.72E-04	9.16E-04	--	3.59E-04	2.10E-04	4.94E-04	--	--	1.39E-05	2.73E-06	3.24E-14	3.92E-05	3.12E-05	2.20E-09	1.11E-07	--
LL	LL-M001	1532.77	1.98E+00	4.20E-01	1.58E+00	6.97E-19	4.31E+03	6.07E+02	1.98E+00	5.41E-01	4.33E-06	1.98E+01	2.74E-01	6.17E-05	3.19E+01	3.12E+00	5.69E-02	3.21E-01	1.78E-02
LL	LL-M001-S5400-S	143.14	1.34E-03	5.29E-03	1.46E-01	--	4.48E+02	5.81E+01	1.30E-03	3.11E-02	--	2.21E-03	1.27E-02	8.95E-09	6.24E-03	1.46E-01	5.64E-03	3.08E-02	3.54E-03
LL	LL-T004	1.25	2.24E-06	--	4.42E-03	--	3.20E+00	7.20E-01	--	1.27E-03	--	6.69E-05	5.15E-05	1.11E-10	1.89E-04	5.88E-04	3.67E-05	3.81E-04	1.95E-09
LL	LL-T005	0.42	8.51E-10	--	1.64E-06	--	4.49E-03	4.77E-04	--	1.60E-07	--	2.48E-08	8.60E-09	7.35E-14	7.01E-08	9.84E-08	5.14E-08	2.53E-07	2.45E-13
LL	LL-W018a	1517.72	8.49E-06	--	1.63E-02	--	3.66E+01	5.03E+00	--	3.06E-03	--	2.47E-04	1.76E-04	7.74E-10	7.00E-04	2.01E-03	4.20E-04	2.66E-03	4.66E-09
LL	LL-W018b	27.35	2.79E-05	3.14E-05	5.41E-02	--	3.42E+00	6.92E-06	--	--	5.77E-18	8.20E-04	3.10E-03	1.07E-15	2.32E-03	3.54E-02	4.25E-05	3.67E-09	--
LL	LL-W019	15.81	4.56E-06	9.86E-07	1.04E-02	--	6.15E+01	7.92E+00	--	3.98E-03	--	6.22E-01	8.16E-04	1.22E-09	1.01E+00	9.36E-03	1.43E-03	4.19E-03	2.07E-03
MC	MC-W001	0.21	--	--	3.94E-05	--	3.78E-03	--	--	--	--	5.99E-07	--	--	1.69E-06	--	4.35E-08	--	--
NT	NT-JAS-01	1971.73	4.48E-05	--	8.61E-02	--	1.46E+02	5.46E+01	--	--	--	1.30E-03	4.23E-03	8.42E-09	3.69E-03	4.83E-02	1.68E-03	2.89E-02	--
NT	NTLBL-S5400-S	1.66	1.91E-05	2.26E-03	9.08E-04	--	5.05E-01	5.35E-02	1.90E-05	2.08E-05	--	1.38E-05	4.54E-06	8.24E-12	3.89E-05	5.19E-05	5.78E-06	2.83E-05	3.17E-11
NT	NTLRC-S5400-S	3.12	6.19E-07	1.37E-05	1.44E-03	--	5.39E+00	9.12E-01	--	2.88E-04	--	2.18E-05	3.95E-04	1.41E-10	6.15E-05	4.52E-03	2.10E-04	4.84E-04	1.05E-04
NT	NT-RF-BERYLLIUM-S	29.33	5.54E-07	3.58E-07	1.10E-03	--	1.82E+01	1.90E+00	--	4.23E-04	--	3.54E-03	1.06E-04	2.93E-10	5.73E-03	1.22E-03	2.26E-04	1.01E-03	2.31E-04
NT	NT-RF-GRAPHITE-S	3.74	5.82E-07	--	1.14E-03	--	2.91E+01	2.49E+00	--	5.16E-04	--	1.73E-05	4.20E-05	3.84E-10	4.90E-05	4.81E-04	3.33E-04	1.32E-03	2.84E-05
NT	NT-RF-METAL-S	6.03	1.28E-07	1.06E-06	2.55E-04	--	5.05E+00	5.77E-01	--	1.33E-04	--	3.86E-06	3.83E-03	8.88E-11	1.09E-05	4.41E-02	8.52E-05	3.06E-04	2.23E-02
NT	NTS54332R0-S	307.24	1.16E-04	5.06E-03	4.58E-02	--	2.76E+02	3.34E+01	9.98E-05	1.02E-02	--	1.30E-01	3.16E-03	5.14E-09	2.10E-01	3.62E-02	1.00E+00	1.77E-02	1.01E-02

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
NT	NTS54COMR0-S	50.35	3.56E-04	8.17E-03	1.26E-02	--	3.84E+01	4.24E+00	3.52E-04	1.81E-03	--	1.55E-01	8.42E-04	6.53E-10	2.50E-01	9.64E-03	4.53E-04	2.25E-03	8.79E-04
NT	NTS54MIX1R0-S	0.42	4.37E-10	3.73E-05	1.63E-06	--	2.17E-02	2.41E-03	--	6.71E-07	--	2.47E-08	1.28E-08	3.71E-13	6.98E-08	1.46E-07	2.49E-07	1.28E-06	1.02E-12
NT	NT-W001	111.46	4.58E-05	8.65E-02	1.23E-02	--	3.78E+02	1.17E+00	4.00E-05	1.55E-02	1.82E-07	1.94E-01	8.99E-04	1.81E-10	3.14E-01	1.03E-02	4.36E-03	6.22E-04	2.80E-05
NT	NT-W002	18.79	7.72E-06	1.46E-02	2.08E-03	--	6.38E+01	1.97E-01	6.74E-06	2.62E-03	3.07E-08	3.28E-02	1.52E-04	3.05E-11	5.29E-02	1.73E-03	7.36E-04	1.05E-04	4.72E-06
NT	NT-W003	1.89	1.79E-07	--	3.62E-04	--	2.53E+00	2.87E-01	--	1.13E-04	--	5.50E-06	6.18E-06	4.44E-11	1.55E-05	7.12E-05	1.81E-04	1.53E-04	4.62E-05
NT	NT-W004	0.21	--	--	--	--	2.07E-02	--	--	--	--	--	1.22E-05	--	--	1.39E-04	2.38E-07	--	--
NT	NT-W005	0.21	2.70E-09	--	3.80E-06	--	3.77E-02	4.27E-03	8.29E-10	1.68E-06	--	5.77E-08	9.31E-08	6.62E-13	1.63E-07	1.09E-06	4.34E-07	2.27E-06	1.81E-06
NT	NT-W021	9	9.98E-07	--	1.93E-03	--	3.83E+01	4.04E+00	--	1.02E-03	--	2.93E-05	2.49E-03	6.27E-10	8.29E-05	2.89E-02	9.81E-04	2.15E-03	2.79E-02
OR	OR-CHEM-CH-HET	26	5.23E-07	4.05E-04	1.08E-03	--	2.36E+00	2.03E-01	--	7.96E-04	6.07E-17	3.63E-01	3.95E-03	7.08E-05	5.86E-01	4.51E-02	9.21E-05	1.08E-04	1.05E-03
OR	OR-GENR-CH-HET	26	3.01E-03	1.85E-01	1.39E-02	--	2.01E+00	1.50E-02	3.00E-03	1.11E-01	4.06E-07	3.63E-02	6.04E-04	1.81E-06	5.89E-02	3.99E-03	2.72E-05	4.27E-05	5.41E-04
OR	OR-ISTP-CH-HET	69.06	6.95E-04	3.70E-01	3.38E-01	--	9.34E+00	6.64E+00	6.74E-04	8.87E-02	9.21E-09	1.11E-01	3.31E-02	1.46E-04	1.85E-01	3.72E-01	3.00E-04	3.53E-03	2.35E-04
OR	OR-NBL-CH-HET	11.44	1.23E-05	--	6.64E-08	--	8.13E-01	1.48E-01	1.23E-05	--	--	8.57E-03	1.28E-04	2.29E-11	1.38E-02	1.47E-03	1.71E-04	7.88E-05	1.00E-03
OR	OR-NFS-CH-HET	58.86	2.38E-04	1.06E-03	1.20E-02	--	6.51E+01	1.67E+01	2.31E-04	2.20E-02	2.46E-09	7.47E-02	2.26E-01	6.61E-05	1.21E-01	2.58E+00	9.39E-04	8.87E-03	3.09E-03
OR	OR-NFS-CH-HOM	9.98	1.33E-05	--	2.63E-02	--	1.19E+02	2.95E+01	--	1.02E-02	--	4.00E-04	3.88E-01	4.58E-09	1.13E-03	4.43E+00	1.55E-03	1.57E-02	5.02E-03
OR	OR-NFS-CH-SOIL	123.76	1.82E-05	--	3.61E-02	--	2.52E+02	5.12E+01	--	1.13E-02	--	6.27E-03	5.78E-01	8.35E-06	1.08E-02	6.59E+00	3.45E-03	2.72E-02	7.00E-03
OR	OR-PGDP-CH-HET	3.74	--	--	8.76E-02	--	2.13E-01	--	--	--	--	1.33E-03	9.12E-04	--	3.76E-03	1.06E-02	4.27E-04	--	1.05E-02
OR	OR-RADP-CH-HET	45.76	8.26E-05	2.50E-02	1.06E-02	--	8.08E+00	8.72E-01	7.91E-05	1.36E-04	1.54E-08	1.19E-02	6.69E-05	5.80E-07	1.94E-02	7.63E-04	2.32E-04	4.64E-04	4.18E-06
OR	OR-REDC-CH-HET	489.23	1.23E-02	2.63E-01	1.67E-02	--	9.71E+00	2.44E+00	1.23E-02	3.04E-02	4.20E-06	1.46E-03	6.22E-04	1.25E-05	2.15E-03	7.10E-03	1.18E-04	2.34E-01	1.86E-06
OR	OR-RF-CH-HET	130.83	1.16E-06	4.00E-03	2.31E-03	--	3.16E+01	3.39E+00	2.42E-08	3.54E-02	1.70E-14	2.46E+01	4.48E-04	3.77E-04	3.97E+01	4.92E-03	1.45E-03	1.80E-03	2.67E-03
OR	OR-RF-CH-HOM	2.5	4.96E-09	--	9.94E-06	--	3.14E-02	1.43E-02	--	--	--	1.51E-07	5.00E-06	2.21E-12	4.27E-07	5.81E-05	2.66E-06	7.59E-06	8.19E-05
OR	OR-TBD-CH-HET	165.85	2.66E-05	1.10E+00	1.28E-01	--	6.46E+01	7.16E+01	1.78E-06	2.11E-02	5.60E-09	1.62E+00	1.79E-02	1.78E-04	2.62E+00	2.04E-01	2.36E-03	3.81E-02	3.08E-02
OR	OR-W203	285.72	5.43E-05	7.17E-02	6.76E-04	--	5.57E-02	8.80E-01	5.39E-05	4.49E-02	4.56E-07	1.02E-05	5.95E-05	1.36E-10	2.89E-05	6.80E-04	4.82E-07	4.66E-04	5.61E-08
OR	OR-W213-CH-HET	322.63	1.24E-06	1.33E-03	1.38E-02	--	4.07E+00	2.34E-03	--	2.95E-03	--	9.35E+00	6.31E-02	1.29E-01	1.00E+01	5.82E-01	8.91E-03	9.43E-03	1.13E-01
OR	OR-WSTR-CH-HET	0.42	--	--	--	--	--	--	--	--	--	--	1.64E-06	--	--	1.87E-05	--	--	--
OR	OR-Y12-CH-HET	1.04	--	--	5.34E-03	--	3.92E-02	3.79E-06	--	--	--	8.12E-05	4.02E-05	5.87E-16	2.29E-04	4.66E-04	1.20E-04	2.01E-09	5.29E-04
PA	PA-A015	2.08	4.20E-09	--	1.30E-01	--	2.96E-01	--	--	--	--	1.98E-03	1.08E-02	--	5.59E-03	1.67E-02	8.39E-04	--	1.82E-02
PA	PA-W014	2.91	1.68E-08	--	2.06E+00	--	1.20E-01	--	--	--	--	3.13E-02	6.22E-03	--	8.84E-02	7.25E-02	3.90E-03	--	1.09E-01
RF	RF001.01-S	979.16	1.95E-04	4.61E-04	4.30E-01	--	2.52E+03	2.70E+02	--	1.16E-01	--	5.12E-02	2.16E-02	4.17E-08	9.05E-02	2.47E-01	3.85E-02	1.43E-01	2.21E-03
RF	RF002.01-S	1460.53	1.96E-04	4.13E-04	3.87E-01	--	3.30E+03	3.59E+02	--	1.20E-01	--	1.88E-02	1.82E-02	5.53E-08	3.75E-02	2.12E-01	4.49E-02	1.90E-01	2.83E-01
RF	RF003.01-S	355.39	3.60E-04	--	6.98E-01	--	9.50E+03	1.06E+03	--	2.88E-01	--	1.66E-02	1.81E-02	1.64E-07	3.95E-02	2.07E-01	1.10E-01	5.62E-01	1.30E-03
RF	RF004.01-S	282.97	3.24E-05	3.45E-07	6.36E-02	--	5.15E+02	5.50E+01	--	1.88E-02	--	9.64E-04	2.77E-03	8.48E-09	2.72E-03	3.17E-02	6.56E-03	2.91E-02	7.54E-04
RF	RF005.01-S	119.39	5.78E-04	--	1.14E+00	--	3.58E+03	4.25E+02	--	9.93E-02	--	1.72E-02	6.71E-03	6.56E-08	4.87E-02	7.67E-02	4.12E-02	2.25E-01	1.52E-07
RF	RF005.02-S	78.42	6.87E-04	--	1.35E+00	--	2.17E+03	2.64E+02	--	6.34E-02	--	2.04E-02	3.99E-03	4.07E-08	5.77E-02	4.56E-02	2.49E-02	1.40E-01	2.68E-07
RF	RF006.01-S	235.66	2.86E-04	--	5.58E-01	--	6.90E+03	7.69E+02	--	2.92E-01	--	8.47E-03	1.61E-02	1.19E-07	2.39E-02	1.84E-01	7.95E-02	4.09E-01	1.83E-06
RF	RF008.01-S	97.15	1.37E-04	--	2.78E-01	--	2.54E+03	3.22E+02	--	1.34E-01	--	4.22E-03	6.40E-03	4.96E-08	1.19E-02	7.31E-02	2.92E-02	1.71E-01	2.79E-07
RF	RF009.01-S	1326.87	7.30E-03	--	1.46E+01	--	4.12E+04	4.72E+03	--	1.34E+00	--	2.22E-01	6.36E-02	7.28E-07	6.26E-01	7.27E-01	4.73E-01	2.50E+00	4.76E-06
RF	RF010.01-S	629.55	2.13E-04	1.60E-05	4.17E-01	--	4.69E+03	5.05E+02	--	1.56E-01	--	6.32E-03	1.85E-02	7.78E-08	1.79E-02	2.12E-01	5.78E-02	2.68E-01	3.58E-03
RF	RF011.01-S	79.52	3.68E-05	--	7.10E-02	--	1.11E+03	1.24E+02	--	3.01E-02	--	1.08E-03	2.04E-03	1.90E-08	3.04E-03	2.34E-02	1.28E-02	6.55E-02	4.26E-06
RF	RF015.01-S	1.66	7.00E-07	--	1.42E-03	--	1.41E+01	1.51E+00	--	5.71E-04	--	2.15E-05	3.00E-05	2.33E-10	6.08E-05	3.43E-04	1.61E-04	8.03E-04	8.73E-10
RF	RF029.01-S	4346.69	3.52E-04	5.64E-04	6.97E-01	--	5.13E+03	5.70E+02	--	2.17E-01	1.11E-13	1.06E-02	1.85E-02	8.78E-08	2.99E-02	2.11E-01	6.15E-02	3.02E-01	1.26E-03
RF	RF031.01-S	20.59	1.77E-06	--	3.43E-03	--	3.61E+01	3.85E+00	--	1.30E-03	--	5.20E-05	1.49E-04	5.94E-10	1.47E-04	1.70E-03	4.43E-04	2.04E-03	4.10E-05
RF	RF032.01-S	209.25	3.05E-04	--	6.12E-01	--	6.46E+03	6.99E+02	--	1.49E-01	--	9.27E-03	1.01E-02	1.08E-07	2.62E-02	1.16E-01	7.41E-02	3.70E-01	7.31E-07

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF033.01-S	25.58	2.20E-05	--	4.28E-02	--	5.99E+02	6.44E+01	--	1.81E-02	--	6.48E-04	1.12E-03	9.93E-09	1.83E-03	1.28E-02	6.88E-03	3.41E-02	6.00E-05
RF	RF036.01-S	44.1	9.80E-06	3.17E-05	1.90E-02	--	1.98E+02	2.13E+01	--	8.03E-03	--	2.88E-04	6.34E-04	3.29E-09	8.14E-04	7.28E-03	2.38E-03	1.13E-02	2.98E-03
RF	RF101.01-S	174.96	6.05E-05	4.12E-04	1.18E-01	--	1.26E+03	1.36E+02	--	4.53E-02	--	1.79E-03	6.10E-03	2.11E-08	5.05E-03	6.97E-02	1.59E-02	7.24E-02	8.54E-04
RF	RF101.29-S	30.39	5.36E-06	--	1.04E-02	--	1.17E+02	1.26E+01	--	4.16E-03	--	1.58E-04	7.15E-04	1.94E-09	4.47E-04	8.17E-03	1.52E-03	6.67E-03	2.04E-04
RF	RF101.30-S	117.41	4.85E-05	1.22E-04	9.59E-02	--	6.58E+02	7.14E+01	--	2.49E-02	--	1.45E-03	2.63E-03	1.10E-08	4.11E-03	3.01E-02	8.08E-03	3.79E-02	1.85E-04
RF	RF101.31-S	62.53	9.93E-06	5.32E-06	1.94E-02	--	1.75E+02	1.92E+01	--	8.10E-03	--	2.94E-04	8.18E-04	2.96E-09	8.32E-04	9.35E-03	2.19E-03	1.02E-02	8.29E-05
RF	RF101.35-S	79.56	3.38E-05	--	6.71E-02	--	4.78E+02	5.15E+01	--	2.05E-02	--	1.02E-03	8.13E-03	7.94E-09	2.87E-03	9.29E-02	8.20E-03	2.73E-02	2.19E-04
RF	RF102.01-S	223.63	2.58E-05	7.78E-05	5.08E-02	--	4.29E+02	4.72E+01	--	1.74E-02	--	7.69E-04	1.29E-03	7.27E-09	2.18E-03	1.47E-02	5.06E-03	2.50E-02	3.99E-04
RF	RF102.31-S	124.09	1.92E-05	7.52E-06	3.79E-02	--	2.06E+02	2.25E+01	--	8.31E-03	--	5.74E-04	1.11E-03	3.46E-09	1.62E-03	1.27E-02	2.64E-03	1.19E-02	2.14E-03
RF	RF104.01-S	54.38	1.72E-05	8.90E-05	3.41E-02	--	3.07E+02	3.33E+01	--	9.21E-03	--	5.16E-04	5.79E-04	5.13E-09	1.46E-03	6.62E-03	3.54E-03	1.77E-02	1.40E-04
RF	RF107.01-S	63.44	2.76E-04	--	5.51E-01	--	1.43E+02	1.53E+01	--	5.69E-03	--	8.35E-03	1.83E-03	2.35E-09	2.36E-02	2.18E-02	2.75E-03	8.10E-03	5.98E-02
RF	RF107.03-S	60.94	1.94E-06	--	3.85E-03	--	1.73E+01	1.86E+00	--	6.95E-04	--	5.83E-05	7.46E-03	2.87E-10	1.65E-04	9.48E-02	9.33E-03	9.86E-04	6.86E-01
RF	RF107.04-S	110.31	7.68E-06	--	1.53E-02	--	6.24E+01	6.67E+00	--	2.48E-03	--	2.31E-04	3.27E-04	1.03E-09	6.54E-04	3.96E-03	9.26E-04	3.54E-03	1.54E-02
RF	RF107.05-S	4.37	8.79E-07	--	1.70E-03	--	1.53E+01	1.64E+00	--	6.11E-04	--	2.58E-05	8.70E-04	2.53E-10	7.30E-05	9.94E-03	4.93E-04	8.68E-04	2.81E-06
RF	RF107.06-S	14.35	1.02E-07	--	1.94E-04	--	2.29E+00	2.45E-01	--	9.10E-05	--	2.94E-06	2.26E-04	3.77E-11	8.31E-06	2.86E-03	2.90E-04	1.30E-04	2.01E-02
RF	RF107.07-S	58.88	4.36E-05	6.62E-04	8.59E-02	--	5.43E+02	5.84E+01	--	2.19E-02	--	1.30E-03	1.28E-02	8.99E-09	3.68E-03	1.46E-01	1.06E-02	3.09E-02	2.20E-03
RF	RF110.01-S	9.15	8.60E-06	6.72E-04	1.68E-02	--	9.39E+01	1.01E+01	--	6.44E-03	--	2.54E-04	2.71E-04	1.56E-09	7.19E-04	3.10E-03	1.11E-03	5.36E-03	1.94E-04
RF	RF110.05-S	31.53	1.24E-05	--	2.40E-02	--	3.46E+02	3.68E+01	--	1.01E-02	--	3.64E-04	1.07E-03	5.68E-09	1.03E-03	1.23E-02	4.13E-03	1.95E-02	1.67E-05
RF	RF113.01-S	0.42	1.26E-08	--	2.50E-05	--	2.78E-01	2.97E-02	--	1.11E-05	--	3.78E-07	5.77E-07	4.58E-12	1.07E-06	6.60E-06	3.18E-06	1.58E-05	1.69E-11
RF	RF115.01-S	114.91	6.76E-05	--	1.31E-01	--	1.89E+03	2.03E+02	--	4.84E-02	--	1.99E-03	3.37E-03	3.14E-08	5.63E-03	3.86E-02	2.18E-02	1.08E-01	6.25E-04
RF	RF116.01-S	3.95	2.69E-06	--	5.32E-03	--	7.34E+01	7.85E+00	--	1.49E-03	--	8.06E-05	8.09E-05	1.21E-09	2.28E-04	9.25E-04	8.42E-04	4.16E-03	2.27E-09
RF	RF117.01-S	1.87	9.42E-07	--	1.84E-03	--	1.83E+01	1.97E+00	--	7.17E-04	--	2.78E-05	1.63E-04	3.03E-10	7.87E-05	1.86E-03	2.57E-04	1.04E-03	4.16E-07
RF	RF118.01-S	1432.29	2.07E-03	4.89E-04	4.05E+00	--	5.00E+04	6.21E+03	--	2.14E+00	--	6.14E-02	1.57E-01	9.58E-07	1.74E-01	1.80E+00	5.82E-01	3.29E+00	2.03E-04
RF	RF119.01-S	24.13	6.40E-06	--	1.25E-02	--	1.10E+02	1.20E+01	--	4.38E-03	--	1.89E-04	2.72E-04	1.84E-09	5.35E-04	3.11E-03	1.28E-03	6.34E-03	2.13E-04
RF	RF121.01-S	45.97	3.59E-05	--	6.92E-02	--	1.48E+03	1.63E+02	--	3.00E-02	--	1.05E-03	2.07E-03	2.51E-08	2.97E-03	2.36E-02	1.70E-02	8.64E-02	2.27E-07
RF	RF122.01-S	35.57	3.50E-05	--	1.24E-01	--	1.03E+03	1.14E+02	--	3.42E-02	--	1.87E-03	1.98E-03	1.76E-08	5.30E-03	2.27E-02	1.18E-02	6.05E-02	5.22E-08
RF	RF122.03-S	4.37	3.73E-06	--	7.61E-03	--	1.06E+01	1.14E+00	--	4.23E-04	--	1.15E-04	8.31E-04	1.75E-10	3.26E-04	9.97E-03	7.28E-04	6.03E-04	3.39E-02
RF	RF122.04-S	54.08	3.53E-05	--	7.18E-02	--	1.21E+02	1.29E+01	--	4.82E-03	--	1.09E-03	3.35E-03	1.99E-09	3.08E-03	4.16E-02	4.88E-03	6.85E-03	2.34E-01
RF	RF122.05-S	16.22	4.10E-07	--	8.01E-04	--	4.09E+00	4.39E-01	--	1.64E-04	--	1.21E-05	1.76E-03	6.76E-11	3.43E-05	2.07E-02	1.10E-03	2.33E-04	3.90E-02
RF	RF122.06-S	7.28	7.69E-06	--	1.52E-02	--	1.89E+02	2.06E+01	--	6.25E-03	--	2.30E-04	3.44E-04	3.18E-09	6.51E-04	3.93E-03	2.18E-03	1.09E-02	2.81E-04
RF	RF123.01-S	9.38	8.80E-06	--	1.71E-02	--	2.27E+02	2.43E+01	--	4.88E-03	--	2.58E-04	3.50E-04	3.75E-09	7.31E-04	3.99E-03	2.61E-03	1.29E-02	1.06E-07
RF	RF123.02-S	0.83	3.13E-09	--	5.97E-06	--	6.22E-02	6.68E-03	--	2.51E-06	--	9.05E-08	2.26E-05	1.03E-12	2.56E-07	2.87E-04	2.77E-05	3.54E-06	2.10E-03
RF	RF123.03-S	12.06	3.50E-05	--	7.01E-02	--	1.54E+02	1.65E+01	--	6.20E-03	--	1.06E-03	3.40E-04	2.55E-09	3.00E-03	3.91E-03	1.79E-03	8.77E-03	1.47E-03
RF	RF123.04-S	44.51	2.93E-05	--	5.68E-02	--	6.04E+02	6.50E+01	--	2.44E-02	--	8.61E-04	1.35E-03	1.00E-08	2.43E-03	1.54E-02	6.96E-03	3.44E-02	2.61E-04
RF	RF124.01-S	94.24	8.74E-06	1.76E-06	1.81E-02	--	1.85E+02	1.96E+01	--	6.47E-03	--	2.75E-04	9.55E-04	3.03E-09	7.78E-04	1.09E-02	2.25E-03	1.04E-02	1.42E-04
RF	RF124.02-S	13.31	2.32E-06	--	4.57E-03	--	4.99E+01	5.28E+00	--	1.81E-03	--	6.93E-05	1.28E-04	8.14E-10	1.96E-04	1.46E-03	5.82E-04	2.80E-03	9.05E-08
RF	RF125.01-S	14.39	2.69E-05	--	5.65E-02	--	2.89E+02	3.09E+01	--	7.52E-03	--	8.55E-04	1.23E-03	4.76E-09	2.42E-03	1.41E-02	3.60E-03	1.64E-02	6.28E-04
RF	RF126.01-S	1.04	7.68E-07	--	1.47E-03	--	2.90E+01	3.00E+00	--	5.34E-04	--	2.23E-05	5.09E-05	4.62E-10	6.31E-05	5.82E-04	3.34E-04	1.59E-03	1.22E-08
RF	RF126.04-S	2.08	1.68E-06	--	3.24E-03	--	5.30E+01	5.64E+00	--	1.24E-03	--	4.91E-05	8.95E-05	8.69E-10	1.39E-04	1.02E-03	6.11E-04	2.99E-03	3.34E-08
RF	RF128.01-S	198.22	1.65E-04	--	3.19E-01	--	6.37E+03	7.12E+02	--	1.48E-01	--	4.83E-03	1.20E-02	1.10E-07	1.37E-02	1.37E-01	7.31E-02	3.78E-01	2.55E-07
RF	RF129.01-S	467.76	4.30E-05	4.00E-05	8.44E-02	--	6.50E+02	7.18E+01	--	2.67E-02	4.62E-17	1.28E-03	4.73E-03	1.11E-08	3.62E-03	5.41E-02	8.82E-03	3.81E-02	6.21E-04
RF	RF129.05-S	448.33	5.01E-05	1.34E-04	1.06E-01	--	5.63E+02	6.26E+01	--	2.43E-02	--	1.61E-03	1.77E-03	9.65E-09	4.55E-03	2.03E-02	6.64E-03	3.32E-02	6.32E-05

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RF	RF130.01-S	38.59	3.83E-05	--	8.17E-02	--	3.71E+02	3.99E+01	--	1.50E-02	6.53E-13	1.24E-03	4.21E-03	1.07E-08	3.50E-03	4.81E-02	5.84E-03	2.11E-02	2.29E-03
RF	RF134.02-S	11.34	3.90E-08	--	7.47E-05	--	6.93E-01	7.43E-02	--	2.77E-05	--	1.13E-06	1.45E-06	1.15E-11	3.20E-06	1.65E-05	7.95E-06	3.94E-05	4.24E-11
RF	RF135.01-S	2.29	5.81E-07	--	1.17E-03	--	2.48E+00	2.65E-01	--	9.84E-05	--	1.78E-05	3.60E-05	4.09E-11	5.02E-05	4.52E-04	6.56E-05	1.41E-04	2.89E-03
RF	RF135.02-S	10.4	2.61E-07	--	5.10E-04	--	4.62E+00	4.95E-01	--	1.84E-04	--	7.73E-06	3.59E-04	7.63E-11	2.19E-05	4.11E-03	1.86E-04	2.62E-04	1.17E-06
RF	RF137.01-S	0.42	3.95E-08	--	7.93E-05	--	5.11E-01	5.44E-02	--	2.01E-05	--	1.20E-06	1.04E-06	8.39E-12	3.40E-06	1.19E-05	5.86E-06	2.89E-05	3.07E-11
RF	RF139.01-S	11.65	3.86E-05	--	7.79E-02	--	2.51E+01	2.68E+00	--	9.93E-04	--	1.18E-03	2.75E-04	4.13E-10	3.34E-03	3.32E-03	4.86E-04	1.42E-03	1.30E-02
RF	RF140.01-S	172.16	1.01E-05	5.30E-06	1.96E-02	--	1.86E+02	2.07E+01	--	7.98E-03	--	2.97E-04	4.34E-04	3.20E-09	8.39E-04	4.97E-03	2.13E-03	1.10E-02	4.72E-08
RF	RF141.01-S	45.55	3.34E-05	--	6.39E-02	--	1.36E+03	1.47E+02	--	2.76E-02	--	9.68E-04	2.49E-02	2.27E-08	2.74E-03	2.84E-01	2.42E-02	7.80E-02	7.59E-05
RF	RF141.02-S	175.97	2.25E-04	--	6.75E-01	--	5.56E+03	6.12E+02	--	1.50E-01	--	1.02E-02	3.36E-02	9.44E-08	2.89E-02	3.84E-01	7.32E-02	3.25E-01	8.35E-05
RL	RL105-01	161.63	6.63E-06	5.03E-02	6.91E-02	1.01E-21	1.52E+01	4.06E+00	--	4.11E-03	--	1.05E-03	1.04E-03	1.63E-09	2.96E-03	1.21E-02	6.29E-04	4.18E-03	1.13E-02
RL	RL105-03	67.18	3.52E-06	--	1.16E-02	--	9.58E+00	2.43E+00	--	3.32E-03	--	1.76E-04	2.13E-03	3.74E-10	4.97E-04	2.46E-02	9.55E-04	1.29E-03	1.80E-02
RL	RL200-01	151.97	1.53E-05	--	2.94E-02	--	5.01E+01	1.30E+01	--	1.49E-03	2.64E-10	4.45E-04	5.36E-04	2.01E-09	1.26E-03	6.12E-03	5.74E-04	6.90E-03	2.28E-09
RL	RL200-02	55.95	1.84E-06	--	3.59E-03	--	2.07E+00	3.85E-01	--	1.93E-04	--	7.93E-05	2.05E-05	2.24E-06	1.94E-04	2.28E-04	2.92E-05	2.12E-04	1.54E-04
RL	RL201-01	11.65	2.92E-06	--	5.80E-03	--	1.38E+00	1.57E-01	--	--	--	8.81E-05	9.05E-06	2.43E-11	2.49E-04	2.06E-04	1.59E-05	8.36E-05	7.32E-03
RL	RL202S-01	1.04	5.34E-09	--	1.07E-05	--	5.71E-02	6.33E-03	--	8.29E-07	--	1.63E-07	1.21E-07	9.78E-13	4.60E-07	1.38E-06	6.55E-07	3.36E-06	1.27E-12
RL	RL209E-01	82.44	5.70E-05	--	1.17E-01	--	5.19E+02	8.72E+01	--	3.64E-02	--	1.78E-03	4.18E-03	1.35E-08	5.02E-03	4.78E-02	6.47E-03	4.63E-02	1.31E-03
RL	RL216Z-02	310.71	3.19E-04	--	6.14E-01	--	2.45E+03	3.97E+02	--	5.45E-02	--	9.30E-03	1.49E-02	6.13E-08	2.63E-02	1.71E-01	2.82E-02	2.11E-01	8.32E-08
RL	RL221T-01	6.66	2.06E-10	--	4.11E-07	--	1.57E-03	4.10E-04	--	4.71E-08	--	6.26E-09	1.69E-08	6.37E-14	1.77E-08	1.93E-07	1.81E-08	2.18E-07	7.21E-14
RL	RL221U-01	2.1	5.27E-11	--	1.08E-07	--	4.47E-04	1.95E-05	--	--	--	4.36E-09	3.74E-05	2.51E-11	9.01E-09	4.31E-04	1.45E-05	5.05E-05	3.18E-04
RL	RL222S-01	133.04	2.48E-06	3.28E-05	7.29E-03	--	3.57E+00	8.61E-01	--	9.97E-05	--	4.22E-02	5.55E-05	5.50E-07	6.83E-02	8.42E-04	4.14E-05	4.56E-04	1.49E-02
RL	RL231Z-01	1535.91	3.71E-05	2.20E-03	9.85E-02	--	4.85E+02	5.99E+01	--	2.08E-02	--	1.50E-03	1.06E-02	9.26E-09	4.22E-03	1.21E-01	8.14E-03	3.18E-02	1.61E-02
RL	RL231Z-03	1.46	4.93E-11	--	9.85E-08	--	1.95E-04	5.07E-05	--	5.83E-09	--	1.50E-09	2.10E-09	7.87E-15	4.23E-09	2.39E-08	2.24E-09	2.70E-08	8.92E-15
RL	RL233S-01	67.69	4.25E-06	--	2.31E-02	--	3.99E+01	5.98E+00	--	5.04E-03	--	3.50E-04	2.43E-04	9.22E-10	9.90E-04	2.78E-03	4.67E-04	3.17E-03	1.40E-04
RL	RL233S-03	4.78	4.86E-08	--	4.21E-04	--	3.08E-01	6.00E-02	--	1.40E-04	--	6.37E-06	3.62E-06	9.25E-12	1.80E-05	4.14E-05	3.53E-06	3.18E-05	2.13E-10
RL	RL2718-01	0.62	9.23E-08	--	1.81E-04	--	4.00E-01	1.03E-01	--	1.07E-05	--	2.75E-06	3.85E-06	1.59E-11	7.78E-06	4.40E-05	4.59E-06	5.46E-05	1.64E-11
RL	RL300-01	194.73	5.44E-05	2.39E-03	1.12E-01	--	4.23E+02	8.93E+01	--	4.83E-02	--	1.70E-03	1.36E-02	3.96E-04	4.81E-03	1.57E-01	1.10E-02	4.73E-02	1.10E-01
RL	RL300-03	2.08	9.97E-07	--	1.95E-03	--	7.29E+00	1.77E+00	--	9.22E-04	--	2.96E-05	6.49E-05	2.73E-10	8.36E-05	7.43E-04	8.75E-05	9.38E-04	5.94E-05
RL	RL308-01	604.29	2.67E-03	7.10E-04	5.14E+00	--	7.48E+03	2.24E+03	2.23E-07	6.04E+00	--	1.25E-01	2.06E-01	5.87E-04	2.96E-01	2.36E+00	1.00E-01	1.19E+00	2.14E-01
RL	RL325-01	1373.4	3.31E-04	2.56E-01	9.08E-01	--	1.76E+03	3.34E+02	5.23E-06	2.76E-01	--	4.62E-02	7.30E-02	3.19E-03	9.12E-02	8.37E-01	3.46E-02	1.77E-01	1.51E-01
RL	RL325-03	4.37	1.31E-06	--	4.68E-03	--	6.16E+00	8.53E-01	--	2.41E-04	--	7.10E-05	1.91E-04	1.31E-10	2.01E-04	2.19E-03	1.35E-04	4.52E-04	9.32E-04
RL	RLARG-01	5.62	2.19E-06	--	4.33E-03	--	8.58E+00	2.23E+00	--	2.56E-04	--	6.42E-01	9.22E-05	6.60E-04	1.03E+00	1.05E-03	9.86E-05	1.19E-03	3.92E-10
RL	RLBART-01	0.62	4.49E-13	--	8.76E-10	--	--	--	--	--	--	1.33E-11	--	--	3.76E-11	--	--	--	--
RL	RLBAT-01	44.76	1.60E-06	1.34E-06	4.24E-03	--	6.25E+00	1.63E+00	--	1.99E-04	--	6.44E-05	3.76E-03	4.75E-06	1.82E-04	4.29E-02	1.90E-04	8.65E-04	3.91E-04
RL	RLBET-01	0.42	7.55E-10	--	1.47E-06	--	7.54E-03	1.96E-03	--	2.23E-07	--	2.23E-08	8.07E-08	3.04E-13	6.29E-08	9.21E-07	8.07E-06	1.04E-06	3.41E-13
RL	RLBW-01	405.26	9.40E-05	1.88E-05	1.85E-01	--	6.89E+02	1.51E+02	--	7.67E-02	--	4.69E-02	6.76E-03	2.33E-08	7.91E-02	7.74E-02	8.42E-03	8.02E-02	1.18E-02
RL	RLBW-03	0.83	3.73E-07	--	7.37E-04	--	2.24E+00	5.60E-01	--	3.20E-04	--	1.12E-05	2.98E-05	8.62E-11	3.16E-05	3.41E-04	2.86E-05	2.96E-04	4.47E-05
RL	RLCBWD.001-S	71.7	1.33E-05	--	2.62E-02	--	9.56E+01	2.11E+01	--	1.04E-02	--	1.08E-02	9.73E-04	3.25E-09	1.79E-02	1.11E-02	1.18E-03	1.12E-02	1.49E-03
RL	RLCFF-01	10.82	2.26E-06	--	4.35E-03	--	1.53E+01	3.58E+00	--	1.65E-03	--	6.58E-05	1.15E-04	4.54E-08	1.86E-04	1.32E-03	1.80E-04	1.90E-03	1.24E-04
RL	RLCFF-03	4.99	7.46E-07	--	1.48E-03	--	5.39E+00	1.22E+00	--	4.40E-04	--	2.25E-05	3.92E-05	1.89E-10	6.35E-05	4.49E-04	6.43E-05	6.48E-04	4.90E-05
RL	RLCFFD.001-S	273.7	6.60E-05	--	1.27E-01	--	4.49E+02	1.05E+02	--	4.57E-02	--	1.93E-03	3.38E-03	1.32E-06	5.45E-03	3.86E-02	5.28E-03	5.55E-02	2.99E-03
RL	RLCH2-01	0.21	1.01E-09	--	1.97E-06	--	--	--	--	--	--	2.98E-08	--	--	8.42E-08	--	--	--	--
RL	RLESG-01	49.89	5.05E-06	--	1.01E-02	--	2.71E+01	5.68E+00	--	3.02E-03	--	1.54E-04	5.07E-03	1.39E-05	4.34E-04	5.80E-02	1.78E-03	3.01E-03	1.43E-03

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
 Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RLEXX-01	43.47	6.58E-04	1.28E-05	1.32E+00	--	1.30E+03	5.31E+02	--	1.58E+00	--	2.01E-02	3.77E-02	8.23E-08	5.67E-02	4.30E-01	1.49E-02	2.82E-01	1.81E-05
RL	RLGEV-01	379.34	2.27E-05	--	4.60E-02	--	1.66E+02	3.30E+01	--	1.50E-02	--	6.99E-04	9.26E-03	5.12E-09	1.97E-03	1.06E-01	4.23E-03	1.76E-02	5.29E-02
RL	RLHAN-01	154.73	1.95E-05	1.42E-04	3.81E-02	--	7.69E+01	1.90E+01	5.83E-07	2.37E-03	--	9.27E-03	1.08E-03	1.69E-04	1.57E-02	1.24E-02	9.76E-04	1.01E-02	1.24E-03
RL	RLHMOX.001-S	193.86	1.15E-03	1.68E-04	2.62E+00	--	5.81E+03	1.36E+03	--	1.92E+00	--	3.97E-02	1.18E-01	2.09E-07	1.12E-01	1.35E+00	1.15E-01	7.20E-01	5.96E-01
RL	RLIAEA-01	0.21	9.07E-08	--	1.87E-04	--	1.69E-01	1.01E-01	--	4.21E-04	--	2.84E-06	1.62E-05	1.56E-11	8.02E-06	1.85E-04	1.94E-06	5.35E-05	6.44E-10
RL	RLM233SD.001-S	17.28	6.75E-07	--	5.37E-03	--	8.85E+00	1.15E+00	--	7.80E-04	--	8.14E-05	4.37E-05	1.77E-10	2.30E-04	5.00E-04	1.02E-04	6.09E-04	1.34E-05
RL	RLM308D.001-S	67.07	2.42E-04	4.21E-04	4.85E-01	--	7.25E+02	2.11E+02	--	5.69E-01	--	1.32E-02	2.18E-02	1.56E-04	3.03E-02	2.50E-01	1.01E-02	1.12E-01	2.50E-02
RL	RLM325D.001-S	2.08	4.25E-07	5.84E-05	8.52E-04	--	2.40E+00	4.13E-01	--	2.76E-04	--	1.29E-05	1.17E-04	6.37E-11	3.65E-05	1.33E-03	7.52E-05	2.19E-04	4.54E-05
RL	RLMHASH.001-S	62.19	9.07E-05	--	1.76E-01	--	1.83E+03	2.09E+02	--	8.03E-02	--	3.70E-03	2.47E-03	3.22E-08	9.21E-03	2.82E-02	2.10E-02	1.11E-01	1.23E-07
RL	RLMLB-01	0.42	9.90E-09	--	1.97E-05	--	3.90E-02	4.83E-02	--	1.16E-06	--	3.00E-07	4.19E-07	7.49E-12	8.46E-07	4.78E-06	4.48E-07	2.57E-05	1.78E-12
RL	RLMLL-01	1.04	2.25E-08	--	4.54E-05	--	8.98E-02	2.33E-02	--	2.68E-06	--	6.91E-07	9.67E-07	3.63E-12	1.95E-06	1.10E-05	1.03E-06	1.24E-05	4.11E-12
RL	RLMPDT.001-S	1678.3	4.72E-04	7.28E-04	1.04E+00	--	5.06E+03	7.61E+02	3.75E-07	4.21E-01	--	2.21E-01	3.39E-02	3.50E-06	3.77E-01	3.88E-01	5.90E-02	4.03E-01	7.55E-03
RL	RLMPURX.001-S	117.89	8.69E-05	4.51E-05	1.67E-01	--	7.36E+02	1.34E+02	--	9.72E-02	--	2.65E-02	6.11E-03	2.07E-08	4.59E-02	6.98E-02	8.46E-03	7.11E-02	2.62E-04
RL	RLMSSC.001-S	64.69	1.08E-04	--	2.07E-01	--	2.09E+03	2.14E+02	--	7.11E-02	--	3.14E-03	6.75E-03	3.30E-08	8.87E-03	7.72E-02	2.40E-02	1.14E-01	3.93E-04
RL	RLMWARD.001-S	20.59	3.07E-06	--	6.07E-03	--	7.75E+00	2.46E+00	--	5.42E-03	--	9.19E-05	5.37E-04	3.79E-10	2.60E-04	6.15E-03	2.02E-04	1.30E-03	1.02E-03
RL	RLNPDT.002-S	438.3	8.85E-05	1.36E-03	1.73E-01	--	1.51E+03	1.66E+02	--	8.24E-02	--	2.62E-03	6.75E-03	8.77E-08	7.40E-03	7.71E-02	1.74E-02	8.79E-02	4.35E-04
RL	RLNPURX.001-S	38.82	4.31E-05	1.61E-05	8.22E-02	--	3.09E+02	5.53E+01	--	4.93E-02	--	1.25E-03	3.15E-03	8.54E-09	3.52E-03	3.60E-02	3.54E-03	2.93E-02	7.53E-08
RL	RLPPF-01	12412.85	4.74E-03	2.93E-03	9.68E+00	--	5.37E+04	8.04E+03	--	4.59E+00	--	1.87E+00	6.03E-01	4.93E-04	3.20E+00	6.92E+00	7.13E-01	4.26E+00	1.79E+00
RL	RLPPF-03	22.26	2.42E-05	--	4.76E-02	--	2.47E+02	3.67E+01	--	2.13E-02	--	3.56E-03	3.48E-03	5.66E-09	6.62E-03	3.98E-02	2.97E-03	1.95E-02	1.11E-03
RL	RLPPF-04	3.74	2.98E-08	--	5.73E-05	--	6.41E-01	7.37E-02	--	1.78E-05	--	8.68E-07	1.89E-06	1.13E-11	2.45E-06	2.16E-05	7.35E-06	3.90E-05	2.71E-11
RL	RLPRC-01	2.1	1.77E-08	--	3.48E-05	--	2.58E-01	3.03E-02	--	5.78E-06	--	5.29E-07	1.25E-06	1.04E-04	1.49E-06	1.43E-05	3.02E-06	1.61E-05	1.15E-06
RL	RLPURX-01	598.06	5.42E-04	1.57E-04	1.04E+00	--	4.68E+03	8.32E+02	--	5.69E-01	--	8.92E-01	3.80E-02	1.28E-07	1.46E+00	4.35E-01	5.38E-02	4.41E-01	1.87E-03
RL	RLRFETS.001-S	63.86	7.56E-05	--	1.46E-01	--	2.85E+03	2.19E+02	--	6.42E-02	--	6.67E-03	2.99E-03	3.37E-08	1.34E-02	3.42E-02	3.29E-02	1.16E-01	9.80E-08
RL	RLSWO-01	311.18	3.49E-05	1.07E-05	6.95E-02	--	3.53E+02	5.31E+01	--	1.99E-02	--	1.68E-02	1.89E-03	8.17E-09	2.83E-02	2.16E-02	4.21E-03	2.81E-02	9.17E-04
RL	RLSWOCD.001-S	5.82	5.95E-07	--	1.15E-03	--	8.08E+00	1.14E+00	--	3.28E-04	--	1.75E-05	3.58E-05	1.76E-10	4.95E-05	4.10E-04	9.40E-05	6.04E-04	1.57E-08
RL	RLVIPAC.001-S	154.98	4.28E-05	6.62E-06	8.56E-02	--	7.32E+02	1.03E+02	--	8.66E-02	--	1.05E-02	4.94E-02	1.59E-08	1.85E-02	5.69E-01	2.20E-02	5.48E-02	2.62E-01
RL	RLWAR-01	716.89	7.28E-05	--	1.43E-01	--	1.85E+02	5.87E+01	--	1.32E-01	--	2.17E-03	1.26E-02	9.04E-09	6.14E-03	1.45E-01	4.79E-03	3.11E-02	1.41E-02
RL	RLWAR-03	2.5	6.67E-07	--	1.33E-03	--	1.50E+00	4.35E-01	--	9.79E-04	--	2.02E-05	5.14E-05	6.70E-11	5.70E-05	5.88E-04	1.72E-05	2.31E-04	1.49E-09
SA	SA-T001	6.37	1.10E-07	--	2.37E-04	--	2.67E+00	7.32E-03	--	--	--	3.59E-06	7.60E-06	4.65E-03	1.02E-05	8.68E-05	3.07E-05	3.88E-06	--
SA	SA-W134	14.14	1.02E-06	5.95E-07	1.64E-02	4.03E-25	6.26E-01	4.01E-02	--	1.05E-09	--	1.35E-03	3.31E-04	6.20E-12	2.48E-03	3.79E-03	2.32E-04	2.13E-05	4.09E-04
SA	SA-W134M	2.08	2.16E-08	3.10E-10	5.11E-05	2.11E-28	4.53E-02	7.53E-03	--	5.50E-13	--	2.65E-03	3.88E-04	1.16E-12	4.28E-03	4.43E-03	4.77E-05	4.00E-06	6.24E-05
SA	SA-W136	25.62	1.04E-07	--	1.95E-04	--	1.10E+01	1.16E+00	--	3.83E-04	--	2.95E-06	2.65E-05	1.79E-10	8.36E-06	3.03E-04	1.26E-04	6.14E-04	5.84E-10
SR	SR2001.001.00-S	61.15	1.79E-07	--	3.41E-04	--	7.24E+00	6.63E-01	--	1.90E-04	--	5.17E-06	3.44E-05	1.02E-10	1.46E-05	3.93E-04	8.30E-05	3.52E-04	2.90E-10
SR	SR2002.002.00-S	69.89	5.89E-07	--	1.13E-03	--	8.50E+00	9.06E-01	--	3.51E-04	--	5.25E-02	1.48E-05	1.40E-10	8.49E-02	1.69E-04	9.75E-05	4.80E-04	5.36E-10
SR	SR-BCLCH-MT01	11.34	4.23E-06	--	8.07E-03	--	4.66E+01	5.64E+00	--	2.61E-03	--	1.22E-04	1.18E-01	8.69E-10	3.46E-04	1.35E+00	5.35E-04	2.99E-03	3.98E-09
SR	SR-SWMF-HET-A	731.23	1.96E-05	4.72E-02	7.85E-02	--	2.89E+02	2.93E+01	--	1.15E+00	--	1.65E-03	1.07E-01	4.66E-09	4.11E-03	1.24E+00	3.47E-03	1.58E-02	1.37E+00
SR	SR-SWMF-SOIL	2.91	2.16E-02	1.91E+00	9.30E-04	2.87E-21	7.89E-01	1.05E+00	2.16E-02	2.25E-03	1.32E-10	1.32E-05	2.48E-04	1.63E-10	3.80E-05	2.83E-03	4.85E-06	5.59E-04	3.02E-09
SR	SR-T001-221H-HEPA	298.79	4.61E-07	--	1.20E-02	--	8.69E+00	1.29E+00	--	7.47E-04	--	2.59E-02	1.62E-02	6.42E-10	4.20E-02	1.85E-01	1.70E-04	1.58E-03	4.86E-05
SR	SR-W026-221F-HEPA	1588.04	4.51E-05	--	8.67E-02	--	8.92E+02	9.61E+01	--	9.97E-02	--	1.32E-03	2.10E-02	1.49E-08	3.72E-03	2.40E-01	1.02E-02	5.10E-02	1.78E-07
SR	SR-W026-221F-HET	867.37	1.50E-04	3.00E-04	4.94E-02	3.40E-22	2.81E+02	2.98E+01	1.25E-04	1.93E-01	--	5.06E-02	6.95E-03	4.66E-09	8.27E-02	7.95E-02	3.89E-03	1.59E-02	7.83E-04
SR	SR-W026-221F-HET-S	574.42	4.98E-05	2.18E-05	9.35E-02	--	8.82E+02	1.14E+02	3.56E-06	3.84E-02	--	1.42E-03	2.25E-02	3.96E-05	4.01E-03	2.58E-01	1.19E-02	6.03E-02	1.29E-02
SR	SR-W026-221F-HOM	8.45	6.14E-08	--	1.19E-04	--	1.93E+00	1.72E-01	--	5.99E-05	--	1.81E-06	2.40E-05	2.67E-11	5.10E-06	2.74E-04	2.22E-05	9.16E-05	1.29E-09

Table B 11. Waste Stream-Level CH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033
Continued

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
SR	SR-W026-772F-HET	501.86	1.03E-05	--	1.98E-01	--	8.28E+01	9.74E+00	--	2.89E-02	--	4.28E-03	3.51E-01	2.05E-09	1.05E-02	4.02E+00	2.08E-03	6.26E-03	3.67E-03
SR	SR-W026-772F-HET-S	1419.83	3.84E-05	3.11E-04	1.81E-01	--	2.47E+02	3.14E+01	1.35E-05	1.44E-02	--	4.66E-02	2.30E-01	4.55E-04	7.86E-02	2.63E+00	4.13E-03	1.66E-02	1.04E-03
SR	SR-W027-221F-HET	636.58	1.18E-04	--	2.25E-01	--	1.36E+03	1.48E+02	--	1.35E-01	--	3.41E-03	3.27E-02	2.28E-08	9.65E-03	3.74E-01	1.56E-02	7.84E-02	4.93E-06
SR	SR-W027-221F-HETA-S	2110.05	1.67E-04	3.36E-05	2.21E-01	--	1.52E+03	2.19E+02	5.66E-05	1.03E-01	--	9.30E-02	4.07E-02	1.07E-04	1.54E-01	4.65E-01	1.76E-02	1.16E-01	2.20E-03
SR	SR-W027-221F-HOM	3.33	1.06E-06	--	2.10E-03	--	1.26E+01	1.37E+00	--	6.72E-04	--	3.19E-05	3.04E-04	2.12E-10	9.01E-05	3.47E-03	1.45E-04	7.27E-04	1.03E-09
SR	SR-W027-221H-HEPA	162.54	4.98E-07	--	1.89E-02	--	4.26E+00	9.18E-01	--	2.45E-03	--	5.17E-04	1.62E-01	3.38E-10	1.18E-03	1.85E+00	7.97E-05	8.82E-04	1.34E-06
SR	SR-W027-221H-HET	2640	6.50E-05	2.99E-04	1.41E+01	--	1.34E+03	2.09E+02	--	2.47E-01	--	2.23E-01	1.44E+01	7.98E-08	6.20E-01	1.65E+02	6.80E-02	2.07E-01	6.53E-03
SR	SR-W027-221H-HET-S	2885.74	6.81E-05	8.19E-03	6.45E-01	--	1.24E+02	1.90E+01	2.88E-05	3.18E-02	--	4.13E-01	2.87E+00	4.93E-03	6.78E-01	3.28E+01	4.26E-03	1.01E-02	3.56E-03
SR	SR-W027-221H-HOM	1.04	7.31E-09	--	1.49E-05	--	1.51E-01	3.61E-02	--	3.20E-05	--	2.27E-07	2.75E-04	6.09E-12	6.39E-07	3.13E-03	3.32E-05	2.02E-05	3.01E-06
SR	SR-W027-235F-HET	569.4	2.14E-05	--	1.70E+00	--	6.98E+01	1.59E+01	--	1.21E-01	--	2.57E-02	2.83E+00	2.45E-09	7.27E-02	3.23E+01	8.34E-04	8.43E-03	6.02E-04
SR	SR-W027-235F-HET-S	394.57	1.24E-05	2.05E-05	5.80E-01	--	1.72E+01	4.28E+00	5.91E-06	6.67E-03	--	8.78E-03	3.94E-01	4.29E-04	2.48E-02	4.50E+00	1.38E-03	2.27E-03	2.53E-04
SR	SR-W027-235F-HOMO	3.33	1.05E-07	--	2.04E-04	--	4.54E-01	1.14E-01	--	3.82E-04	--	3.10E-06	2.64E-02	1.76E-11	8.76E-06	3.02E-01	5.21E-06	6.04E-05	5.85E-10
SR	SR-W027-773A-HET	4449.74	8.66E-02	7.66E+00	4.27E-01	1.29E-20	5.95E+02	6.80E+01	8.64E-02	7.76E-01	2.60E-08	3.12E-02	4.61E-01	1.34E-08	5.83E-02	5.27E+00	7.87E-03	4.19E-02	2.00E-03
SR	SR-W027-773A-HET-S	505.72	8.18E-04	1.56E-01	7.54E-02	4.38E-23	7.90E+01	8.74E+00	8.10E-04	2.81E-03	--	2.97E-03	1.36E-01	2.03E-04	6.19E-03	1.56E+00	1.20E-03	4.63E-03	4.06E-03
SR	SR-W027-999-AGNS-HET	45.87	2.27E-07	--	3.01E-03	--	2.36E+00	3.27E-01	--	1.14E-04	--	4.58E-05	7.91E-05	6.95E-11	1.29E-04	9.02E-04	3.54E-05	2.12E-04	1.20E-07
SR	SR-W027-999-AGNS-HOM	3.33	2.13E-07	--	2.13E-03	--	2.60E+00	2.81E-01	--	1.38E-04	--	3.24E-05	8.17E-05	4.36E-11	9.13E-05	9.36E-04	4.09E-05	1.49E-04	2.37E-04
SR	SR-W027-999-LASL-HET	124.8	9.03E-06	--	1.81E-02	--	1.81E+01	5.17E+00	--	1.69E-02	--	2.76E-04	1.05E+00	8.04E-10	7.80E-04	1.19E+01	2.08E-04	2.75E-03	2.59E-08
SR	SR-W027-999-LASL-HOM	18.72	2.90E-06	--	5.83E-03	--	8.16E+00	2.17E+00	--	7.20E-03	--	8.88E-05	4.74E-01	3.37E-10	2.50E-04	5.41E+00	9.39E-05	1.15E-03	1.10E-08
SR	SR-W027-999-MD-HET	8974.57	9.04E-05	--	1.81E-01	2.87E-21	5.59E+02	1.38E+02	--	4.46E-01	2.47E-12	4.75E-02	3.05E+01	2.14E-08	7.99E-02	3.48E+02	6.83E-03	7.34E-02	8.76E-03
SR	SR-W027-999-MD-HOM-A	2.7	1.15E-08	--	1.13E-04	--	5.21E-02	1.92E-03	--	--	--	1.72E-06	3.98E-03	2.98E-13	4.86E-06	4.54E-02	1.67E-06	1.02E-06	--
SR	SR-W027-999-MD-HOM-B	22.64	4.60E-10	--	1.39E-06	--	--	--	--	--	--	2.12E-08	7.98E-06	--	5.97E-08	9.10E-05	--	--	--
SR	SR-W027-999-MD-HOM-C	3.01	2.09E-10	--	4.23E-07	3.56E-23	1.78E-04	--	--	1.01E-07	--	6.45E-09	2.32E-05	--	1.82E-08	2.65E-04	2.05E-09	--	1.55E-13
SR	SR-W027-999-MD-SOIL	482.01	7.13E-09	--	2.20E-04	4.76E-23	6.75E-01	--	--	1.35E-07	--	3.35E-06	1.02E-03	--	9.47E-06	1.16E-02	7.76E-06	--	2.07E-13
SR	SR-W027-FB-PRE86-C-S	2565.65	2.36E-04	6.12E-05	2.92E-01	--	2.23E+03	2.45E+02	1.13E-04	1.86E-01	--	9.37E-03	1.94E-02	9.85E-05	2.05E-02	2.22E-01	2.57E-02	1.30E-01	9.44E-04
SR	SR-W027-HBL-Box-A	7856.75	9.89E-06	--	9.14E-01	--	3.65E+01	9.14E+00	--	3.07E-02	--	1.39E-02	2.12E+00	1.41E-09	3.92E-02	2.42E+01	4.19E-04	4.86E-03	4.70E-08
SR	SR-W027-SRSG-HET	989.45	8.96E-05	1.53E-04	2.32E-01	3.93E-24	1.64E+02	1.78E+01	1.56E-05	1.12E-02	--	3.73E-03	1.44E-01	4.29E-09	1.03E-02	1.64E+00	2.14E-03	1.25E-02	8.73E-05
SR	SR-W027-SRSG-HOM	66.94	1.15E-03	1.76E-02	3.21E-01	3.88E-24	1.00E+02	6.31E+00	1.15E-03	1.32E+00	--	7.78E-01	3.26E-01	5.43E-09	1.26E+00	3.72E+00	3.53E-03	1.23E-02	1.42E-01
Total		168485	2.17E+00	2.81E+01	1.34E+02	7.17E-19	3.82E+05	4.98E+04	2.11E+00	7.33E+01	3.58E-04	9.78E+01	7.13E+01	2.75E-01	1.55E+02	8.09E+02	8.79E+00	2.76E+01	2.71E+01

Table B 12. Waste Stream-Level RH Disposal Volumes (m³) and Radionuclide Activities (Ci) Decayed Through 12033

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
AE	AE-T009	2151.31	2.06E-05	2.22E-04	6.99E-02	--	2.37E+02	2.39E+01	--	--	--	3.03E-03	6.27E-03	3.71E-09	6.18E-03	7.15E-02	5.52E-03	1.27E-02	1.10E-03
AW	AW-T031.1322	114.51	2.80E-06	3.72E-04	8.52E-03	2.47E-22	2.72E+02	1.20E+01	--	9.53E-04	--	1.30E-04	1.67E-01	1.87E-08	3.66E-04	1.91E+00	1.04E-02	4.05E-02	1.02E-02
AW	AW-W026	0.89	1.28E-08	--	2.54E-05	--	1.66E-02	--	--	--	--	3.85E-07	3.82E-10	--	1.09E-06	8.68E-09	2.47E-06	--	3.09E-07
AW	AW-W028	79.83	--	--	--	--	1.46E+00	3.53E-02	--	--	--	--	6.67E-08	5.46E-12	--	1.51E-06	1.17E-04	1.87E-05	5.39E-05
AW	AW-W046	40.8	7.60E-07	--	2.37E-03	--	3.50E+00	1.03E+00	--	6.80E-04	--	3.59E-05	2.76E-04	1.58E-10	1.01E-04	3.76E-03	1.12E-02	5.43E-04	4.33E-02
AW	AW-W047	22.57	--	--	--	--	6.98E-03	--	--	--	--	--	--	--	--	--	8.00E-08	--	--
BT	BT-T001	2.67	7.17E-07	7.60E-03	2.77E-02	1.41E-22	2.85E-01	1.46E-01	2.93E-07	2.94E-03	--	4.88E+00	1.05E-01	2.27E-03	7.87E+00	1.19E+00	6.65E-03	7.56E-02	4.62E-05
BT	BT-T007	0.89	2.39E-07	2.53E-03	9.23E-03	4.69E-23	9.51E-02	4.87E-02	9.76E-08	9.79E-04	--	1.63E+00	3.51E-02	7.56E-04	2.62E+00	3.98E-01	2.22E-03	2.52E-02	1.54E-05
IN	ID-ANLE-S5000-S	88.11	2.43E-06	--	4.66E-03	--	2.19E+01	5.34E+00	--	8.64E-01	--	4.53E-02	8.28E-03	8.22E-10	7.32E-02	9.47E-02	3.59E-03	2.83E-03	5.68E-04
IN	IN-AE-AGHC-01	95.23	5.79E-06	--	1.11E-02	--	5.53E+01	1.34E+01	--	1.20E-02	--	7.83E-02	2.09E-02	2.07E-09	1.27E-01	2.39E-01	9.08E-03	7.11E-03	1.42E-03
IN	IN-AW-161	1.78	--	--	--	--	1.73E+00	1.69E-02	--	--	--	--	1.36E-10	2.62E-12	--	3.09E-09	2.13E-05	9.00E-06	1.10E-07
IN	IN-ID-BTO-030	1.78	5.59E-10	2.69E-04	7.25E-04	7.20E-24	4.74E-03	2.15E-03	--	5.91E-05	--	8.44E-02	2.06E-04	1.48E-05	1.36E-01	2.35E-03	7.98E-05	1.14E-06	9.04E-11
IN	IN-ID-INL-152	16.91	--	--	2.34E-05	--	4.84E+00	8.63E-01	--	--	--	3.91E-02	8.13E-07	4.06E-05	6.31E-02	1.85E-05	2.66E-03	4.59E-04	6.58E-04
IN	IN-INTEC-SFS-01	0.89	2.10E-07	--	4.12E-04	--	1.81E-01	9.65E-02	--	9.88E-04	--	6.27E-06	6.46E-05	1.50E-11	1.77E-05	7.36E-04	1.07E-05	5.14E-05	1.51E-09
IN	IN-NRF-153	8.01	1.54E-09	--	3.01E-06	--	2.43E-03	1.21E-03	--	1.14E-05	--	4.58E-08	8.80E-06	1.88E-13	1.29E-07	1.00E-04	4.75E-05	6.43E-07	1.75E-11
IN	IN-TRA-150	3.56	3.93E-06	--	7.82E-03	--	--	--	--	--	--	1.19E-04	1.37E-03	--	3.35E-04	1.57E-02	--	--	--
IN	IN-TRA-157	4.45	1.62E-08	--	3.21E-05	--	3.13E-03	1.89E-05	--	--	--	1.23E-03	5.83E-05	2.92E-15	1.99E-03	6.65E-04	3.59E-08	1.00E-08	--
IN	IN-W208.243	0.89	2.08E-06	--	4.10E-03	--	3.19E+01	3.31E+00	--	6.82E-04	--	6.22E-05	4.60E-05	5.13E-10	1.76E-04	5.25E-04	4.00E-04	1.76E-03	1.04E-09
IN	IN-W216.876	15.13	8.00E-05	--	1.60E-01	--	2.61E+01	2.73E+00	--	5.59E-04	--	2.42E-03	3.77E-05	4.22E-10	6.85E-03	4.30E-04	2.99E-04	1.45E-03	8.54E-10
IN	IN-W216.877	43.61	1.15E-04	--	2.30E-01	--	3.76E+01	3.92E+00	--	8.05E-04	--	3.49E-03	5.43E-05	6.08E-10	9.85E-03	6.20E-04	4.31E-04	2.09E-03	1.23E-09
IN	IN-W228.884	8.9	7.00E-07	--	1.39E-03	--	1.22E+00	1.27E-01	--	2.60E-05	--	2.12E-05	1.76E-06	1.97E-11	5.97E-05	2.01E-05	1.40E-05	6.76E-05	3.98E-11
IN	IN-W228.885	0.89	1.16E-08	--	2.32E-05	--	2.03E-02	2.12E-03	--	4.35E-07	--	3.52E-07	2.94E-08	3.29E-13	9.94E-07	3.36E-07	2.34E-07	1.13E-06	6.65E-13
IN	IN-W228.886	21.36	8.40E-07	--	1.67E-03	--	1.46E+00	1.52E-01	--	3.13E-05	--	2.54E-05	2.11E-06	2.36E-11	7.17E-05	2.41E-05	1.68E-05	8.10E-05	4.78E-11
IN	IN-W243.276	3.56	2.15E-07	--	4.18E-04	--	5.70E+00	5.95E-01	--	1.22E-04	--	6.34E-06	8.21E-06	9.21E-11	1.79E-05	9.38E-05	6.77E-05	3.16E-04	1.52E-07
IN	IN-W243.277	1.78	4.30E-07	--	8.36E-04	--	1.14E+01	1.19E+00	--	2.43E-04	--	1.27E-05	1.64E-05	1.84E-10	3.59E-05	1.88E-04	1.35E-04	6.33E-04	3.03E-07
IN	IN-W252.282	17.8	3.18E-06	--	6.15E-03	--	9.66E+01	1.01E+01	--	2.06E-03	--	9.35E-05	1.39E-04	1.56E-09	2.64E-04	1.59E-03	1.11E-03	5.35E-03	3.15E-09
IN	IN-W254.1045	1.78	1.63E-07	--	3.13E-04	--	5.77E+00	6.03E-01	--	1.24E-04	--	4.76E-06	8.33E-06	9.34E-11	1.34E-05	9.51E-05	6.63E-05	3.20E-04	1.89E-10
IN	IN-W294.343	8.9	6.57E-07	--	1.27E-03	--	2.10E+01	2.19E+00	--	4.49E-04	--	1.93E-05	3.02E-05	3.39E-10	5.45E-05	3.45E-04	2.59E-04	1.16E-03	6.87E-10
IN	IN-W296.330	12.46	2.23E-07	--	4.70E-04	--	6.80E+00	7.09E-01	--	1.46E-04	--	7.14E-06	9.80E-06	1.10E-10	2.02E-05	1.12E-04	7.95E-05	3.77E-04	2.23E-10
IN	IN-W296.331	12.46	7.47E-07	--	1.57E-03	--	2.27E+01	2.37E+00	--	4.86E-04	--	2.39E-05	3.27E-05	3.66E-10	6.75E-05	3.73E-04	2.65E-04	1.26E-03	7.43E-10
IN	IN-W298.318	8.01	3.01E-06	--	5.85E-03	--	7.20E+01	7.54E+00	--	1.55E-03	--	8.89E-05	1.04E-04	1.17E-09	2.51E-04	1.19E-03	8.27E-04	4.01E-03	2.37E-09
KA	KA-T001	381.47	8.83E-07	8.28E-05	3.45E-03	--	2.29E-02	2.64E-03	8.65E-07	2.86E-05	6.90E-12	5.33E-05	2.00E-03	1.53E-09	1.50E-04	2.29E-02	2.91E-04	2.75E-03	1.27E-06
KA	KA-W016	39.02	9.03E-08	8.47E-06	3.53E-04	--	2.34E-03	2.70E-04	8.85E-08	2.92E-06	7.06E-13	5.45E-06	2.05E-04	1.57E-10	1.53E-05	2.34E-03	2.97E-05	2.82E-04	1.30E-07
LA	LA-TA-00-03	0.89	--	--	--	--	9.28E+00	--	--	--	--	--	--	--	--	--	1.07E-04	--	--
LA	LA-TA-03-27	97.01	3.16E-07	--	6.19E-04	--	1.74E+02	8.73E-01	--	1.49E-03	--	9.41E-06	1.97E-04	1.39E-10	2.66E-05	2.25E-03	1.13E-02	4.73E-04	4.09E-05
OR	OR-REDC-RH-HET	530.28	2.11E-05	2.78E-02	3.07E-04	--	3.35E-01	3.59E-01	2.09E-05	1.48E-02	1.93E-07	4.66E-06	2.31E-05	5.56E-11	1.32E-05	2.64E-04	3.79E-06	1.91E-04	1.78E-08
OR	OR-TBD-RH-HET	266.45	2.70E-03	5.98E-01	7.19E-02	--	2.22E+01	8.74E+00	2.67E-03	7.23E-02	3.98E-07	2.00E+01	7.43E-03	1.95E-03	3.23E+01	8.48E-02	1.65E-03	4.76E-03	5.98E-04
OR	OR-W213-RH-HET	158.56	6.10E-07	6.54E-04	6.77E-03	--	2.00E+00	1.15E-03	--	1.45E-03	--	4.60E+00	3.10E-02	6.36E-02	4.93E+00	2.86E-01	4.38E-03	4.63E-03	5.54E-02
RL	RL105-07	97.9	9.70E-07	4.54E-06	2.10E-03	1.29E-24	2.99E+00	7.01E-01	--	2.53E-04	--	3.19E-05	8.48E-04	1.54E-05	9.01E-05	9.84E-03	4.75E-04	2.12E-03	1.08E-02
RL	RL105-09	347.99	8.54E-06	--	2.57E-02	--	2.66E+01	6.75E+00	--	9.23E-03	--	3.89E-04	5.60E-03	4.82E-08	1.10E-03	6.47E-02	2.66E-03	9.88E-02	5.09E-02
RL	RL209E-08	0.89	3.06E-07	--	6.24E-04	--	2.61E+00	4.21E-01	--	1.50E-04	--	9.49E-06	1.66E-05	6.53E-11	2.68E-05	1.89E-04	3.00E-05	2.24E-04	2.29E-10

Site ID	Waste Stream ID	Volume	Am-241	Am-243	Np-237	Pu-238	Pu-239	Pu-240	Pu-241	Pu-242	Pu-244	Th-229	Th-230	Th-232	U-233	U-234	U-235	U-236	U-238
RL	RL22S-08	3.56	9.40E-08	9.94E-03	1.18E-02	--	4.80E+00	7.47E-02	--	5.63E-04	2.33E-06	2.65E-01	2.51E-06	1.15E-11	4.28E-01	3.42E-05	7.83E-05	3.96E-05	3.93E-04
RL	RL325-08	224.28	5.04E-05	1.77E-01	4.10E-01	--	5.02E+01	2.44E+01	--	9.38E-02	--	6.23E-03	1.61E-02	1.80E-07	1.76E-02	1.84E-01	1.73E-03	1.29E-02	3.53E-03
RL	RL325-09	0.89	2.53E-09	7.22E-06	4.88E-06	--	2.16E-04	9.69E-04	--	1.97E-08	--	7.39E-08	5.14E-08	1.49E-13	2.09E-07	5.89E-07	2.56E-09	5.14E-07	5.00E-08
RL	RLBART-08	0.89	4.67E-08	--	9.43E-05	--	2.53E-06	5.65E-07	--	4.64E-10	--	1.43E-06	1.66E-11	8.76E-17	4.05E-06	1.89E-10	2.91E-11	3.01E-10	7.10E-16
RL	RLBAT-08	6.23	1.07E-04	1.12E-02	1.20E-03	1.99E-22	3.64E-01	2.73E-01	1.06E-04	2.05E-03	--	1.82E-05	1.50E-04	8.12E-11	5.16E-05	1.71E-03	2.31E-05	2.24E-04	3.67E-04
RL	RLBW-08	1.78	3.59E-07	--	7.24E-04	--	1.10E+00	3.03E-01	--	4.40E-04	--	1.10E-05	2.58E-05	4.67E-11	3.10E-05	2.95E-04	1.35E-05	1.61E-04	1.87E-05
RL	RLESG-08	29.37	5.98E-07	--	1.15E-03	--	2.38E+00	5.85E-01	--	6.26E-05	--	1.75E-05	2.24E-05	9.02E-11	4.94E-05	2.56E-04	2.73E-05	3.10E-04	9.56E-11
RL	RLGEV-08	7.12	2.21E-06	--	4.31E-03	--	3.39E+01	7.70E+00	--	2.21E-03	--	6.55E-05	3.18E-04	1.19E-09	1.85E-04	3.63E-03	3.90E-04	4.10E-03	3.38E-09
RL	RLPFP-08	19.58	3.78E-06	--	7.29E-03	--	2.84E+01	4.61E+00	--	2.99E-03	--	1.10E-04	2.41E-04	7.09E-10	3.12E-04	2.75E-03	3.31E-04	2.44E-03	5.42E-06
RL	RLPURX-07	41.83	1.01E-04	--	2.01E-01	--	8.14E+02	1.75E+02	--	6.75E-02	--	3.06E-03	6.59E-03	2.71E-08	8.65E-03	7.52E-02	9.36E-03	9.30E-02	1.03E-07
RL	RLSWO-08	27.59	2.69E-05	--	5.25E-02	--	2.35E+00	1.07E+00	--	4.74E-03	--	7.96E-04	3.95E-02	1.65E-10	2.25E-03	4.51E-01	2.70E-05	5.66E-04	7.24E-09
RL	RLWTP-08	1777.74	3.84E-06	1.67E-03	3.10E-02	--	1.82E+01	1.43E+00	--	2.79E-04	--	1.05E-01	9.99E-03	1.14E-09	1.70E-01	1.16E-01	5.15E-03	2.61E-03	1.10E-01
SA	SA-W135	6.23	3.00E-06	--	7.08E-03	--	2.89E+00	2.01E-01	--	--	--	1.07E-04	1.03E-03	3.10E-11	3.03E-04	1.18E-02	7.81E-04	1.06E-04	2.49E-04
SR	SR-BCLRH-MT01	0.89	1.44E-04	7.46E-03	1.02E-03	1.37E-22	2.40E-01	1.80E-01	1.44E-04	1.51E-03	--	1.55E-05	1.50E-04	1.12E-10	4.39E-05	1.72E-03	1.55E-05	2.65E-04	2.49E-04
SR	SR-BCLRH-T001	0.89	1.00E-06	5.17E-05	7.09E-06	9.50E-25	1.66E-03	1.25E-03	1.00E-06	1.05E-05	--	1.08E-07	1.05E-06	7.78E-13	3.04E-07	1.20E-05	1.08E-07	1.84E-06	1.73E-06
SR	SR-BCLRH-T002	1.78	9.81E-08	--	1.91E-04	--	8.77E-02	6.62E-02	--	--	--	2.91E-06	7.83E-05	6.10E-11	8.20E-06	8.97E-04	8.80E-06	1.38E-04	1.48E-04
SR	SR-BCLRH-T003	12.46	1.01E-04	5.20E-03	7.14E-04	9.55E-23	1.67E-01	1.25E-01	1.00E-04	1.06E-03	--	1.08E-05	1.05E-04	7.83E-11	3.06E-05	1.20E-03	1.08E-05	1.85E-04	1.73E-04
SR	SR-BCLRH-T004	11.57	3.01E-03	1.55E-01	2.13E-02	2.85E-21	4.99E+00	3.75E+00	3.00E-03	3.16E-02	--	3.24E-04	3.13E-03	2.34E-09	9.15E-04	3.59E-02	3.25E-04	5.54E-03	5.21E-03
SR	SR-BCLRH-T005	0.89	2.06E-04	1.06E-02	1.46E-03	1.96E-22	3.41E-01	2.56E-01	2.05E-04	2.16E-03	--	2.21E-05	2.15E-04	1.60E-10	6.25E-05	2.46E-03	2.22E-05	3.78E-04	3.56E-04
SR	SR-BCLRH-T006	0.89	4.84E-05	2.49E-03	3.42E-04	4.57E-23	8.03E-02	6.03E-02	4.82E-05	5.07E-04	--	5.19E-06	5.02E-05	3.75E-11	1.47E-05	5.75E-04	5.22E-06	8.89E-05	8.34E-05
SR	SR-BCLRH-T007	0.89	3.97E-07	2.05E-05	2.83E-06	3.78E-25	6.61E-04	4.97E-04	3.96E-07	4.17E-06	--	4.28E-08	4.15E-07	3.09E-13	1.21E-07	4.76E-06	4.31E-08	7.33E-07	6.89E-07
SR	SR-BCLRH-T008	0.89	4.76E-06	2.45E-04	3.37E-05	4.53E-24	7.90E-03	5.93E-03	4.74E-06	4.99E-05	--	5.11E-07	4.96E-06	3.70E-12	1.44E-06	5.68E-05	5.15E-07	8.76E-06	8.23E-06
SR	SR-BCLRH-T009	1.78	3.21E-05	1.65E-03	2.27E-04	3.05E-23	5.32E-02	4.00E-02	3.20E-05	3.36E-04	--	3.44E-06	3.35E-05	2.49E-11	9.72E-06	3.83E-04	3.45E-06	5.91E-05	5.54E-05
SR	SR-BCLRH-T010	0.89	3.44E-04	2.72E-02	5.46E-03	1.16E-21	1.20E-02	8.88E-03	3.43E-04	1.39E-05	--	8.30E-05	2.80E-06	1.89E-12	2.34E-04	3.20E-05	1.27E-07	5.76E-06	1.29E-06
SR	SR-BCLRH-T011	3.56	4.93E-09	--	9.61E-06	--	7.95E-03	1.83E-05	--	--	--	1.46E-07	2.58E-06	2.82E-15	4.12E-07	2.95E-05	9.11E-08	9.70E-09	--
SR	SR-SWMF-HET-RH	1.78	4.07E-04	3.60E-02	9.89E-04	5.80E-23	3.60E-01	5.78E-02	4.06E-04	6.44E-05	2.49E-12	1.50E-05	2.88E-05	9.34E-12	4.24E-05	3.29E-04	5.38E-06	3.15E-05	2.84E-05
SR	SR-T003-773A-HET	104.06	3.18E-02	1.97E+00	2.22E-02	3.14E-21	2.03E+00	1.43E+00	3.17E-02	2.60E-03	8.43E-10	3.50E-04	5.61E-03	3.66E-10	9.72E-04	6.41E-02	4.23E-05	1.05E-03	9.34E-07
SR	SR-W027-221H-HET-RH	7.12	6.60E-08	--	1.95E+00	--	3.36E-01	7.74E-02	--	2.50E-04	--	2.96E-02	1.59E-02	1.89E-11	8.37E-02	1.81E-01	1.02E-04	5.51E-05	4.46E-08
SR	SR-W027-SRSG-HET-RH	69.38	1.53E-04	7.51E-05	1.28E-02	1.28E-26	4.10E+01	1.14E+01	1.46E-04	5.41E-02	--	1.95E-04	1.12E-01	1.77E-09	5.50E-04	1.28E+00	4.72E-04	6.07E-03	1.09E-07
Total		7079	3.95E-02	3.05E+00	3.41E+00	8.36E-21	2.19E+03	3.43E+02	3.89E-02	1.26E+00	2.92E-06	3.18E+01	6.04E-01	6.86E-02	4.89E+01	6.83E+00	9.54E-02	4.28E-01	2.96E-01