Idaho National Laboratory and Idaho Cleanup Project Site Treatment Plan

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Idaho National Laboratory and Idaho Cleanup Project Site Treatment Plan

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ABBREVIATIONS, INITIALISMS, AND ACRONYMS

1	ACL	Analytical Chemistry Laboratory (ANL-W)
2	ALHC	Analytical Laboratory Hot Cell
3	AMWTP	Advanced Mixed Waste Treatment Project
4	ANL-E	Argonne National Laboratory-East (Chicago)
5	ANL-W	Argonne National Laboratory-West
6	AoA	analysis of alternative
7	APS	Atmospheric Protection System
8	ARA	Auxiliary Reactor Area
9	ARG-W	DOE Chicago Argonne Group-West
10	ARMF	Advanced Reactivity Measurement Facility
11	CD	critical decision
12	CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
13	CFR	*Code of Federal Regulations*
14	CFRMF	Coupled Fast Reactivity Measurement Facility
15	CH	contact handled
16	CPP	Chemical Processing Plant
17	CSSF	Calcined Solids Storage Facility
18	CTF	Commercial Treatment Facility
19	D&D	decontamination and decommissioning
20	DEQ	Department of Environmental Quality
21	DOE	Department of Energy
22	DOE-CH	Department of Energy Chicago Operations Office
23	DOE-HQ	Department of Energy Headquarters
24	DOE-ID	Department of Energy Idaho Operations Office
25	DRC	Dispute Resolution Committee
26	EDTA	ethylenediaminetetraacetic acid
27	EFL	estimated failure level
28	EM	Environmental Management\
29	EPA	Environmental Protection Agency
30	ER	environmental restoration

ETR	Experimental Test Reactor
FCF	Fuel Cycle Facility
FDP	fuel dissolution process
FDPA	Fluorinel Dissolution Process Area
FFC	Federal Facility Compliance (Act)
FMF	Fuel Manufacturing Facility
FY	fiscal year
HEPA	high-efficiency particulate air (filter)
HFEF	Hot Fuel Examination Facility
HLW	high-level waste
HMPPS	High Modulus Polymeric Packaging System
HTRE-3	Heat Transfer Reactor Experiment No. 3
HWMA	Hazardous Waste Management Act
IBC	interbuilding cask
IBO	Idaho Branch Office
ICP	inductively coupled plasma
ID	identification
IDAPA	Idaho Administrative Procedures Act
IET	initial engine test
INL	Idaho National Laboratory
INTEC	Idaho Nuclear Technology and Engineering Center
IPA	isopropyl alcohol
ISV	in situ vitrification
IWTU	Integrated Waste Treatment Unit
LANL	Los Alamos National Laboratory
LDR	land disposal restriction
LLM	low-level mixed
LLMW	low-level mixed waste
LLW	low-level waste
LSA	low specific activity (waste)
MLLW	mixed low-level waste

MTR	Materials Test Reactor
MTRU	mixed transuranic (waste)
MW	mixed waste
MWSF	mixed waste storage facility
NEPA	National Environmental Policy Act
NHLWR	National High-Level Waste Repository
NNSS	Nevada National Security Site
NRF	Naval Reactors Facility
NWCF	New Waste Calcining Facility
OMB	Office of Management and Budget
PCB	polychlorinated biphenyl
PCE	tetrachlorethlyene
PPE	personal protective equipment
PVC	polyvinyl chloride
PWTU	portable water treatment unit
Q	quarter
R&D	research and development
RCRA	Resource Conservation and Recovery Act
RH	remote handled
RPSSA	Radioactive Parts Security Storage Area
RWDP	Remote-Handled Waste Disposition Project
SAPC	super agitene parts cleaner
SBW	sodium-bearing waste
SCDF	Subtitle C Disposal Facility
SCMS	Sodium Components Maintenance Shop
SDS	Sodium Distillation System
STP	Site Treatment Plan
TAN	Test Area North
TBD	to be determined
TCA	trichloroethane
TCE	trichloroethylene

93	TCLP	toxicity characteristic leaching procedure
94	TMI	Three Mile Island
95	TRANS	transport
96	TRU	transuranic (waste)
97	TRUPACT	Transuranic Package Transporter
98	TSCA	Toxic Substances Control Act
99	USC	United States Code
100	VOC	volatile organic compound
101	VOG	vessel off-gas
102	WAC	waste acceptance criteria
103	WCS	Waste Control Specialists, LLC
104	WERF	Waste Experimental Reduction Facility
105	WIPP	Waste Isolation Pilot Plant

NOMENCLATURE

1	Hg	mercury
2	m^3	cubic meters
3	m^3/year	cubic meters per year
4	Na	sodium
5	NaK	sodium potassium
6	nCi	nanocuries
7	nCi/g	nanocuries per gram

IDAHO NATIONAL LABORATORY AND IDAHO CLEANUP PROJECT SITE TREATMENT PLAN

1. PURPOSE AND SCOPE

1.1 History

The United States Department of Energy (DOE) is required to prepare a plan for developing treatment capacities and technologies for each facility at which DOE generates or stores mixed waste (MW), pursuant to Section 3021(b) of the Resource Conservation and Recovery Act (RCRA), 42 United States Code (USC) 6939c(b), as amended by Section 105(b) of the Federal Facility Compliance Act, Pub. L. 102-386 (1992) (FFC Act). Upon submission of the Idaho National Laboratory (INL) plan to the appropriate regulatory agency, the Idaho Department of Environmental Quality (DEQ), the FFC Act requires DEQ to solicit and consider public comments, and approve, approve with modification, or disapprove the plan within 6 months. The regulatory agency is to consult with the U.S. Environmental Protection Agency (EPA) and any state in which a facility affected by the plan is located. Upon approval of a plan, the regulatory agency must issue an order requiring compliance with the approved plan.

1.2 Description of Plan

DOE has prepared this Site Treatment Plan (STP) for MW at INL, which identifies how DOE proposes to treat INL's MW with existing technologies or develop technologies where technologies do not exist or need modification.

1.3 Purposes

The purposes of this STP include:

1.3.1 Fulfilling the requirements of the FFC Act

1.3.2 Establishing an enforceable framework in conjunction with the Consent Order in which DOE will develop treatment capacities and technologies and treat or otherwise meet RCRA land

disposal restrictions (LDRs) for all covered LDR MW streams currently in storage and to be generated or received in the future

1.3.3 Allowing for storage of current and projected covered LDR MW streams at INL during the implementation and term of this STP and Consent Order.

1.4 Statutory and Regulatory Requirements

1.4.1 This STP is the statutorily required document described in the FFC Act Section 105(b) as a "plan for developing treatment capacities and technologies" to treat the MW at INL pursuant to EPA standards promulgated pursuant to Section 3004(m) of RCRA. This STP is also discussed by DOE in the *Publication Schedule for Submitting Plans for Treating Mixed Waste Generated or Stored at Each Site as Required by the Federal Facility Compliance Act of 1992*, 58 Federal Register 17875 (April 6, 1993). This STP provides overall schedules with milestones and planning dates for achieving compliance with LDRs, a general framework for establishment and review of milestones and planning dates and the conversion of planning dates into milestones, and other provisions for implementing the DEQ-approved STP enforced under the Consent Order.

1.4.2 This STP and Consent Order fulfill the requirements contained in the FFC Act, RCRA Section 3021, and the Idaho Hazardous Waste Management Act (HWMA). Storage of covered waste at INL, pending the development of treatment capacities and technologies and completion of LDR requirements pursuant to the STP, shall be considered in compliance with this STP, Consent Order, and applicable RCRA and HWMA requirements.

1.5 Definitions

Except as provided below or otherwise explicitly stated herein, the terms used in the STP shall have the same meaning as used in the HWMA, Idaho Administrative Procedures Act (IDAPA) 58.01.05.000 et seq., RCRA, and the EPA Rules and Regulations, 40 *Code of Federal Regulations* (CFR) 124, 260 through 268, and 270.

Atomic Energy Act: The Atomic Energy Act of 1954, as amended, 42 USC 2011 et seq.

Authorized Representative: Any person, including a contractor or subcontractor, who is specifically designated by a Party to act on behalf of that Party in any capacity, including an advisory capacity.

Consent Order or Order: The document to which this approved STP is appended.

Covered Waste: MW covered by the STP, as described in Subsection 2.1, "Covered Matters," of the STP. The term includes new MW streams included pursuant to the notice provision of Subsection 2.4, "Inclusion of New Mixed Waste Streams," of the STP. The term does not include MW excluded from coverage by Subsections 2.4.4 or 2.8.7 of the STP.

Days: Calendar days, unless otherwise specified. Any submittal under the terms of the STP that would be due on a Saturday, Sunday, or a state or federal holiday shall be due the following business day.

Deliverable: Any written document that is to be placed into a method of delivery (e.g., in the U.S. mail) in satisfaction of milestones or other requirements under this STP or the Consent Order.

DEQ: Idaho DEQ, successor agencies, employees, and authorized representatives.

DOE: DOE, including headquarters (DOE-HQ), the Idaho Operations Office (DOE-ID), the Argonne Group-West (ARG-W) of the Chicago Operations Office (DOE-CH), the Idaho Branch Office - Naval Reactors (IBO), and any of DOE's contractors and subcontractors at any tier, successor agencies, employees, and authorized representatives.

EPA: EPA, including Region 10, and any of its successor agencies, employees, and authorized representatives.

Fiscal Year: October 1 of one calendar year through September 30 of the following calendar year. For example, Fiscal Year (FY) 1994 encompasses October 1, 1993, through September 30, 1994.

High-Level Waste: The term high-level waste (HLW) shall have the meaning as set for high-level radioactive waste in DOE Order 435.1, "Radioactive Waste Management," or any successor DOE orders or amendments. Under current DOE Order 435.1, HLW is waste material that results from the reprocessing of spent nuclear fuels, including the liquid waste produced directly in the reprocessing, and

any solid waste derived from the liquid that contains a combination of transuranic (TRU) waste and fission products at concentrations requiring permanent isolation.

HWMA: HWMA, as amended, Idaho Code 39-4401 to 4432 and its implementing rules in IDAPA 58.01.05.000 to .05.999.

INL: INL, including facilities and installations in or near Idaho Falls, Idaho and at the Site.

INL Site or Site: The site described in 54 Federal Register 48184 (November 21, 1989).

LDRs: The limitations on land disposal and storage of waste set forth in IDAPA 58.01.05.011 (RCRA, 42 USC 6924; 40 CFR 268).

LDR MW: MW that is restricted from one or more methods of land disposal or storage under IDAPA 58.01.05.011 (RCRA, 42 USC 6924; 40 CFR 268).

LDR Requirement or Standard: The level(s) or method(s) of treatment or management specified in IDAPA 58.01.05.011 (40 CFR 268) for a waste subject to the LDR or storage restriction under Section 3004 of RCRA (42 USC 6924).

LDR Waste: Waste subject to the requirements of the LDRs and storage restrictions of IDAPA 58.01.05.011 (40 CFR 268).

Milestone: Fixed, firm, and enforceable date as set forth in this STP and Consent Order.

MW: Waste that contains both hazardous waste and source, special nuclear, or by-product material subject to the Atomic Energy Act of 1954, 42 USC 2011 et seq. and RCRA, 42 USC 6903(41).

Mixed Low-Level Waste: The term mixed low-level waste (MLLW) shall mean waste that contains both low-level radioactive waste or LLW (source, special nuclear, or by-product material subject to the Atomic Energy Act of 1954, 42 USC 2011 et seq.) and hazardous waste. The LLW component of MLLW shall have the same meaning as given to “low-level waste” in DOE Order 435.1 (i.e., currently defined in the order as “Waste that contains radioactivity and is not classified as HLW, TRU waste, or spent nuclear fuel or 11e(2) by-product material as defined by the DOE order. Test specimens of fissionable material irradiated for research and development only, and not for the production of power or

plutonium, may be classified as low-level waste, provided the concentration of TRU is equal to or less than 100 nCi/g.") or any successor DOE orders or amendments.

New Mixed Waste Stream: MW generated onsite from a new or unique activity or generated offsite not previously identified by an identification number and name in Section 4, "Covered Waste," of the STP.

National Environmental Policy Act: The National Environmental Policy Act (NEPA), 42 USC 4321 et seq., the Council on Environmental Quality regulations implementing NEPA (40 CFR 1500–1508), and DOE's rules and regulations implementing that statute (10 CFR 1021).

Offsite: Any facility or installation other than INL.

Onsite: INL, as that term is defined in this definition subsection.

Planning Date: The anticipated completion date of tasks that have not been designated as milestones and that refer to events occurring beyond the DOE 3-year budget cycle planning period. Planning dates are not requirements and are not enforceable.

Project Manager: Any official designated pursuant to Subsection 2.10, "Project Managers," of the STP, to coordinate, monitor, or determine actions required by the STP or Consent Order.

Radionuclide Separation: For the purposes of the STP, the term "radionuclide separation" shall mean the segregation of the radioactive portion of the MW from the hazardous portion of the MW and may include storage (not RCRA treatment) of MW for the purposes of allowing for radioactive decay of the radioactive portion of the MW to facilitate proper recovery, treatment, or disposal in compliance with RCRA Section 3004(j).

RCRA: RCRA (the Solid Waste Disposal Act), 42 USC 6901 et seq., as amended by the Hazardous and Solid Waste Amendments of 1984, Pub. L. No. 98-616, 98 Stat. 3221 (1984), and the FFC Act of 1992, Pub. L. No. 102–386, 106 Stat. 1505 (1992).

STP: This plan for developing MW treatment technologies and capacities for INL covered waste, as approved by DEQ pursuant to the FFC Act of 1992, Pub. L. No. 102-386, 106 Stat. 1505 (1992).

Storage: The term shall have the meaning set forth in Section 1004(33) of RCRA (42 USC 6903(33)), 40 CFR 260.10, and IDAPA 58.01.05.000 et seq., the holding of hazardous waste for a temporary period, at the end of which the hazardous waste is treated, disposed of, or stored elsewhere.

TRU Waste: The term shall have the meaning set forth in Section 11(ee) of the Atomic Energy Act of 1954, as amended, 42 USC 2014(ee) and DOE Order 435.1 (currently defined in the order as "radioactive waste that contains more than 100 nCi/g of isotopes with atomic numbers greater than 92 and half-lives greater than 20 years") or any successor DOE orders and amendments.

2. IMPLEMENTATION OF THE SITE TREATMENT PLAN

This section establishes the mechanisms and procedures for administering and implementing the treatment plans and schedules set forth in Section 5, "Idaho National Laboratory Treatment Facility Schedules."

2.1 Covered Matters

The STP and Consent Order address LDR requirements pertaining to storage and treatment of covered wastes, whether such wastes were generated or accumulated in the past, present, or future during the pendency of the STP and implementing Consent Order. Covered wastes are those MW streams at INL identified in Section 4 of the STP or added to the STP in accordance with Subsection 2.4 set forth below, except those MW streams which meet regulatory requirements.

2.2 Compliance Schedules

2.2.1 The STP provides overall schedules for achieving compliance with LDR requirements for MW streams at INL. The schedules include those activities required to bring existing waste treatment facilities or technologies into operation, and those required to develop new facilities and capacity for treatment. The STP schedules show milestones and planning dates for treatment technologies and facilities for covered wastes.

2.2.1.1 For the purposes of the STP, milestones and planning dates shall identify dates or time frames by which a certain activity (including an event such as submittal of a deliverable) is scheduled to occur.

2.2.1.2 Milestones are fixed, firm, and enforceable dates as set forth in the STP. Milestones correspond to the categories of milestones set forth below in Subsection 2.2.3, "Categories of Milestones and Planning Dates." Extensions or revisions to milestones are subject to approval, approval with modifications, or disapproval by the DEQ according to the process and framework set forth in this STP. Milestones are set based on planning dates, in accordance with the process in Subsection 2.2.2, "Milestones and Planning Dates."

2.2.1.3 Planning dates are estimated events beyond the DOE 3-year budget cycle planning period. Planning dates are not enforceable requirements. Planning dates shall be converted to milestones in accordance with Subsection 2.2.2. DOE may, by written notification to DEQ, extend a planning date up to a total of 1 year. Cumulative extensions of greater than 1 year to any planning date require approval by DEQ and are subject to the revision procedures (Subsection 2.5, "Revisions") of this STP.

2.2.2 Milestones and Planning Dates

2.2.2.1 For the purposes of this STP, milestones shall identify specific dates in a 3-year rolling period consisting of the current FY plus two additional FYs (FY+1 and FY+2) by which a certain activity (including an event such as submittal of a deliverable) is scheduled to occur and which will be enforceable as set forth in this STP. Planning dates are dates that are outside the 3-year rolling period (e.g., FY+3, FY+4) and which are unenforceable estimated schedule dates.

2.2.2.2 Milestones will be established for a 3-year period consisting of the current FY plus two additional FYs (FY+1 and FY+2) as follows:

2.2.2.2.1 On the effective date of this STP and Consent Order, enforceable milestones are established for a 3-year period. Additionally, planning dates are established for the outlying FYs. Subsequently, after expiration of an FY, FY+1 milestones shall be converted to current FY milestones. FY+2 milestones shall be converted to FY+1 milestones. The FY+3 planning dates shall be converted to FY+2 milestones. All conversions will be automatic and remain in effect unless DOE notifies DEQ of any proposed changes. Such changes may be made necessary as DOE identifies milestones and planning dates which cannot be accomplished within available funding levels. Notification of proposed changes to current year milestones (and any adjustments to affected milestones or planning dates) under this paragraph will be submitted in accordance with the applicable provisions of this STP, including, as appropriate, Subsection 2.14, "Modification," 2.5, or 2.6, "Extensions," within 45 days of DOE-ID, ARG-W, and IBO receiving their approved FY funding allocation from DOE-HQ. Notification of proposed changes to FY+1 and FY+2 milestones (and any adjustments to affected milestones or planning dates) under this paragraph may be submitted in accordance with the applicable provisions of this STP, including 2.14 (Modification), 2.5 (Revisions), or 2.6 (Extensions) within a reasonable period after DOE-ID receives the President's budget request (for FY+1 milestones) and the Office of Management and Budget (OMB) target level funding (for FY+2 milestones). Nothing in this subsection precludes DOE from proposing or requesting changes to milestones or planning dates at other times. All proposed

changes to milestones are subject to Subsection 2.8, "Funding," and where the parties cannot agree, to Subsection 2.9, "Disputes."

2.2.2.2.2 In establishing and adjusting milestones and planning dates pursuant to this subsection, the following, at a minimum, will be considered: (a) funding availability as it is appropriated by Congress, and the amount of funds provided to INL by DOE in its Approved Funding Programs for the current FY for waste management activities, and the President's budget for the next FY (FY+1) and associated out-year funding targets for environmental management for INL, (b) sitewide waste management priorities, (c) cost estimates, (d) new or emerging technologies, and (e) other new STP information.

2.2.2.2.3 Schedule dates shall be identified by reference to FY quarters, and the specific date of the milestone or planning date shall be the last day of the quarter identified. The first quarter or "1Q" shall have December 31 as its corresponding specific date. The second quarter or "2Q" shall have March 31 as its corresponding specific date. The third quarter or "3Q" shall have June 30 as its corresponding specific date. The fourth quarter or "4Q" shall have September 30 as its corresponding specific date.

2.2.3 Categories of Milestones and Planning Dates

The categories of activities for which milestones and planning dates will be provided are the different types of treatment approaches in the STP and are listed in Tables 2-1 through 2-3 and in other provisions below. The categories of activities are based on Section 3021(b)(1)(B)(i), (ii), and (iii) of RCRA, as appropriate.

2.2.3.1 Plan Where Treatment Technologies Exist [RCRA Section 3021(b)(1)(B)(i)]. For identified and developed treatment technologies for waste which will be treated onsite, the milestones and planning dates identified in Subsection 5.1, "Schedules for Treatment Facilities for which Technology Exists," shall apply. When submitting new schedules under this subsection to DEQ for approval, DOE shall propose appropriate milestones and planning dates from the categories of milestones in Table 2-1 below.

Table 2-1. Schedule for wastes with existing treatment technologies.

Categories of Milestones/Planning Dates:

a) Submit RCRA permit applications to DEQ

b) Procure contracts

c) Initiate construction

d) Conduct systems testing

e) Commence operations

f) Submit for approval a schedule for processing backlogged and currently generated MW streams.

2.2.3.2 Plan Where Technologies must be Developed [3021(b)(1)(B)(ii)]. For some MW streams at INL, treatment technologies either have not been identified and/or developed or treatment technologies must be modified or adapted to be made applicable to INL MW. For these wastes, which will be treated onsite, the milestones and planning dates identified in Subsection 5.2, "Schedules for Treatment Facilities for which Technology Exists but Needs Adaptation, or for which No Technology Exists," shall apply. When submitting new schedules under this subsection to DEQ for approval, DOE shall propose appropriate milestones and planning dates from the categories of milestones in Table 2-2 below.

Table 2-2. Schedule for mixed waste without existing treatment technologies.

Categories of Milestones/Planning Dates:

a) Identify funding requirements for identification and development of technology

b) Identify and develop technology

c) Submit treatability study exemptions

d) Submit research and development (research, development, and demonstration) permit applications

e) Submit schedule for treatment in accordance with Table 2-1 or new schedule for development of alternative treatment technologies in accordance with this section.

2.2.3.3 Requirements Pertaining to Radionuclide Separation [RCRA Section 3021(b)(1)(B)(iii)].

The FFC Act sets additional requirements in cases where DOE intends to conduct radionuclide separation of MW. No current plans exist to separately conduct radionuclide separation of MW streams generated or stored at INL. Should DOE determine to conduct radionuclide separation of such MW streams, DOE will provide for such wastes which will be treated onsite those milestones and planning date categories for submitting the required information as identified in Table 2-3as follows:

Table 2-3. Schedule for radionuclide separation of mixed wastes.

Categories of Milestones/Planning Dates:

a) Submit estimation of the volume of waste generated by each case of radionuclide separation

b) Submit estimation of the volume of waste that would exist or be generated without radionuclide separation

c) Submit estimation of the costs of waste treatment and disposal if radionuclide separation is used, compared to the estimated costs if it is not used

d) Submit assumptions underlying such waste volume and cost estimates.

2.2.3.4 Plan for Onsite Mixed Waste Streams to be Treated Offsite. For onsite MW, which will be treated offsite, milestones and planning dates are identified in Subsection 5.3, "Schedules for Mixed Waste Streams Planned for Treatment Offsite." The final enforceable milestone for waste treatment of such waste under the STP shall be shipment to an offsite treatment facility. Residuals from the treatment of such waste may be returned to INL for storage pending disposal. DOE shall report information in the Annual STP Report of all waste shipments offsite to both DOE and commercial facilities for purposes of waste inventory review.

2.2.3.5 Plan for Mixed Waste Streams from Offsite to be Treated Onsite. For MW from offsite DOE facilities to be treated at INL as identified in Subsection 4.4, "Official Mixed Waste Streams Identified for Treatment by the Idaho National Laboratory," milestones and planning dates are identified in Section 5. Offsite waste shall not be stored or disposed at INL prior to or following treatment, except as specifically approved by DEQ, provided, however, DOE has specifically reserved its rights as provided in Paragraph 5.4 of the Consent Order incorporating this STP.

2.2.3.6 Plan for Onsite Mixed Transuranic Waste. For onsite mixed TRU waste to be shipped to the Waste Isolation Pilot Plant (WIPP), the requirements, milestones, and planning dates are identified in Subsection 5.4, "Mixed Transuranic Contaminated Waste Shipped to the Waste Isolation Pilot Plant (or Other Offsite Disposition)."

2.2.3.7 Plan for Onsite Mixed Wastes not Sufficiently Characterized to Allow Identification of Appropriate Treatment. For new onsite MW streams requiring characterization to identify appropriate treatment milestones and planning dates, DOE shall submit a plan for characterization to DEQ for approval. The characterization plans are in Section 5.

2.3 Quarterly Meetings, Annual Site Treatment Plan Updates, and Reports

2.3.1 This section provides a mechanism to: (a) communicate and exchange information about schedule, technology development, funding, and other concerns that affect implementation of the STP; (b) propose and establish the next ensuing milestones; and (c) update and propose changes or revisions to the STP.

2.3.2 **Quarterly Meetings.** the project managers shall meet each quarter to discuss progress on milestones and planning dates, any changes to waste streams and volumes, and other pertinent information. In order to facilitate these meetings, DOE shall provide, in writing to the DEQ project manager, notification of new waste streams, an updated STP errata sheet, notification of completed milestones for the quarter, and a proposed agenda for the meeting. Proposed changes or revisions to the STP may be included in writing for discussion at the meeting.

2.3.3 **Annual Update to the Site Treatment Plan.** By each November 15, after the FY in which the STP is approved, DOE shall submit an annual update to the STP to DEQ. The annual update to the STP shall incorporate any covered waste volume changes, planning date extensions less than 1 year, approved milestone extensions less than 1 year, or revisions to the STP over the previous FY. Subsequent changes or revisions to the STP during the current FY shall be indexed on an STP errata sheet to be submitted by DOE to DEQ at least quarterly.

2.3.4 At the same time and along with the annual update to the STP, DOE shall submit to DEQ an Annual STP Report to the STP for review and comment. The Annual STP Report:

(a) Shall include and collate information from the quarterly project manager meetings and provide DEQ with information to track progress on milestones and planning dates

(b) May include any proposed extensions, revisions (including proposed waste treatment plans for new waste streams), or other changes to the STP

(c) Shall include information on DOE's funding for the STP and identify any funding issues which may impact the STP schedules

(d) May include notification of planning date extensions and changes in covered waste volumes

(e) May be a vehicle for input from the public, affected states, and EPA to be obtained if revisions to the STP are proposed.

2.4 Inclusion of New Mixed Waste Streams

2.4.1 This section establishes a method for including new MW streams, which are discovered, identified, generated onsite, or to be received from offsite, and MW streams which are generated onsite through environmental restoration to the extent such wastes are to become identified as a covered waste pursuant to Subsection 2.1 and as set forth in this section (including wastes covered by the Federal Facility Agreement and Consent Order executed by the State of Idaho, DOE, and EPA on December 9, 1991, which would otherwise not be covered by this STP pursuant to RCRA Section 3021(b)(1)(ii)).

2.4.2 DOE shall provide written notification to DEQ, as part of the quarterly meetings, of new MW streams which have been discovered, identified, or generated and stored onsite, and MW streams anticipated to be generated and stored at INL, which are expected to be covered wastes. Unless and until the proposed waste treatment plan of Subsection 2.4.4 is disapproved by DEQ after exhaustion of disputes procedures or appeal under Subsection 2.9, the MW will be covered waste and subject to the requirements of this STP (a) upon receipt of such notification, (b) when generated or stored at INL after notification, or (c) such other time as specified in the notification, whichever is later. DOE shall provide a description of the waste codes, waste form, volume, technology and capacity needs, and similar pertinent information in the quarterly meetings. Any revisions to the STP Subsection 2.2, "Compliance Schedules," shall be proposed in the quarterly meetings or the next regularly scheduled Annual STP Report. The information provided pursuant to this subsection is subject to DEQ approval to the extent provided for in Subsection 2.4.4.

2.4.3 If DOE cannot provide such information or schedules as required by Subsection 2.4.2 because of inadequate characterization or it is otherwise impracticable, DOE shall submit for approval a proposed plan and schedule for complying with Subsection 2.4.2, along with appropriate justification and supporting information.

2.4.4 DOE shall submit a proposed waste treatment plan for new waste streams to DEQ for approval, approval with modification, or disapproval under Subsection 2.13, "Submittal and Review of Deliverables." The waste treatment plan ties the new wastes to facilities under this STP and may consist of proposed changes to Section 4 of this STP. DOE may also propose changes or revisions to the STP schedules to accommodate new waste streams. In the absence of DEQ approval, new waste shall no longer be covered waste for the purposes of this STP after conclusion of dispute resolution or appeal under Subsection 2.9.

2.5 Revisions

2.5.1 A revision to the STP requires, for those affected portions of the STP, publication of a notice of availability to the public and consultation with affected states and EPA pursuant to this STP and Section 3021(b)(2) and (3) of RCRA. A revision is (a) the addition of a treatment facility at INL or technology development not previously included in the STP, (b) an extension to a milestone or planning date for a period greater than 1-year, or (c) the addition of waste treatment plans for a new waste stream. Changes in waste volume of covered waste; extensions or changes to milestones or planning dates for a period less than 1 year shall not, by themselves, constitute a revision.

2.5.2 Revisions to the STP shall be made as follows:

2.5.2.1 DOE shall propose revisions to the STP and provide supporting information for the revision in writing pursuant to quarterly meetings or in the Annual STP Report pursuant to Subsection 2.13. Under those procedures, DEQ may conditionally approve the revision or return it to DOE with comments so that changes can be made for resubmittal, or disapprove it within 30 days. Approvals with modification or disapprovals may be subject to the procedures of Subsection 2.9. In reviewing the proposed revision, DEQ shall consider the need for regional treatment facilities. Conditional approval of a revision is a determination by DEQ that the revision is acceptable subject to the results of public comment and consultation with affected states and EPA.

2.5.2.2 Within 30 days subsequent to conditional approval, DEQ shall publish a notice of availability and make the proposed revision available to the public for review and comment and to affected states and EPA for consideration and consultation. Revisions shall be approved, approved with modification, or disapproved by DEQ within 6 months after DEQ's receipt of the proposed revision. Any approval with modifications or disapproval of the proposed revision shall include supporting explanation and information. DOE shall have 30 days to discuss the approval with modifications or disapproval with DEQ. If agreement is not reached on the proposed modifications in this 30-day period, the procedures of Subsection 2.9 will apply.

2.5.3 To the extent practicable, comments from the public, affected states, and EPA on the conditionally approved revisions will be obtained in conjunction with the Annual STP Report. However, if a conditionally approved revision is proposed to become effective before it could be addressed in the regularly scheduled Annual STP Report, DEQ shall publish a Notice of Availability and consult with affected states and EPA, as appropriate, within 30 days of such conditional approval. In the event that the final approved revision differs from the conditionally approved revision after public comment and consultation, DOE shall not be subject to enforcement actions for interim activities conducted in accordance with the conditionally approved revision.

2.6 Extensions

2.6.1 A milestone may be extended or a planning date may be extended for a period of greater than 1 year upon receipt of a timely request for extension where good cause exists. Any request for an extension shall be made to DEQ in writing prior to the milestone or planning date. The written request shall be provided to DEQ's project manager and shall be part of the quarterly meetings or Annual STP Report as practicable. The written request shall specify:

(a) The milestone or planning date sought to be extended;

(b) The length of the extension sought;

(c) The Good causes(s) for the extension; and

(d) Any related milestone or planning date that would be affected if the extension were granted.

2.6.2 Good cause for an extension includes, but is not limited to:

(a) Inadequate funding after DOE complies with Subsection 2.8

(b) A delay caused by DEQ's failure to meet any requirement imposed under the STP or Consent Order

(c) A delay caused by the good faith invocation of dispute resolution or the initiation of administrative or judicial action

(d) A delay caused, or which is likely to be caused, by the grant of an extension in regard to another milestone

(e) A delay caused by additional work agreed to by DOE and DEQ;

(f) Circumstances unforeseen at the time this STP was prepared that significantly affect the work required under the STP;

(g) Delay in review of a permit application;

(h) Inconsistency with the requirement of any other existing agreement, order, or permit between DOE and DEQ; and

(i) Any other event or series of events mutually agreed to by DOE and DEQ as constituting good cause.

2.6.3 Absent agreement of DOE and DEQ with respect to the existence of good cause, either or both of them may seek and obtain a determination through the dispute resolution process, Subsection 2.9 whether or not good cause exists.

2.6.4 For extension requests by DOE, the procedures of Subsection 2.13 shall apply. Pursuant to that provision, if DEQ approves the requested extension, the affected milestone shall be extended accordingly up to 1 year. Requested extensions for more than 1 year may be conditionally approved as proposed revisions.

2.7 Satisfaction of Requirements and Enforceability

2.7.1 **Deletion of Wastes.** The requirements of the STP and Consent Order shall be satisfied with regard to any covered waste upon DOE's notice to DEQ and DEQ's concurrence under Subsection 2.7.3 of the following:

(a) Completion of treatment pursuant to the STP;

(b) Shipment of such waste offsite for treatment, storage, or disposal

(c) Changes to statute or regulation or determinations of the regulatory authority which cause such waste to be no longer subject to the requirements of RCRA or the LDR requirements of RCRA;

(d) Storage for the sole purpose of accumulating such quantities of covered wastes as are necessary to facilitate proper recovery, treatment, or disposal in compliance with HWMA and RCRA;

(e) Information demonstrating the waste meets the treatment standards of RCRA, Section 3004(m);

(f) Treatment in accordance with the conditions of an approved LDR treatability variance; or

(g) Mutual agreement between DOE and DEQ.

2.7.2 The STP shall be satisfied either at such time as (1) there is no longer any MW, regardless of when generated, being stored or generated at INL which does not meet LDR requirements or (2) all MW, regardless of when generated, at INL is being stored, solely for the purpose of accumulating sufficient quantities of MW streams as are necessary to facilitate proper recovery, treatment, or disposal.

2.7.3 DOE will notify DEQ of such satisfaction in writing pursuant to the quarterly meetings or Annual STP Reports. DEQ shall approve or disapprove the notice in writing within 30 days. Any disapproval by DEQ shall be subject to the provisions of Subsection 2.9.

2.8 Funding

2.8.1 DEQ shall have an opportunity to have input formulating the INL budget and setting the INL budget priorities as set forth in this section and Subsection 2.2.2. Nothing in the STP affects DOE authority over its budget and funding level submissions. Further, any requirement for the expenditure or obligation of funds by DOE established by the terms of the STP and Consent Order requiring compliance with the STP would be subject to the availability of appropriated funds, and no provision of the STP or Consent Order shall be interpreted to require the obligation or expenditure of funds in violation of the Anti-Deficiency Act, 31 USC 1341, as amended. In cases where the expenditure or obligation of funds would constitute a violation of the Anti-Deficiency Act, the dates established requiring the expenditure or obligation of such funds shall be appropriately adjusted.

2.8.2 It is the expectation of the parties that all obligations of DOE arising under this STP and Consent Order will be fully funded. The parties recognize that successful implementation of this STP and Consent Order is dependent upon prudent use of resources and that resource requirements and constraints will be considered during the work planning, budget formulation, and budget execution process. To ensure the development of responsible budget requests consistent with the requirements of the STP and applicable federal/state statutes, the parties will work cooperatively and in good faith.

2.8.3 DOE shall take all necessary steps to obtain sufficient funding to comply with the provisions of this STP as set forth in this section through consultation with DEQ and submission of timely budget requests.

2.8.4 Pursuant to Subsection 2.10, the project managers will meet periodically and discuss projects being funded in the current FY and any events or new information that may cause significant changes to schedules or other issues relevant to activities being performed under this STP and Consent Order. DOE shall provide projected and actual cost information regarding such changes for these meetings, to the extent practicable.

2.8.5 DOE shall consult with DEQ in formulating its annual INL Environmental Management (EM) FY+2 budget request as set forth in this section.

2.8.5.1 No later than 30 days prior to the submission of their budget requests to DOE-HQ, DOE-ID, ARG-W, and IBO (as appropriate) shall provide DEQ with information or a briefing on the proposed INL EM FY+2 budget allocation, including appropriate supporting documents. In the process of formulating its annual FY+2 budget request, DOE may be subject to target funding guidance directed by the OMB. The information or briefing will address the impacts of such OMB target funding guidance.

DEQ agrees not to release confidential budget information to any other person or entity prior to submission by the President of his budget request to Congress unless authorized by DOE or required to do so by court order. DOE may seek to intervene in any proceeding brought to compel or enjoin release of this information. If allowed to intervene, DOE shall assert its interest in, and the legal basis for, maintaining the confidentiality of this information.

2.8.5.2 Before DOE-ID, ARG-W (through DOE-CH), or IBO submit their annual EM budget request and supporting budget formulation documents, if any, to DOE-HQ, the parties shall attempt to reach agreement regarding work scope, priorities, schedules/milestones, and funding levels required to accomplish the purpose of the STP and Consent Order. DEQ shall, to the extent practicable, provide comments on the proposed budget request and proposed activities and make recommendations appropriate to accomplish the intent of the STP, including those that cannot be accommodated within the respective EM funding target level for DOE-ID, ARG-W, and IBO.

2.8.5.3 DOE-ID, ARG-W, and IBO may revise their EM budget requests and supporting documents, if any, to resolve the comments of DEQ to the extent agreed by the parties or DOE otherwise deems it appropriate.

2.8.5.4 DOE-ID, ARG-W (through DOE-CH), and IBO will submit to DOE-HQ their EM budget requests with detailed budget formulation documents, if any, and shall forward with it the target budget level funding and any unresolved issues regarding funding for additional or accelerated activities submitted by DEQ, and any other unresolved issues raised by DEQ. If these issues are not subsequently resolved prior to DOE's submission of its budget to OMB, DOE-HQ shall forward, in conjunction with its budget request, any such unresolved issues and additional or accelerated activities, and related funding information to OMB.

2.8.6 Funds authorized and appropriated annually by Congress for EM activities (currently under the "Defense Environmental Restoration and Waste Management," and "Energy Supply, Research and Development Activities" appropriation(s) in the Energy and Water Development

Appropriations Act) and allocated by the DOE Assistant Secretary for EM to INL waste management activities or other specifically designated funds for INL waste management activities will be the sole source of funds for activities required by this STP.

2.8.6.1 If funding has been requested as described in Subsections 2.8.4 and 2.8.5, and if appropriated funds allocated to INL for waste management activities by the DOE Assistant Secretary for EM are not available to accomplish the milestones and planned activities under this STP and Consent Order, the parties shall attempt to negotiate appropriate extensions under this STP.

2.8.6.2 If the parties are unable to reach agreement, then the parties shall use Subsection 2.9 to determine the extent that activities shall be adjusted or the length of the extensions for milestones and planning dates in order to accommodate the INL FY funding allocation for waste management activities. The parties agree that, unless DOE-ID, ARG-W (through DOE-CH), or IBO has not followed the procedures set out in Subsections 2.8.4 and 2.8.5, the dispute resolution procedure shall not result in a decision requiring activities that DOE-ID, ARG-W, or IBO cannot accomplish given its FY funding allocation for waste management activities. Failure to agree on adjustments to FY+1 or FY+2 milestones in the current FY shall not prejudice DOE's right to request adjustments to these milestones in subsequent FYs or to appeal any decision of DEQ regarding such future requests.

2.8.7 If DEQ agrees or a court determines, after dispute resolution and exhaustion of administrative appeals, that DOE funding is insufficient to meet any milestone and the parties cannot agree on an appropriate modification, the milestone shall be null and void and not subject to the remedy of specific performance. However, any MW associated with such milestone shall, subsequent to such agreement or final determination, be deemed to not be covered waste under this STP, and DOE shall be subject to administrative or judicial enforcement actions for storage and any other violation of RCRA or HWMA with regard to such MW.

2.8.8 If the DOE-ID, ARG-W, or IBO takes steps, as set forth in this section, through consultation with DEQ, this will constitute a good faith effort to comply with the requirements of this STP and Consent Order. Subsequent receipt of less funding than submitted shall not constitute a knowing violation under RCRA or applicable State law for purpose of criminal or civil fines and penalties.

2.8.9 Nothing herein shall affect DOE's ultimate authority and responsibility to formulate and submit to the President appropriate budget requests and to allocate appropriated funds to meet DOE's obligation and to serve DOE's missions.

2.9 Disputes

2.9.1 Except as specifically set forth elsewhere in the STP, any action which leads to or generates a dispute regarding the STP or its revision is subject to resolution under this section. The dispute resolution procedures of this section shall be followed and exhausted before pursuing any other legal remedy in any other forum.

2.9.2 DOE and the DEQ shall make reasonable efforts to informally resolve disputes as expeditiously as possible at the project manager level. If resolution cannot be achieved informally, either party may elevate the dispute for resolution by requesting in writing to the other party that the dispute be elevated pursuant to this section. If resolution appears imminent, upon agreement of both parties in writing, the informal resolution period may be extended.

2.9.3 When formal dispute resolution is initiated, the disputing party shall submit to the other party a written notice of dispute specifying:

(a) The nature of the dispute;

(b) The Work affected by the dispute;

(c) The disputing party's position with respect to the dispute; and

(d) The Information the disputing Party is relying upon to support its position.

The written statement of dispute shall be forwarded to both members of the Dispute Resolution Committee (DRC).

2.9.3.1 The DRC will serve as a forum for resolution of disputes for which agreement has not been reached through the informal dispute resolution process. The DEQ representative on the DRC is the DEQ RCRA Program Manager. The DOE representative of the DRC is the appropriate DOE-ID program manager with responsibility for waste management.

2.9.3.2 Following elevation of a dispute to the DRC, the DRC shall have 30 days to unanimously resolve the dispute and issue a written decision. If the DRC is unable to unanimously resolve the dispute within this 30-day period, the written statement of dispute from the disputing party (as described in Subsection 2.9.3) and a written formal position from the other party shall be forwarded within 10 days to the administrator of DEQ for resolution.

2.9.3.3 If either party at the DRC level identifies issues at any time during the dispute resolution process that are deemed pertinent to national policies or to the policies of the State of Idaho, either party may refer the dispute to the administrator of DEQ for resolution pursuant to Subsection 2.9.3.4. Upon agreement of the parties at any point in the dispute process that resolution of a dispute is immediately necessary to avoid, prevent, or respond to the emergency conditions, the dispute may be escalated to the administrator of DEQ for resolution pursuant to Subsection 2.9.3.4.

2.9.3.4 Upon escalation of the dispute to the administrator pursuant to this section, the administrator will review and resolve the dispute within 30 days. Disputes escalated based on emergency conditions, as set forth in Subsection 2.9.3.3 above, shall be resolved by the administrator as soon as reasonably possible. Before resolving the dispute, the administrator shall meet and confer with the DOE-ID project manager to discuss the issue(s) under dispute. Upon resolution, the administrator shall provide DOE with a written decision setting forth resolution of the dispute. The duties of the administrator set forth in this subsection shall not be delegated.

2.9.3.5 DOE reserves the right to either accept the decision of the administrator or to seek administrative or judicial review of the decision under IDAPA.

2.9.3.6 The 30-day review periods mentioned above in Subsections 2.9.3.2 and 2.9.3.4 may be extended by the mutual agreement of the parties, as necessary, to complete the resolution of a dispute.

2.9.4 The pendency of any dispute under this section shall not affect DOE's responsibility for timely performance of the work required pursuant to this STP, except that the time period for completion of work affected by such dispute shall be extended for a period of time not to exceed the actual time taken to resolve any good faith dispute in accordance with the procedures specified herein. All elements of work required by the STP that are not affected by the dispute shall continue and be completed in accordance with the applicable schedule.

2.9.5 For issues involving areas under the responsibility or authority of the – ARG-W or the IBO – representatives for those offices of comparable authority and rank to the DOE-ID representatives shall be added or substituted in the dispute resolution process.

2.9.6 In the event of organizational changes, representatives of comparable authority and rank shall be substituted in the above procedures.

2.10 Project Managers

2.10.1 Within 10 days of the effective date of the STP, DOE and the DEQ shall designate a project manager. DOE and the DEQ shall each notify the other in writing of the project manager they have selected. DOE shall also designate the DOE project manager's designee for ARG-W and IBO. The DOE project managers' designees shall have authority and responsibility for addressing matters within the cognizance of their respective offices, in coordination with the DOE project manager. Each project manager shall be responsible for overseeing the implementation of the STP. Either DOE or DEQ may change its designated project manager by notifying the other in writing, 10 days before the change, to the extent possible. To the extent possible, communications between DOE and DEQ concerning the terms and conditions of the STP shall be directed through the project managers. Each project manager shall be responsible for ensuring that all communications from the other project managers are disseminated appropriately to that responsible project manager's organization.

2.10.2 The project managers shall have authority or obtain the appropriate level of authority to act for their respective agency to agree to changes to schedules and requirements, subject to the provisions of the STP on disputes and revisions. The project managers shall meet quarterly (see Subsection 2.3.2) to discuss progress and problems relating to all work under the STP. As a requirement of the agenda for each meeting, DEQ shall notify DOE of all potential issues or problems regarding compliance with the STP. Additionally, the status of the curing of any previously identified problems or issues of compliance shall be provided and discussed. Additional meetings may be requested by either project manager to discuss issues, problems, or activities associated with this STP.

2.10.3 Draft meeting minutes shall be prepared by DOE and provided to DEQ within 10 days of the meeting. DEQ approvals of deliverables under this STP and Consent Order may be documented in the meeting minutes. Any changes to the minutes shall be provided to DOE in writing within 14 days of receipt of the draft minutes for incorporation into the final minutes. Failure to provide timely changes to the minutes shall constitute agreement. The final project managers' quarterly meeting minutes shall be prepared by DOE and submitted to DEQ.

2.10.4 It is the intent of DEQ and DOE that this notification and curing process shall be used to avoid disputes to the extent possible.

2.11 Notification

2.11.1 Unless otherwise specified, any report or submittal provided by DOE pursuant to the STP shall be sent by first-class mail, express mail, facsimile, or hand delivered, with a certification of mailing or confirmation of delivery, to the address of the DEQ project manager.

2.11.2 Unless otherwise agreed in writing, one copy of all documents to be submitted pursuant to this STP shall be sent to the project manager at the address stated below. Either DEQ or DOE may request additional copies of any document submitted pursuant to this STP.

Project Manager
Idaho Department of Environmental Quality
1410 N. Hilton
Boise, ID 83706

Project Manager
Department of Energy
Idaho Operations Office
850 Energy Drive
Idaho Falls, ID 83401-1563

2.12 U.S. Department of Energy National Environmental Policy Act Review and Federal Facility Compliance Act Implementation

Changes in the schedules or other requirements of this STP may be required or warranted by the public's comments upon or the analysis of environmental effects set forth in an environmental assessment or an environmental impact statement prepared by DOE pursuant to NEPA and its implementing regulations. DEQ and DOE agree to negotiate in good faith any resulting appropriate or necessary changes in this STP.

2.13 Submittal and Review of Deliverables

2.13.1 DOE shall submit to DEQ deliverables required by this Consent Order under this Subsection 2.13. Deliverables or specific portions thereof are subject to either review and comment or approval. Deliverables subject to review and comment under this subsection, as required or permitted under this STP and Consent Order, include notification of new wastes, changes in volume of covered waste, changes in planning dates up to 1 year, the annual updates to the STP, and the Annual STP Report. Where DEQ approval of a deliverable is expressly required in this Consent Order, the approval provisions in this section apply. Deliverables which require approval include proposed revisions, extensions to milestones, extensions to planning dates greater than 1 year, treatment plans for new waste streams, notices of completion of milestones, notices of satisfaction under Subsection 2.7, "Satisfaction of Requirements and Enforcibility," and other deliverables as specifically required by the terms of this STP. Requests or proposals which require approval may be submitted as part of, or along with, the Annual STP Report and quarterly meetings. Permit applications and NEPA documents shall not be subject to the procedures of this section. Permit applications shall be submitted and reviewed under applicable regulations, and NEPA documents shall be submitted and reviewed under the DOE regulations implementing NEPA. Each submittal of a deliverable shall specify the milestone or other provision of this Consent Order requiring submittal of that deliverable.

2.13.2 Unless otherwise noted, each deliverable shall be transmitted directly to the DEQ project manager.

2.13.3 DEQ will promptly review each deliverable submitted by DOE required to be approved pursuant to this Consent Order, within the time frames established in this section unless specifically scheduled otherwise in the Consent Order. In the course of their review, DEQ will consult with DOE regarding the adequacy of each deliverable. Oral comments made during these discussions shall not require a written response by the parties.

2.13.4 Deliverables which do not require DEQ approval under this Consent Order, shall be provided to DEQ for review and comment. In the event that DOE disagrees with DEQ's comments, DOE shall respond to DEQ's comments in writing explaining DOE's position. If DOE has not received comments from DEQ within 30 days of submittal of the deliverable, it will be deemed that DEQ has no comments. Disagreements concerning comments to deliverables that are not required to be approved under this Consent Order will not constitute a dispute under Subsection 2.9 unless otherwise agreed by the parties.

2.13.5 For any deliverable that requires DEQ approval under the provisions of this Consent Order, the following procedures shall apply:

2.13.5.1 DEQ shall, within 30 days of receipt, take action as follows: (1) approve, approve with modification, or disapprove the deliverable as submitted, or (2) return the deliverable to DOE with comments so that changes can be made for resubmittal. Proposed revisions approved or approved with modification shall be deemed to be "conditionally" approved or "conditionally" approved with modification pending final approval or approval with modification after public review and comment and consultation with affected states and EPA pursuant to Subsection 2.5. For proposed revisions that are conditionally approved with modification or disapproved, DOE may invoke dispute resolution as provided in Subsection 2.9. DEQ may extend the review period of this section by an additional 30 days by notifying DOE. This period may be further extended for an additional period of time, as may be agreed to by the parties. Comments on the deliverable shall be provided with adequate specificity so that DOE can make the appropriate changes to the document. To the extent applicable, comments should refer to specific paragraphs of any sources of authority or references on which the comments are based, and upon request of DOE, DEQ shall provide a copy of the cited authority or reference.

2.13.5.2 If DEQ fails to take one of the actions specified above within the time frames required by this Consent Order, DOE may initiate dispute resolution under Subsection 2.9. If DEQ extends the review period for a deliverable, any milestones or planning dates dependent upon the results of

deliverable review will automatically be extended an equivalent amount of time as the time taken beyond the specified time frame for review.

2.13.5.3 In the event that DEQ returns the deliverable to DOE with comments, within 30 days of receipt, DOE shall incorporate the comments and shall re-transmit the deliverable. DOE may extend this period by an additional 30 days by notifying DEQ. This period may be further extended for an additional period of time, as may be agreed to by the parties. In the event DOE disagrees with DEQ's comments and the parties are unable to resolve their disagreement, DOE may invoke the dispute resolution provisions of Subsection 2.9.

2.13.5.4 The project managers' quarterly meeting minutes may document DEQ approvals, conditional approvals, or agreement on DEQ approvals or conditional approvals with modification.

2.14 Modification

The STP schedules, covered wastes, and other provisions of Sections 3, "Idaho National Laboratory Treatment Facilities," through 6, "Waste Stream Treatment Plans," may be amended or modified by mutual agreement of the DEQ and DOE project managers, or may be made by approval of the DEQ of a proposal submitted by DOE pursuant to Subsection 2.13. Any such amendment or modification of this STP shall be in writing and shall be incorporated into the STP and be enforceable in the same manner as any other requirement of the STP. Agreement or approval of such modifications may be documented in the quarterly meeting minutes. If an amendment or modification constitutes a revision, it shall be subject to the procedures applicable to a conditionally approved revision set forth in Subsection 2.5.

Notwithstanding any other provision of this STP, DOE and DEQ agree to immediately modify the schedules in the STP to be consistent with the schedules in the Settlement Agreement and Consent Order (hereinafter "Settlement Agreement") issued by the Court on October 17, 1995, in the actions *Public Service Co. of Colorado v. Batt*, No. CV 91-0035-S-EJL (D.Id.), and *United States v. Batt*, No. CV-91-0054-S-EJL (D.Id.), and to reissue this STP accordingly, by a target date of November 30, 1995.

3. IDAHO NATIONAL LABORATORY TREATMENT FACILITIES

This section discusses the existing, planned, or commercial facilities, or other offsite facilities for the treatment of MW. MW streams to be treated in these facilities are discussed in Section 4 of this STP, the schedules for design and operation of these facilities are included in Section 5, and the identification and relationship of waste streams to treatment facilities are included in Section 6.

3.1 Idaho National Laboratory Treatment Facility Status

Table 3-1 identifies each of the INL facilities designated to treat MW. The table provides the status for each of the treatment facilities, along with the acceptable expected radionuclide-handling capabilities. The table also includes the status of the facilities, based on life-cycle asset management, made pursuant to DOE Order 430.1C Chg 2, "Real Property Asset Management." An explanation of the status of facilities that may be used in Table 3-1 follows:

- **Existing, Operating, Treating MW—**Existing system is currently operating and treating MW streams.

- **Existing, Planned to Treat MW—**Existing system is not currently treating MW streams. The system may be treating other waste (low-level, hazardous, and sanitary) or may not be operating at this time but has begun cold testing.

- **Planned, DOE-Approved—**DOE-HQ has approved the mission need for the facility; the facility has, at a minimum, begun design but has not yet reached the construction phase.

- **Planned, DOE-Unapproved—**Some planning has been initiated (e.g., engineering/feasibility studies, functional design criteria) but has not yet received approval of the mission need for the facility.

- **Existing, Standby—**Existing system is not currently treating waste. The system is being maintained for future application and will resume operations when funding is available.

Table 3-1. Idaho National Laboratory treatment facilities.

Facility	System	Handling*	HLW*	TRU*	LLW*	Facility Status
Advanced Mixed Waste Treatment Project	CH TRU/Mixed LLW Treatment Unit	CH	N	Y	Y	Existing, operating
Idaho Nuclear Technology and Engineering Center HEPA Filter Leaching System (CPP-659)	Extraction – HEPA Filter Leach	B	N	Y	Y	Existing, operating as needed, treating mixed waste as needed
Integrated Waste Treatment Unit	Sodium-Bearing Waste Treatment Facility	HLW	N	Y	Y	Existing, operating
Calcine Disposition Facility	Calcine Disposition Facility	HLW	Y	Y	Y	Planned, U.S. Department of Energy approved
Remote-Handled Waste Disposition Project	Sort, Segregate, Distillation, Deactivation, Neutralization, Water Reaction	B	N	Y	Y	Existing, operating
Sodium Components Maintenance Shop	Deactivation, Open/Melt/Drain, Neutralization, Stabilization, Water Reaction	CH	N	Y	Y	Existing, operating
Debris Treatment and Containment Storage Building (CPP-659)	Decontamination	CH	N	Y	Y	Existing, operating
Radioactive Mixed Waste Staging Facility (CPP-2725 and CPP-1617)	Macroencapsulation	CH	N	N	Y	Existing, operating
CPP-659, Room 428	Macroencapsulation	CH	N	N	Y	Existing, operating

*Key: RH = remote handled
CH = contact handled
B = both RH and CH
HLW = high level waste
Y = Yes
N = No

3.2 Description of Facilities Identified to Treat Mixed Low-Level Waste

Facilities identified for MLLW treatment and the respective technologies employed at each are described in the following subsections.

3.2.1 Commercial Treatment Facilities

Perma-Fix Environmental Services, Inc. — Perma-Fix Environmental Services, Inc. owns and operates three licensed and permitted MW treatment facilities. All facilities operate under a Nuclear Regulatory Commission Agreement State Radioactive Materials License and a RCRA Part B permit. Each Perma-Fix Environmental Services, Inc. facility has a variety of processes for the treatment of a wide range of MW streams; however, final disposal occurs at either Energy Solutions or the Nevada National Security Site.

- Perma-Fix of Florida is located in Gainesville, Florida. The facility has unique capabilities for the treatment of problematic MW streams. The facility is licensed and permitted to treat a variety of characteristic and listed MW, soil, liquid, sludge, and debris to LDR standards.

- Diversified Scientific Services, Inc. facility is located in Kingston, Tennessee. It employs thermal and non-thermal treatment technologies to treat high-organic MW streams. Wastes are combusted in a licensed industrial boiler to ensure the contaminants in the waste are destroyed or bound to meet LDR standards.

- Perma-Fix Northwest is located in Richland, Washington. It is a MW processing facility providing comprehensive LLW and MLLW processing services. Radiological operation and health-and-safety aspects of facility operations are conducted in accordance with a Radioactive Material License issued by the State of Washington. This license authorizes Perma-Fix to receive, store, and treat specific quantities of liquid and solid radioactive materials and waste from offsite generators, as well as self-generated materials.

Waste Control Specialists, LLC (WCS)—WCS is located in Andrews, Texas. WCS is currently permitted and authorized by the Texas Commission on Environmental Quality to process, treat, and dispose of many radioactive wastes. WCS holds an Industrial Solid Waste and Hazardous Waste Storage, Processing, and Disposal (RCRA) permit authorizing the treatment, storage, and land disposal of all

classifications of RCRA wastes. WCS is authorized by EPA to store and dispose of Toxic Substances Control Act waste. WCS' services include volume reduction, stabilization, macroencapsulation, thermal treatment, and direct disposal of LLW and MLLW. WCS is not permitted for treatment of elevated mercury. However, it routinely utilizes outside technology vendors in these situations.

WCS's Federal Waste Disposal Facility is dedicated to the disposal of DOE Class A, B, and C LLW and MLLW. This includes wastes that contain up to 100 nanocuries per gram of TRU isotopes and other greater-than-Class-A waste. LDR compliant, as well as polychlorinated biphenyl (PCB), wastes that are eligible for land disposal are also included.

Energy Solutions—Energy Solutions operates a treatment, storage, and disposal facility in Clive, Utah. The Energy Solutions facility has been in operation since 1988. This facility operates under an Nuclear Regulatory Commission Agreement State Radioactive Materials License and a RCRA Part B permit. Energy Solutions accepts LLW and MLLW for disposal. Treatment facilities are also in operation for RCRA treatment of solid and liquid MLLW prior to disposal. Current MW treatment technologies include stabilization, reduction/oxidation, deactivation, chemical fixation, neutralization, vacuum-assisted thermal desorption, macroencapsulation, and microencapsulation. Examples of waste routinely managed for treatment include soil, concrete, sludge, resins, personal protective equipment, lead solids, ash, and building debris.

Energy Solutions also operates an MLLW treatment facility in Oak Ridge, Tennessee, called the Bear Creek Road Facility. The Bear Creek Road Facility is the nation's largest licensed commercial LLW processing facility and offers innovative technologies for radioactive material volume reduction, including smelting, incineration, and compaction, with up to a 200-to-1 volume reduction.

3.2.2 Government-Owned Offsite Disposal Facilities

Nevada National Security Site (NNSS)—The MW Disposal Unit is located at the NNSS Area 5 Radioactive Waste Management Site. The MW Disposal Unit is RCRA-permitted and features a multi--layer liner and collection system that drains any potential moisture away from the buried waste containers. This technologically advanced cell became operational in December 2010 and replaces the previous MLLW disposal cell, which closed on November 30, 2010. In addition to disposal, MLLW may be stored at the Area 5 Radioactive Waste Management Site in accordance with a separate RCRA permit. In addition, NNSS can dispose of LLW.

3.2.3 Debris Treatment in Building CPP-659

Building CPP-659 is located at the Idaho Nuclear Technology and Engineering Center (INTEC) at INL. The debris treatment processes at Building CPP-659 utilize RCRA-permitted treatment units composed of sinks (with hoods), portable soak tanks, an ultrasonic cleaner, decontamination cubicles, a steam spray booth, and a decontamination cell. Several treatment technologies are currently used to treat debris in accordance with the RCRA Debris Rule (40 CFR 268.45 [alternative treatment standards]). These treatment technologies include water washing, chemical washing, high-pressure water and steam sprays, and ultrasonic cleaning.

3.2.4 High-Efficiency Particulate Air Filter Leach System (CPP-659)

Contaminated high-efficiency particulate air (HEPA) filters will be treated in the RCRA-permitted HEPA Filter Leach System located in Building CPP-659 at INTEC. This system uses chemical extraction to remove radionuclides and other hazardous constituents from used HEPA filters. This system can treat both MLLW and TRU-contaminated waste. After leaching, the filters should be ready for packaging for LLW disposal. The leachate generated by HEPA filter leaching will be managed in INTEC's Liquid Radioactive Waste Management System (process equipment waste or liquid effluent treatment and disposal). The HEPA Filter Leach System is operated as required by waste generation.

3.2.5 Remote-Handled Waste Disposition Project (CPP-659, CPP-666, and CPP-1617)

The Remote-Handled (RH) Waste Disposition Project (RWDP) at INTEC transfers RH waste from INL storage areas and prepares the waste for shipment and disposal. This project manages RH-TRU and RH-MLLW. Additionally, some of the RH waste is contaminated with contaminants that require treatment in CPP-659 or CPP-666 (sort, segregate, absorb, size, and react) before disposal. These contaminants include sodium (Na) and sodium potassium (NaK), which present significant handling and treatment challenges. CPP-666 and CPP-659 have several permitted treatment processes for Na and NaK. The CPP-666 Fluorinel Dissolution Process Area (FDPA) Sodium Distillation System (SDS) treats Na and NaK-contaminated debris. Additionally, the CPP-666 FDPA cell and CPP-659 decontamination cell are permitted for water and air treatment of Na and NaK. CPP-659, CPP-666, and CPP-1617 are permitted waste storage areas, with the majority of the waste stored in CPP-1617.

3.2.6 Radioactive Mixed Waste Staging Facility (CPP-1617 and CPP-2725)

The INTEC Radioactive MW Staging Facility, CPP-1617 and CPP-2725, currently is HWMA/RCRA permitted to perform commercially available macroencapsulation using macropacks for smaller, lighter-weight, and lower-radiation dose wastes or macrobag/liner system from PacTec known as the High Modulus Polymeric Packaging System (HMPPS). The HMPPS uses a polymeric organic liner/jacket for secure macroencapsulation of radioactive lead solids and hazardous debris in soft-sided bags of various sizes. Heavier, bulkier, or higher-radiation dose wastes are anticipated to be macroencapsulated in cement, grout-based, custom macroencapsulation unit(s).

3.2.7 INTEC, CPP-659

The INTEC CPP-659, Room 428, facility currently is HWMA/RCRA permitted to perform commercially available macroencapsulation using macropacks for smaller, lighter-weight, and lower-radiation dose wastes or a macrobag/liner system described above, the HMPPS. As noted above, the HMPPS uses a polymeric organic liner/jacket for secure macroencapsulation of radioactive lead solids and hazardous debris in soft-sided bags of various sizes.

3.2.8 Sodium Components Maintenance Shop (MFC-793)

The Sodium Components Maintenance Shop (SCMS) is an existing, operating MW treatment facility located at the Materials and Fuels Complex at INL. The SCMS has been used for many years to cleanse Na and NaK-contaminated operational components associated with the Experimental Breeder Reactor II reactor and is permitted to treat MW.

The SCMS is a unique facility at INL that is capable of treating and storing uniquely configured containers of ignitable, corrosive, reactive, and toxic metal-contaminated MW. The SCMS employs a water wash (reaction) vessel, caustic carbonation system, neutralization tank, and stabilization unit. Treatment technologies available at SCMS include deactivation, water reaction, neutralization, open/melt/drain, repackaging, and stabilization.

3.2.9 Advanced Mixed Waste Treatment Project

The Advanced Mixed Waste Treatment Project (AMWTP) currently performs onsite macroencapsulation treatment on drums and boxes containing mixed low-level debris waste. The current approved list of macroencapsulation treatment methods includes stainless-steel cargo macroencapsulation, high-density polyethylene liner macroencapsulation for product drums, and the HMPPS macroencapsulation for drums and boxed waste. The HMPPS is made from high-strength, high-density polyethylene and polypropylene specially formulated to resist contaminants and leachate. It consists of a zippered inner bag, a polyvinyl chloride-coated nylon middle liner, and a zippered outer shell.

3.3 Description of Facilities Required to Treat the Mixed Transuranic-Contaminated Waste at the Idaho National Laboratory

Mixed transuranic (MTRU) waste contains more than 100 nCi of alpha-emitting TRU isotopes per gram of waste with half-lives greater than 20 years. Alpha-contaminated MLLW (α-MLLW) contains between 10 and 100 nCi of alpha-emitting TRU isotopes per gram of waste with half-lives greater than 20 years. DOE has historically managed α-MLLW and MTRU waste together in the same storage areas/facilities at INL and generally plans to treat and/or repackage wastes at INL (both MTRU and α-MLLW) to meet the waste acceptance criteria (WAC) for disposal at WIPP for the legacy waste noted in Table 4-2 and for newly generated MTRU waste noted in Table 4-2a. Contact-handled (CH) MTRU waste and α-MLLW are treated and managed at AMWTP. RH-MTRU waste will be treated and managed in existing facilities at INTEC by RWDP.

DOE no longer uses the designation α-MLLW for MLLW with TRU contamination between 10 and 100 nCi per gram of waste. Instead, DOE now classifies all waste with 100 nCi/g or less of alpha-emitting TRU isotopes as MLLW. All newly generated covered MLLW will be identified and tracked in Table 4-1 as applicable and appropriate.

As a result of processing TRU-contaminated waste as described in Subsection 5.4, DOE expects to identify or generate quantities of waste that will be appropriately managed as MLLW.[a] DOE is currently repacking RH-TRU waste at INTEC for shipment and disposal at WIPP in accordance with the WIPP WAC.

a. See footnote g in Subsection 5.4, infra.

3.3.1 Remote-Handled Waste Disposition Project

RWDP transfers RH waste from INL storage areas and prepares the waste for shipment and disposal. This project manages RH-TRU and RH-MLLW. Additionally, some of the RH waste contains contaminants that require treatment in CPP-659 or CPP-666 (sort, segregate, absorb, size, and react) before disposal. These contaminants include Na and NaK, which present significant handling and treatment challenges. CPP-666 and CPP-659 have several permitted treatment processes for Na and NaK. The CPP-666 FDPA SDS treats Na and NaK-contaminated debris. Additionally, the CPP-666 FDPA cell and CPP-659 decontamination cell are permitted for water and air treatment of Na and NaK. CPP-659, CPP-666, and CPP-1617 are permitted waste storage areas, with the majority of the waste stored in CPP-1617.

3.3.2 Advanced Mixed Waste Treatment Project

The ultimate goal of AMWTP is to prepare TRU waste for shipment and to produce final waste forms that are certified for disposal at WIPP. AMWTP is designed to process approximately 65,000 m^3 of legacy MLLW and CH-TRU MW and radioactive waste. The original volume of TRU-contaminated MW is listed in Table 4-2. Subsection 4.2, "Transuranic Contaminated Waste Streams," also includes the volume of this waste that has been processed to meet the requirement of Subsection 5.4. The waste slated for the AMWTP waste management units is retrieved from storage; characterized for storage, treatment, or direct shipment; stored (if necessary); treated (as required); packaged; and certified for disposal at WIPP or determined to be appropriately managed as MLLW as described in Subsection 5.4.[b]

3.4 Description of Facilities Required to Treat Calcine and Sodium-Bearing Waste

INL currently manages both calcined solids and sodium-bearing waste (SBW). The calcined solids are considered to be mixed HLW. SBW that has been treated by Integrated Waste Treatment Unit (IWTU) and steam reformer product is currently being assessed by DOE for proper radiological waste classification. *The Idaho High-Level Waste & Facilities Disposition, Final Environmental Impact Statement* (DOE/EIS-0287; September 2002) analyzed the environmental impacts of alternative treatment disposal options for these wastes. In a December 2005 Record of Decision, DOE decided to treat SBW

b. See footnote g in Subsection 5.4, infra.

using steam reforming technology. Until such time as regulatory approvals are obtained, DOE will manage the waste for storage at the INL Site until a disposition path is available.

The current plan for SBW at INTEC is treatment in IWTU, followed by disposal of the steam reformer product at an offsite facility (once available). The SBW and/or steam reformer product may be further treated via appropriate treatment processes if required to support offsite disposal.

The current treatment plan for calcined solids is a calcine disposition facility that will include, at a minimum, retrieval from the bin sets, treatment as necessary, and repackaging capabilities. The packaged calcine will be staged onsite pending shipment.

3.4.1 Calcine Disposition Project

The Calcine Disposition Project will use a process that meets current regulatory requirements to meet the most stringent standards of the *Civilian Radioactive Waste Management System - Waste Acceptance System Requirements Document* (DOE/RW-0351).

A petition to develop an LDR treatment standard for the listed hazardous waste numbers for the treated calcine waste under RCRA regulation will be pursued if necessary. This will allow staging of the waste form at an interim staging facility and/or disposal at an approved disposal facility.

The Calcine Disposition Project will complete the action in the *Idaho High-Level Waste & Facilities Disposition Final Environmental Impact Statement* published in September 2002 (DOE/EIS-0287). The steps in the proposed action include:

- Retrieve, prepare, and treat (if necessary) the mixed HLW calcined solids from the Calcined Solids Storage Facility (CSSF) with an accepted process to be suitable for interim staging or offsite disposal

- Package processed calcine to enable safe interim staging of HLW calcine destined for an offsite disposal facility.

3.4.2 Sodium-Bearing Waste Treatment Facility

The SBW treatment facility, called IWTU, commenced operation in April 2023. IWTU is processing liquids and associated solids SBW at INTEC into solid steam reformer product suitable for permanent disposal, consistent with the *Idaho High-Level Waste & Facilities Disposition Final Environmental Impact Statement* published in September 2002 (DOE/EIS-0287) and the December 2005 Record of Decision. If additional treatment is required to support offsite disposal, then appropriate treatment processes may be used.

4. COVERED WASTE

This STP covers MW stored, generated at, or shipped to INL. This section of the STP identifies those MW streams, both onsite and offsite, that are intended to be treated at INL. MW treated at INL may include low-level, TRU-contaminated waste, calcined solids, and SBW. Not all MW at INL is included in this STP. Newly generated MW that is treated within 1 year, consistent with current RCRA regulations, is not required to be covered by this STP. If a waste will not be treated within the 1-year time period, that waste is then added to the STP by the provision found in Subsection 2.4.

4.1 Mixed Low-Level Waste Streams

For purposes of the STP, MLLW is (a) MW that is not HLW and (b) MW that contains 100 nCi/g or less of waste of alpha-emitting TRU isotopes with half-lives greater than 20 years. MLLW waste streams at the INL are identified in Table 4-1. Historically at the INL, α-MLLW (MLLW with TRU contamination between 10 and 100 nCi/g of waste) was managed as MTRU waste and is covered in Subsection 4.2 and listed in Table 4-2. However, since 1999 when DOE Order 435.1 was finalized, DOE no longer uses the designation α-MLLW for MLLW with TRU contamination between 10 and 100 nCi/g of waste. Instead, DOE now classifies all waste with less than or equal to 100 nCi/g of alpha-emitting TRU isotopes as MLLW. All newly generated covered MLLW will be identified and tracked in Table 4-1 as applicable and appropriate.[c]

c. See footnote g in Subsection 5.4, infra.

Table 4-1. Mixed low-level waste streams requiring treatment.

Waste Stream ID	Waste Stream Name	Current Storage Vol (m^3)	Five-Year Generation (m^3)
CH-ANL-180CH	Sodium MLLW Contact Handled	8.776	0.00
CH-ANL-180RH	Sodium MLLW Remote Handled	32.622	0.00
CH-ANL-182CH	Sodium Potassium NaK Contact Handled	1.022	0.00
CH-ANL-182RH	Sodium Potassium NaK Remote Handled	0.100	0.00
CH-ANL-716CH	MLLW Contact Handled	0.00	0.00
CH-ANL-716RH	MLLW Remote Handled	2.00	0.00
ID-AMWTP-100	Mixed Waste Incidental to Processing	19.580	50.00
ID-INL-806	INTEC MLLW	3.274	1.10
ID-SDS-MLLW	Non-Settlement Agreement, Non-TRU MLLW, Containers of Waste and Debris with Sodium and Cadmium from SDS System	7.974	0.57
ID-TEC-175	INTEC Liquid Waste	65.860	5.7
	Total	141.208	57.37

4.2 Transuranic-Contaminated Waste Streams

The waste streams in this Subsection 4.2 are the remaining original TRU-contaminated waste streams (i.e., waste stored as TRU at the time the Settlement Agreement was signed and approved by the court on October 17, 1995). These streams included both MTRU and α-MLLW. MTRU is MW that contains more than 100 nCi of alpha-emitting TRU isotopes per gram of waste with half-lives greater than 20 years. α-MLLW is MW containing between 10 and 100 nCi of alpha-emitting TRU isotopes per gram with half-lives greater than 20 years.[d] DOE has historically managed MTRU and α-MLLW waste together in the same storage areas/facilities at INL and generally plans to treat and/or repackage wastes at INL (both MTRU and α-MLLW) to meet the WAC for disposal at WIPP. Under the WAC, WIPP only accepts MTRU and TRU waste that has been characterized per the WIPP Waste Analysis Plan and that meets the treatment, storage, and disposal facility WAC as presented in the WIPP Hazardous Waste Facility Permit. As a result, DOE is currently

d. As described in Subsection 4.1, "Mixed Low-Level Waste Streams," supra, DOE no longer uses the designation α-MLLW for MLLW with less than 100 nCi per gram of waste. The waste DOE previously designated as α-MLLW is contained in Table 4-2 and will be disposed of in accordance with Subsections 4.2, "Transuranic-Contaminated Waste Streams," and 5.4, "Mixed Transuranic-Contaminated Waste Shipped to the Waste Isolation Pilot Plant (or Other Offsite Disposition," infra.

managing all waste contained in Table 4-2 as MTRU. During processing, DOE expects to identify or generate waste that will be more appropriately managed as MLLW and processed in accordance with Subsection 5.4.[e]

Table 4-2 lists all MTRU-contaminated waste streams subject to this STP that are also subject to the Settlement Agreement (referenced in Subsection 2.14) requirement that DOE ship the waste out of the State of Idaho by December 31, 2018.

As of February 21, 2017, retrieval was completed for all "original volume" TRU waste stored at the time the Settlement Agreement was signed. The estimated "original volume" of TRU was approximately 65,000 m^3, and the final volume retrieved was 66,400 m^3.

Based on the following, traceability to the original STP TRU-contaminated waste streams is no longer practical:

- The original TRU-contaminated waste streams and volumes covered by the STP were estimates based on the best available historical data at the time
- Many original containers of waste were not retrieved intact, and waste had to be packaged into multiple containers
- Multiple iterations of waste repackaging have taken place
- Newly defined requirements (enhanced acceptable knowledge, overpacking) for WIPP disposal required rework of previously processed TRU contaminated waste.

The new Table 4-2 is a consolidation of the remaining volume of TRU-contaminated waste stored at INL (as of September 30, 2023) that requires processing to be able to ship outside the State of Idaho.

e. See footnote g in Subsection 5.4, infra.

Table 4-2. Currently stored original volume transuranic-contaminated waste streams still requiring processing for disposal outside the State of Idaho.

Waste Stream ID	Waste Stream Name	STP ID Total Remaining Original Volume (m^3)
Legacy-BN510.4	Supercompacted Legacy Debris	1,456.160
Legacy-Sludge	Legacy Sludge	44.520
Legacy-Sludge Repack	Repackaged Legacy Sludge	2,145.864
Legacy-Soil	Legacy Soil	14.204
Legacy-Uncomp Debris	Uncompacted Legacy Debris	271.042
RWDP Managed Mixed-TRU and TRU Waste Streams		
BN510	Advanced Mixed Waste Treatment Facility Suspect RH-TRU	1.352[a]
ID-RWDP-RH	Waste to be Processed by RWDP	0.114
ID-SDS-TRU	TRU Waste from SDS Treatment	0.114
ID-WIPP-RH	RWDP Waste Waiting to be Certified to WIPP	10.928

a. One waste stream, BN510, which was generated from RWDP treatment of original TRU-contaminated waste streams, was added to this table. This waste stream will continue to be managed as part of the original TRU-contaminated waste streams until it is deleted from the STP per Subsection 2.7.

4.2a Newly Generated Transuranic-Contaminated Waste Streams

The waste streams covered by this Subsection 4.2a consist of newly generated MTRU waste (i.e., MTRU generated after the effective date of the Settlement Agreement) and are listed in Table 4-2a. Newly generated MTRU wastes may result from INL operations such as fuel and scrap materials handling, research, waste handling and processing, and fuel reprocessing. All waste streams listed on the table are believed to be MW streams that contain more than 100 nCi of alpha-emitting TRU isotopes per gram of waste with half-lives greater than 20 years and are, therefore, being managed as MTRU waste. DOE plans to process the MTRU waste in Table 4-2a in accordance with Subsection 5.4a, “Processing of Newly Generated Mixed Transuranic Contaminated Waste,” after DOE has processed all waste in Table 4.2.

During processing, DOE expects to identify or generate waste that will be more appropriately managed as MLLW. If DOE identifies or generates MLLW as a result of processing the Table 4-2a waste, DOE will identify and track the waste in accordance with Subsection 5.4a.

The proposed INL facilities to treat MTRU-contaminated waste in Table 4-2a are identical to those listed in Subsection 4.2. If DOE selects alternative facilities to treat the Table 4-2a waste, DOE will notify the State of Idaho and amend this STP as necessary.

Table 4-2a. Newly generated transuranic-contaminated waste streams designated for the Waste Isolation Pilot Plant.

STP ID	Waste Stream Name	STP Total (m^3)	Five-Year Generation (m^3)
CH-ANL-180Ta	Sodium – TRU	0.114	0.00
CH-ANL-241Ta	MTRU RH to be WIPP Certified	0.208	2.50
CH-ANL-241Ta1	MTRU RH to be Repackaged in CPP-666	1.100	0.00
ID-AMWTP-100Ta	MTRU Incidental to Processing	591.018	140.00
ID-TEC-172Ta	MTRU HEPA Filters	2.55	1.00
ID-TEC-670Ta	MTRU Laboratory Analytical Waste	6.784	0.00
ID-TEC-699Ta	MTRU Waste from NWCF and CSSF	0.320	0.00
ID-WIPP-RHa	RWDP Newly Generated Waste Waiting to be Certified	5.616	0.00
	Total	607.710	143.500

4.3 Calcine and Sodium-Bearing Waste

INL manages calcined solids, SBW, and IWTU steam reformer product. These waste streams are listed in Table 4-3. The calcined solids are considered HLW. DOE is evaluating the disposition path for the IWTU steam reformer product at this time. Until such time as the regulatory approvals are obtained and a determination is made, DOE will manage the waste for appropriate storage at the INL Site. The environmental impacts of alternative treatment and disposal options for this waste were analyzed in the *Idaho High-Level Waste & Facilities Disposition, Final Environmental Impact Statement* (DOE/EIS-0287, September 2002).

Table 4-3. Waste calcine and sodium-bearing waste.

Waste Stream ID	Waste Stream Name	Current Storage Volume (m^3)	Five-Year Generation (m^3)
ID-TEC-173	Sodium-Bearing Waste	2,165.324	0.00
ID-TEC-174	High-Level Waste Calcine Solids	4,386.00	0.00
ID-TEC-176	IWTU Steam Reformer Product	305.800	1,078.00
ID-TEC-177	Other IWTU Maintenance Waste (waste eligible for a waste incidental to reprocessing determination)	19.410	60.00
	Total	6,876.534	1,138.00

4.4 Offsite Mixed Waste Streams Identified for Treatment by the Idaho National Laboratory

This subsection presents MW stream information for wastes generated offsite, which DOE proposes to ship and treat pursuant to Subsections 2.2.3.5 and 2.4 of the INL STP.

Information presented in this subsection is subject to change as more information from offsite sources becomes available.

Table 4-4 presents the name of the generating and/or shipping site, the MW inventory report identification number, the waste stream name, the current stored volume, the projected 5-year shipment volume, and the date the applicable waste treatment plan was approved by DEQ pursuant to Subsection 2.4.4.

Proposals for shipment to INL of the wastes listed in this subsection are subject to change based on the final treatment plans derived from waste characterization data submitted by offsite generators and negotiations with the State of Idaho.

When a waste stream is removed from Table 4-4 under the provisions of Subsection 2.7.2, the waste stream will be added to Table 4-6.

Table 4-4. Offsite waste streams identified for treatment at the Idaho National Laboratory.

Waste Stream ID	Waste Stream Name	Received into Storage at INL m^3 (gross)	Received into Storage at INL m^3 (net)	Shipped Offsite (m^3)	Future Generated Volume (m^3/5 year)	Storage Approval Date	Volume Approved for Storage (m^3)
LA-MHD01.001	Los Alamos National Laboratory Heterogeneous Debris	0	0	0	450	09/19/2025	2

4.5 Pre and Post-Treatment/Storage of Offsite Mixed Waste

This subsection details the process that will be followed for tracking INL storage of offsite MW listed in Table 4-4 of the INL STP.

Pursuant to Subsection 2.2.3.5 of the INL STP, approval by DEQ for up to 6 months pre and post-treatment storage of offsite MW listed in Table 4-4 of the STP is granted when the treatment plans are approved by DEQ pursuant to Subsection 2.4. The approval date for each offsite waste stream is listed in Table 4-4. For purposes of defining the end of the first 6 months and beginning of the second 6 months, treatment will be considered complete when the primary treatment step has been completed. The primary treatment step is defined as the first step in the treatment train that renders the waste less hazardous and excludes pre-treatment (e.g., sizing, repackaging, and blending) as identified in the treatment plan in Table 6-2 of the STP. As an example, incineration is considered the primary treatment step in the treatment train of transport, open/segregate/repack, incineration, and stabilization. Macroencapsulation is the primary treatment step in the treatment train of transport, open/segregate/repack, sizing, and macroencapsulation.

Offsite waste storage for greater than 6 months, pre and post-treatment storage at INL, requires additional approval by DEQ. That approval is identified in Paragraph (d) and will be documented in Table 4-4.

The following process will be used for notification and documentation:

(a) Subsequent to approval of the treatment plan by DEQ, DOE will notify DEQ at the quarterly meeting of the proposed schedule for receipt and completion of the primary treatment of offsite MW, and shipment of the treated waste and waste treatment residues offsite or, if necessary, no later than 1 week prior to the shipment of the waste. This notification will be accomplished by submittal of a new STP Table 4-5 that lists the waste streams and the corresponding dates.

(b) The DOE STP project manager will also orally notify the DEQ STP project manager of the actual dates the offsite MW is received at INL, when the primary treatment step listed in Table 6-2 is complete, and when the waste and treatment residues are shipped offsite. This oral notification will be made within 2 working days of the occurrence. Table 4-5 will be updated at each quarterly INL STP meeting to reflect the actual dates if these dates differ from the dates proposed in Table 4-5. When a waste stream has been shipped offsite, it will be removed from Table 4-5 at the next quarterly INL STP meeting.

(c) In the event delays beyond the control of DOE occur (such as treatment unit downtime, maintenance, or transportation delays) that could impact the ability to meet the proposed schedule submitted in Table 4-5, the DOE project manager will orally notify the DEQ STP project manager within 5 days of knowledge of the delay. A modified Table 4-5 will be developed by DOE and submitted to DEQ in writing within 10 working days of the initial oral notification of the delay.

(d) For offsite MW, which is in Table 4-4 of the INL STP, that requires greater than 6-months of pre and post-treatment storage at the INL, approval by DEQ of the proposed schedule will be obtained under Subsection 2.2.3.5 of the INL STP on a case-by-case basis through submittal of the proposed schedule added to Table 4-5. The date the approval is obtained from DEQ will be added to Table 4-4, which will be updated as part of the quarterly INL STP meetings.

Table 4-5. Offsite mixed waste streams approved for treatment and storage.

Waste Stream ID	Site Name	Waste Requires Greater than 6 Months Pre and/or Post-Treatment Storage	Date Received P = Proposed A = Actual	Date of Primary Treatment or Sampling. P = Proposed A = Actual	Date Treated Wastes and/or Treatment Residues Shipped Offsite P= Proposed A= Actual
NOTE: *No offsite waste was received onsite during FY 2025.*					

4.6 Deletion of Waste Streams

This subsection presents MW streams that are no longer identified as wastes covered under this STP. These waste streams have been removed under provisions in Subsection 2.7.1. Table 4-6 presents the MW streams and dates when the waste was removed. (*Note: When the STP was developed in 1995, the original volume of stored TRU-contaminated waste was estimated to be approximately 65,000 m^3 and*

the TRU-contaminated STP waste streams were developed based on the best available data at the time. Those data were used as an estimate of the TRU-contaminated waste stored at INL. As of February 21, 2017, all the "original volume" TRU-contaminated waste stored at the time of the Idaho Settlement Agreement was retrieved. The final volume of TRU-contaminated waste retrieved was 66,400 m^3. All STP original TRU-contaminated waste streams are included in Table 4-6. However, some of the original volume of TRU-contaminated waste is still stored at INL, and that waste is included in Subsection 4.2 and Table 5-6. For these TRU-contaminated waste streams, the disposition date is September 30, 2023.)

Table 4-6. Deleted waste streams.

Waste Stream ID	Waste Stream Name	Disposition Date
AECHDM-PK	Argonne National Laboratory-Chicago Disposition: Treated and shipped offsite.	12/14/13
AECHHM-PK	Argonne National Laboratory-Chicago Disposition: Treated and shipped offsite.	3/18/14
AE-W015	Organic Solvents Disposition: Alternative treatment technology.	1/24/01
AE-W030	Combustible Solids with Metals Disposition: Alternative treatment technology.	1/24/01
AE-W031	Combustible Solids with Organics Disposition: Alternative treatment technology.	1/24/01
AE-W034	Personal Protective Equipment Contaminated with Lead Disposition: Alternative treatment technology.	1/24/01
AF-MW-01	Air Force Munitions Maintenance Waste Disposition: Alternative treatment technology.	1/24/01
ANL-E (debris)	Argonne National Laboratory-Chicago Disposition: Treated and shipped offsite.	1/3/12
ANL-E (sludge)	Argonne National Laboratory-Chicago Disposition: Treated and shipped offsite.	1/3/12
BN-W007	Mercury Waste Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W001	Organic Liquid Waste with Heavy Metals Disposition: Alternative treatment technology.	1/24/01
BT-W002	Spent Solvent Rags Disposition: Treated and no future generation of this waste stream.	10/29/97
BT-W003	Organic Waste with Heavy Metals Disposition: Alternative treatment technology.	1/24/01
BT-W005	Paint Chips with Heavy Metals May Have PCB Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W007	Solids With Solvents Disposition: Treated with no future generation of this waste stream.	10/29/97

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
BT-W008	Mercury-Containing Waste Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W009	VOC-Contaminated Soil Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W010	Organic Liquids with Heavy Metals PCBs and VOC Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W012	VOC and PCB-Contaminated Debris Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W013	VOC and PCB-Contaminated Soil Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W017	Ion Exchange Resin Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W018	TCLP Extraction Fluid Disposition: Alternative treatment technology.	1/24/01
BT-W019	Elemental Lead Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W020	Brass and Bronze Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W028	VOC and PCB-Contaminated Water Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W029	VOC-Contaminated Sediment/Sludge Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W030	VOC-Contaminated Debris Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W031	VOC and PCB-Contaminated Sludge Disposition: Waste will not be received at INL for treatment.	10/31/01
BT-W033	Ignitable Liquid Disposition: Treated with no future generation of this waste stream.	10/29/97
BT-W036	PCB-Contaminated Inorganic Debris/Partic Disposition: Waste will not be received at INL for treatment.	10/31/01
CH-ANL-111	Uranium/Cadmium from FCF Disposition: Treated and no longer generated.	4/22/09
CH-ANL-142	Lead Contaminated Solids ANL-W Operations Disposition: Treated and no longer generated.	10/31/10
CH-ANL-142T	Lead-Contaminated Waste Disposition: Treated and no longer generated.	10/11/14
CH-ANL-179	Sodium (Contaminated) Tin Bismuth Disposition: Treated and no longer generated.	01/24/18
CH-ANL-180	Sodium-LLW Contact Handled Disposition: Treated and no longer generated.	9/28/13

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
CH-ANL-180T	Sodium – TRU Disposition: Treated and no longer generated.	11/01/23
CH-ANL-182	Sodium Potassium NaK Disposition: Treated and no longer generated.	9/28/13
CH-ANL-182T	Sodium Potassium -NaK – TRU Disposition: Treated and no longer generated.	1/21/16
CH-ANL-183	Radioactive Paint Stripping Waste Disposition: Treated and no longer generated.	10/27/04
CH-ANL-184	Solvent Decon Solution (Nonhalogenated) Disposition: This waste was sent to Diversified Scientific Services, Inc. and burned for energy recovery. There is no waste currently in storage associated with this waste stream or that is projected to be generated in the next 5 years.	2/12/96
CH-ANL-218T	Electrorefiner Salts Disposition: Combined with another waste stream.	4/22/09
CH-ANL-224	Contaminated Hg-IBC Cask Maintenance Disposition: Treated and no longer generated.	10/31/10
CH-ANL-241T	TRU-CD-Hot Cell Waste Disposition: Treated and no longer generated.	8/8/23
CH-ANL-243T	Metal Waste Form Disposition: This waste will not be generated as a MW; LLW only.	6/30/97
CH-ANL-244	ICP Waste Solutions with Heavy Metals Disposition: Treated and no longer generated.	4/22/09
CH-ANL-245T	Electrorefiner Cadmium Disposition: Combined with another waste stream.	4/22/09
CH-ANL-246T	Electrorefiner Insolubles with Cadmium Disposition: This waste will not be generated as a MW, LLW only.	6/30/97
CH-ANL-503	Spent HEPA Filters and Pre-Filters Disposition: Treated and no longer generated.	4/22/09
CH-ANL-503T	TRU Waste Used Pre-Filters Disposition: Treated and no longer generated.	10/29/14
CH-ANL-503Ta	TRU Waste Used Pre-Filters Disposition: Treated and no longer generated.	10/29/14
CH-ANL-505T	ALHC Upgrade Decon Debris	10/28/20
CH-ANL-506	Sodium Stored In Building 703 and Other Disposition: Moved to CH-ANL-180CH.	10/29/14
CH-ANL-553	WCA MW Disposition: Treated and no longer generated.	7/31/19
CH-ANL-554	Lead-Contaminated Debris Disposition: Treated and no longer generated.	10/31/10

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
CH-ANL-601	Cd-Contaminated Cleanup Waste Disposition: Incinerated at WERF. No waste is currently in storage (no backlog) and waste is not projected to be generated.	5/28/96
CH-ANL-660	ANL-W Mercury and Mercury Debris Disposition: Treated and no longer generated.	10/31/10
CH-ANL-669	MLLW Cd: FCF Modification and ER Work Disposition: Treated and no longer generated.	1/21/04
CH-ANL-683	Laboratory Corrosive Waste Disposition: Treated and no longer generated.	4/22/09
CH-ANL-691	Treat/PHP Stack Condensate Water Disposition: Treated and no longer generated.	1/21/04
CH-ANL-711	EML Etching Solution Disposition: Treated and no longer generated.	1/21/04
CH-ANL-712	ANL-W Etching Solutions Disposition: Treated and no longer generated.	1/21/04
CH-ANL-716	Debris and/or Solids with Heavy Metals Disposition: Treated and no longer generated.	9/28/13
CH-ANL-722	Lithium Hydride Disposition: Treated and no longer generated.	2/04/19
CH-ANL-RPK	Repackaged Waste for SCMS Disposition: Treated and no longer generated.	10/31/10
CN-W002	Lead and Lead-Bearing Materials Disposition: Has been sent to Envirocare for treatment and disposal. No waste currently in storage (no backlog) and waste is not projected to be received from Charleston Naval Shipyard.	2/24/97
CN-W003	Lead and/or Chromium-Based Paint Chips Disposition: Treated and no longer generated.	4/21/04
CN-W005	Cd-Plated Metals Disposition: Treated and no longer generated.	4/21/04
CN-W006	Brass and Bronze Disposition: Treated and no longer generated.	4/21/04
ET-CC-01	Waste Oils Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
ET-W009	Paint Chips Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
ET-W019	Chrome Salt Cores Disposition: Waste will not be received at INL for treatment.	10/31/01
ET-W020	Laboratory Analytical Reagent Waste Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ET-W023	Elemental Mercury Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
ET-W026	Crushed Mercury Light Bulbs Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GA-CC-01	Ca-Listed Wastes Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GA-W003	SVA: Pb-Contaminated Sludge Disposition: Has been treated at Hanford and onsite. This waste will not be received at INL.	2/24/97
GA-W007	Hot Cell D&D: Pb Shot Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GA-W013	Hot Cell D&D: Pb Brick Disposition: Accepted by Envirocare under the MW Focus Area Cooperative Agreement. This waste will not be received at INL.	2/24/97
GA-W025	SVA: Lead Scrap Disposition: Has been shipped for offsite treatment. This waste will not be received at INL.	2/24/97
GA-W031	SVA: Oily Debris Containing Methylene Cl Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GA-W034	Doublet 11 Alcohol and Tritium Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GA-W037	Waste with F-Listed Solvents Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GA-W038	Miscellaneous Liquid Solvents Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GA-W043	SVA Organic Liquid Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GA-W044	Wood Housing HEPA Filters Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
GEV Debris	Debris Waste from General Electric Vallecitos Offsite Waste Disposition: Treated and shipped offsite.	11/19/10
GJPO-94-017	Waste Oil Sludge Disposition: Alternative treatment technology.	1/24/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
GJPO-96-017	Miscellaneous. Combustible MW Disposition: Alternative treatment technology.	1/24/01
GJPO-97-030	Activated Carbon Disposition: Alternative treatment technology.	1/24/01
HNF Waste	Hanford Offsite Waste Disposition: Treated and shipped offsite.	6/27/11
ID-AEO-100	General Plant Waste Disposition: Combined with ID-AEO-100.	10/26/06
ID-AEO-101	Cut Up Gloveboxes Disposition: Combined with ID-AEO-101T.	10/26/06
ID-AEO-100T	General Plant Waste Disposition: Treated and no longer generated.	11/01/23
ID-AEO-101T	Cut Up Gloveboxes Disposition: Treated and remaining volume combined with BN510.	10/26/06
ID-AEO-102	Absorbed Liquids Disposition: Combined with ID-AEO-102T.	10/26/06
ID-AEO-102T	Absorbed Liquids Disposition: Treated and no longer generated.	11/01/23
ID-AEO-105T	Empty Bottles and Absorbents Disposition: Treated and no longer generated.	11/01/23
ID-AEO-106T	Special Source Material Disposition: Treated and no longer generated.	11/01/23
ID-AEO-107T	Remote-Handled Waste Disposition: Treated and no longer generated.	11/01/23
ID-AEO-110T	Research-Generated Waste Compactible & Combustible Disposition: Treated and no longer generated.	11/01/23
ID-AEO-120T	Compactible and Combustible Waste Disposition: Treated and no longer generated.	11/01/23
ID-AMWTP-200	Reclassified MLLW from TRU Disposition: Waste was being counted in BN510 for this waste stream, causing duplicate counting.	10/23/13
ID-AMWTP-300	Mixed Low-Level Waste from ANL Disposition: The waste was moved back into the original waste stream of CH-ANL-553 for tracking purposes.	10/23/13
ID-ANL-160T	ANL-W HFEF Analytical Chemistry and Metal Disposition: Treated and shipped to WIPP.	10/26/10
ID-ANL-161	ANL-W Analytical Chemistry Laboratory Glassware Disposition: Treated and no longer generated.	11/01/23
ID-INL-162T	ANL-W FMF EFL Zr-U Fuel Casting Alloys Disposition: Treated and no longer generated.	11/01/23

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-ANL-163T	ANL-W ACL Cold-Lined Absorbed Liquid, Mare Island Naval Shipyard (vol. moved to BN510) Disposition: Treated and no longer generated.	7/27/16
ID-BCO-201	Noncombustible Solids Disposition: Combined with ID-BCO-201T.	10/26/06
ID-BCO-201T	Noncombustible Solids Disposition: Treated and no longer generated.	11/01/23
ID-BCO-202	Combustible Solids Disposition: Combined with ID-BCO-202T.	10/26/06
ID-BCO-202T	Combustible Solids Disposition: Treated and no longer generated.	11/01/23
ID-BCO-203	Paper, Metals, Glass Disposition: Combined with ID-BCO-203T.	10/26/06
ID-BCO-203T	Paper, Metals, Glass Disposition: Treated and no longer generated.	11/01/23
ID-BCO-204	Solidified Solutions Disposition: Combined with ID-BCO-204T.	10/26/06
ID-BCO-204T	Solidified Solutions Disposition: Treated and no longer generated.	11/01/23
ID-BTO-010	Rags, Gloves, Poly Disposition: Combined with ID-BTO-010T.	10/26/06
ID-BTO-010T	Rags, Gloves, Poly Disposition: Treated and no longer generated.	11/01/23
ID-BTO-020	Noncompressible, Noncombustible Disposition: Combined with ID-BTO-020T.	10/26/06
ID-BTO-020T	Noncompressible, Noncombustible Disposition: Treated and no longer generated.	11/01/23
ID-BTO-030	Solidified Grinding Sludge, Etc. Disposition: Combined with ID-BTO-030T.	10/26/06
ID-BTO-030T	Solidified Grinding Sludge, Etc. Disposition: Treated and no longer generated.	11/01/23
ID-BTO-040T	Solid Binary Scrap Powder, Etc. Disposition: Treated and no longer generated.	11/01/23
ID-BWX-500T	Babcock and Wilcox Disposition: Treated and no longer generated.	11/01/23
ID-CFA-103	Liquid Laboratory Waste with Metals and Organics Disposition: Treated and no longer generated.	4/21/04
ID-CFA-107	ARA-IV Sump Sludge Disposition: Treated and no longer generated.	4/21/04
ID-CFA-108	BA and CD Calibration Sources Disposition: Treated and no longer generated.	10/26/04

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-CFA-121	Heavy Metal Liquid Laboratory Wastes Disposition: Treated and no longer generated.	4/21/04
ID-CFA-193	Experimental Breeder Reactor-I NaK Disposition: Treated at SCMS. No waste currently in storage (no backlog) and waste is not projected to be generated.	8/13/96
ID-CFA-256	Methanol Solution Disposition: Treated and no longer generated.	1/21/04
ID-CFA-257	Methylene Chloride Laboratory Waste Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	8/13/96
ID-CFA-259	Radioactive PCB Oil with TCLP Organics Disposition: Treated and no longer generated.	10/27/04
ID-CFA-260	Radioactive PCB Oil with Heavy Metals Disposition: Repackaged into ID-CFA-259. No waste currently in storage (no backlog) and waste is not projected to be generated.	8/13/96
ID-CFA-280	Borax D&D Noncompactible Lead Shielding Disposition: No future generation of this waste stream.	2/23/98
ID-CFA-285	Methylene Chloride Laboratory Debris Disposition: Incinerated at WERF. No waste is currently in storage (no backlog) and waste is not projected to be generated.	5/28/96
ID-CFA-298	Distillation Liquid With Pyridine Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	10/30/96
ID-CFA-532	Borax D&D Cadmium Fuel Rack Disposition: This waste stream was determined to be nonhazardous through TCLP testing.	2/12/96
ID-CFA-533	ARA-I D&D Noncompactible Lead Disposition: Treated and no longer generated.	1/21/04
ID-CFA-535	Sample Acidified for Sulfide and Cyanide Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	5/28/96
ID-CFA-551	HDEHP/Heptane Extractant Disposition: Treated and no longer generated.	1/21/04
ID-CFA-556	Aqueous Waste Subject to UHCS Disposition: Treated and no longer generated.	10/27/04
ID-CFA-661	Electrical Components with Lead Disposition: Treated and no longer generated.	10/27/04
ID-CFA-662	Scintillation Cocktails Disposition: Treated and no longer generated.	1/21/04
ID-CFA-664	EDTA and Lead Disposition: Treated and no longer generated.	10/27/04

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-CFA-667	Mixed Lead Disposition: Treated and no longer generated.	4/21/04
ID-CFA-676	Resin Column Media Disposition: Treated and no longer generated.	4/21/04
ID-CFA-677	Demineralizer Filter Disposition: Treated and no longer generated.	4/21/04
ID-CFA-688	ARA-I Soils with Lead Disposition: Treated and no longer generated.	1/21/04
ID-CFA-695	ARA-II Septic Tank Solidified Sludge Disposition: Treated and no longer generated.	4/21/04
ID-CFA-701	Paint Residue Contaminated with PCBs Disposition: Treated and no longer generated.	4/21/04
ID-CFA-702	ARA-1 D&D PPE and Piping/Drains Disposition: Treated and no longer generated.	4/21/04
ID-CFA-705	Vermiculite with Grease Disposition: Treated and no longer generated.	10/27/04
ID-CFA-732	Contaminated Groundwater Samples Disposition: Treatability study on 100% of waste. No future generation of this waste stream.	2/23/98
ID-CFA-734	Xylene, Aliquot 336 with Perchlorate Disposition: Treated and no longer generated.	1/21/04
ID-CPP-151T	Solidified Fuel Sludge Disposition: Renumbered ID-TEC-151T.	10/26/04
ID-CPP-156	Chem Cell Rip-Out Disposition: Renumbered ID-TEC-156.	10/26/04
ID-CPP-172	HEPA Filters Disposition: Renumbered ID-TEC-172.	10/26/04
ID-DTR-LLW	RWDP Treated Waste to be Disposed of as Low-Level Waste Disposition: Treated, disposed of, and no longer generated.	2/04/19
ID-DTR-MLLW	RWDP Treated Waste to be Disposed of as Mixed Low-Level Waste Disposition: Treated, disposed of, and no longer generated.	2/04/19
ID-INL-100	Repackaged Waste Disposition: Assigned remaining waste to waste stream ID-PBF-550. The waste has been repackaged into burn boxes. No future generation planned for this waste stream.	5/15/98
ID-INL-117	Contaminated Cadmium Sheeting Disposition: Treated and no longer generated.	4/21/04
ID-INL-142	Lead-Contaminated Debris Disposition: Waste moved to new waste stream identifier ID-INL-803.	1/19/05

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-INL-143	Radioactively Contaminated Lead Disposition: Waste moved to new waste stream identifier ID-INL-800 and ID-INL-801.	1/19/05
ID-INL-150	Laboratory Waste Disposition: Combined with ID-INL-150T.	10/26/06
ID-INL-150T	Laboratory Waste Disposition: Treated and no longer generated.	11/01/23
ID-INL-155	Scrap Disposition: Combined with ID-INL-155T.	10/26/06
ID-INL-155T	Scrap Disposition: Treated and no longer generated.	11/01/23
ID-INL-157T	Miscellaneous Sources Disposition: Treated and no longer generated.	11/01/23
ID-INL-187	Sig Sodium Disposition: Treated and no longer generated.	4/22/09
ID-INL-213	Mercury-Contaminated Debris and Asbestos Disposition: Waste moved to new waste stream identifier.	1/19/05
ID-INL-220	Activated Carbon LLMW Disposition: All backlog waste has been incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated since the PWTU will not be operated.	2/24/97
ID-INL-266	WERF Monitor Debris Disposition: Treated and no longer generated.	10/27/04
ID-INL-267	PWTU Spent Filters Disposition: Treated and no longer generated.	10/27/04
ID-INL-268	PWTU Spent Resins Disposition: All backlog waste has been incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated since the PWTU will not be operated.	2/24/97
ID-INL-270	Heavy Metal-Contaminated Solids Disposition: Treated and no longer generated.	10/27/04
ID-INL-289	Miscellaneous Laboratory Wastes Disposition: Combined with ID-INL-289T.	10/26/06
ID-INL-299	Sample Waste Disposition: Remaining waste was classified as TRU.	1/19/05
ID-INL-550	MLLW From WERF Operations Disposition: Waste moved to new waste stream identifier ID-INL-803.	1/19/05
ID-INL-687	Legacy Samples Disposition: Treated and no longer generated.	10/26/04
ID-INL-694	Returned Sampling Residue Disposition: Treated and no longer generated.	10/26/04

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-INL-700	PCB-Contaminated Debris and Residue Disposition: Treated and no longer generated.	10/26/04
ID-INL-710	MLLW Floor Stripping Materials Disposition: Treated and no longer generated.	10/27/04
ID-INL-724	Mixed Low-Level Liquids Disposition: Waste moved to new waste stream identifier ID-INL-803.	1/19/05
ID-INL-725	Listed Debris Disposition: Treated and no longer generated.	10/26/04
ID-INL-726	MLLW Oils Disposition: Treated and no longer generated.	10/27/04
ID-INL-800	Class B and C Waste Disposition: Treated and no longer generated.	7/29/15
ID-INL-801	Class A Waste Disposition: Treated and no longer generated.	7/29/15
ID-INL-802	INTEC Class A Waste Disposition: Treated and no longer generated.	7/29/15
ID-INL-803	Aerosol Waste Stream Disposition: Treated and no longer generated.	8/8/23
ID-INL-804	TSCA Waste Disposition: Treated and no longer generated.	8/8/23
ID-INL-805	INTEC Class B and C Waste Disposition: Waste moved to new waste stream identifier ID-INL-806.	7/29/15
ID-IRC-271	Bioprocessing MW Disposition: Treated and no longer generated.	1/21/04
ID-IRC-501	Cd and Pb-Contaminated Soil, Trace Rad Disposition: Treated and no longer generated.	4/21/04
ID-IRC-668	Bioassay Analysis Waste Disposition: Treated and no longer generated.	4/21/04
ID-MCO-500T	Monsanto Dayton Laboratory Waste Disposition: Treated and no longer generated.	11/01/23
ID-MDO-801T	Rags, Paper, Wood, Etc. Disposition: Treated and no longer generated.	11/01/23
ID-MDO-802T	Dry Box Gloves and O-Rings Disposition: Treated and no longer generated.	11/01/23
ID-MDO-803	Metal, Equipment, Pipes, Valves, Etc. Disposition: Combined with ID-MDO-803T.	10/26/06
ID-MDO-803T	Metal, Equipment, Pipes, Valves, Etc. Disposition: Treated and no longer generated.	11/01/23

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-MDO-805T	Asbestos Filters Disposition: Treated and no longer generated.	11/01/23
ID-MDO-810T	Glass, Flasks, Sample Vials, Etc. Disposition: Treated and no longer generated.	11/01/23
ID-MDO-811T	Evaporator and Dissolver Sludge Disposition: Treated and no longer generated.	11/01/23
ID-MDO-813T	Glass Filters and Fiberglass Disposition: Treated and no longer generated.	11/01/23
ID-MDO-814T	Contaminated Mercury or Graphite Crucible Disposition: Treated and no longer generated.	11/01/23
ID-MDO-815T	Classified Parts Disposition: Treated and no longer generated.	11/01/23
ID-MDO-824	Noncombustible Equipment Boxes Disposition: Combined with ID-MDO-824T.	10/26/06
ID-MDO-824T	Noncombustible Equipment Boxes Disposition: Treated and remaining volume combined with BN510.	10/26/06
ID-MDO-826	Combustible Equipment Boxes or Floor Sweep Disposition: Combined with ID-MDO-826T.	10/26/06
ID-MDO-826T	Combustible Equipment Boxes or Floor Sweep Disposition: Treated and no longer generated.	11/01/23
ID-MDO-827T	Combustible Equipment Drums Disposition: Treated and no longer generated.	11/01/23
ID-MDO-834	High-Level Acid Disposition: Combined with ID-MDO-834T.	10/26/06
ID-MDO-834T	High-Level Acid Disposition: Treated and no longer generated.	11/01/23
ID-MDO-835	High-Level Caustic Disposition: Combined with ID-MDO-835T.	10/26/06
ID-MDO-835T	High-Level Caustic Disposition: Treated and no longer generated.	11/01/23
ID-MDO-836	High-Level Sludge/Cement Disposition: Combined with ID-MDO-836T.	10/26/06
ID-MDO-836T	High-Level Sludge/Cement Disposition: Treated and no longer generated.	11/01/23
ID-MDO-838	Less than 10 nCi/g, Noncombustible Disposition: Treated and no longer generated.	7/27/16
ID-MDO-842	Contaminated Soil Disposition: Combined with ID-MDO-842T.	10/26/06
ID-MDO-842T	Contaminated Soil Disposition: Treated and remaining volume combined with BN510.	10/26/06

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-MDO-847	LSA Less than 100 nCi/g Combustible Disposition: Combined with ID-MDO-847T.	10/26/06
ID-MDO-847T	LSA Less than 100 nCi/g Combustible Disposition: Waste treated and no longer generated.	11/01/23
ID-MDO-848	LSA Less than 100 nCi/g Disposition: Combined with ID-MDO-848T.	10/26/06
ID-MDO-848T	LSA Less than 100 nCi/g Noncombustible Disposition: Waste treated and no longer generated.	11/01/23
ID-MFC-100	D&D Sodium/NaK Disposition: Waste treated and no longer generated.	9/30/12
ID-MXA-142	Mexican Americium Disposition: Treated and no longer generated.	11/01/23
ID-NRF-217	Heavy Metal Radioactive Oil Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	5/28/96
ID-OFS-111	Research-Generated Waste Noncompactible Disposition: Combined with ID-OFS-111T.	10/26/06
ID-OFS-111T	Research-Generated Waste Noncompactible Disposition: Treated and no longer generated.	11/01/23
ID-OFS-121	D&D Waste Disposition: Combined with ID-OFS-111T.	10/26/06
ID-OFS-121T	D&D Waste Disposition: Treated and no longer generated.	11/01/23
ID-PBF-147	Solidified WERF Ash (Failed TCLP) Disposition: Treated and no longer generated.	10/26/04
ID-PBF-153	TAN/IET Hot Waste Sludge Disposition: Treated and no longer generated.	1/21/04
ID-PBF-212	Pb and Cd-Contaminated Soil Disposition: Treated and no longer generated.	10/27/04
ID-PBF-261	WERF Baghouse Bags (Teflon) Disposition: Treated and no longer generated.	4/21/04
ID-PBF-263	WERF HEPA Filters and Prefilters Disposition: Treated and no longer generated.	4/21/04
ID-PBF-264	WERF Baghouse Bags (Blue Max) Disposition: Treated and no longer generated.	4/21/04
ID-PBF-272	Uranium Spikes and Lead Disposition: Treated and no longer generated.	10/27/04
ID-PBF-274	WERF Fly Ash Disposition: Treated and no longer generated.	10/27/04
ID-PBF-275	WERF Bottom Ash Disposition: Treated and no longer generated.	10/27/04

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-PBF-277	WERF Sizing Baghouse Dust Disposition: Treated and no longer generated.	10/27/04
ID-PBF-292	Freon System Waste – Liquid Disposition: No future generation of this waste stream. All inventory has been treated via incineration.	8/17/98
ID-PBF-293	Freon System Waste – Solids Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	8/13/96
ID-PBF-297	Treatability Study Residues Disposition: Treated and no longer generated.	10/26/04
ID-PBF-545	CERCLA Soil Contaminated with Chromium Disposition: Treated and no longer generated.	10/27/04
ID-PBF-549	Aqueous Liquid with Metals and PCBs Disposition: Treated and no longer generated.	1/21/04
ID-PBF-550	MLLW from WERF Operations Disposition: Treated and no longer generated.	7/27/16
ID-PBF-558	WERF Mercury in Oil Disposition: Treatability study on 100% of waste. No future generation of this waste stream.	2/23/98
ID-PBF-678	MWSF Piping and Valves Disposition: Treated and no longer generated.	10/27/04
ID-PBF-681	Debris from Heat Exchanger Change-Out Disposition: Treated and no longer generated.	4/21/04
ID-PBF-684	Rinsate Water Disposition: Treated and no longer generated.	4/21/04
ID-PBF-686	Mercury-Contaminated Rags Disposition: Treated and no longer generated.	4/21/04
ID-PBF-714	WERF Incinerator Fly Ash Disposition: Treated and no longer generated.	10/27/04
ID-PBF-715	WERF Incinerator Bottom Ash Disposition: Treated and no longer generated.	10/27/04
ID-RFO-000	Not Recorded – Unknown Disposition: Combined with ID-RFO-000T.	10/26/06
ID-RFO-000T	Not Recorded – Unknown Disposition: Treated and no longer generated.	11/01/23
ID-RFO-001	First Stage Sludge Disposition: Combined with ID-RFO-001T.	10/26/06
ID-RFO-001T	First Stage Sludge Disposition: Treated and no longer generated.	11/01/23
ID-RFO-002	Second Stage Sludge Disposition: Combined with ID-RFO-002T.	10/26/06

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-RFO-002T	Second Stage Sludge Disposition: Treated and no longer generated.	11/01/23
ID-RFO-003	Organic Setups, Oil Solids Disposition: Combined with ID-RFO-003T.	10/26/06
ID-RFO-003T	Organic Setups, Oil Solids Disposition: Treated and no longer generated.	11/01/23
ID-RFO-004	Special Setups (Cement) Disposition: Combined with ID-RFO-004T.	10/26/06
ID-RFO-004T	Special Setups (Cement) Disposition: Treated and no longer generated.	11/01/23
ID-RFO-005	Evaporator Salts Disposition: Combined with ID-RFO-005T.	10/26/06
ID-RFO-005T	Evaporator Salts Disposition: Treated and no longer generated.	11/01/23
ID-RFO-007	Building 374 Dry Sludge Disposition: Combined with ID-RFO-007T.	10/26/06
ID-RFO-007T	Building 374 Dry Sludge Disposition: Treated and no longer generated.	11/01/23
ID-RFO-090	Dirt Disposition: Treated and no longer generated.	11/01/23
ID-RFO-112	Solidified Organics Disposition: Combined with ID-RFO-112T.	10/26/06
ID-RFO-112T	Solidified Organics Disposition: Treated and no longer generated.	11/01/23
ID-RFO-113	Solid Laboratory Waste Disposition: Combined with ID-RFO-113T.	10/26/06
ID-RFO-113T	Solid Laboratory Waste Disposition: Treated and no longer generated.	11/01/23
ID-RFO-114	Solidified Process Solids Disposition: Combined with ID-RFO-114T.	10/26/06
ID-RFO-114T	Solidified Process Solids Disposition: Treated and no longer generated.	11/01/23
ID-RFO-116	Combustible Waste Disposition: Combined with ID-RFO-116T.	10/26/06
ID-RFO-116T	Combustible Waste Disposition: Treated and no longer generated.	11/01/23
ID-RFO-117	Metal Waste Disposition: Combined with ID-RFO-117T.	10/26/06
ID-RFO-117T	Metal Waste Disposition: Treated and no longer generated.	11/01/23

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-RFO-119	HEPA Filter Waste Disposition: Combined with ID-RFO-119T.	10/26/06
ID-RFO-119T	HEPA Filter Waste Disposition: Treated and no longer generated.	11/01/23
ID-RFO-122	Inorganic Solid Waste Disposition: Combined with ID-RFO-122T.	10/26/06
ID-RFO-122T	Inorganic Solid Waste Disposition: Treated and no longer generated.	11/01/23
ID-RFO-123	Leaded Rubber Disposition: Combined with ID-RFO-123T.	10/26/06
ID-RFO-123T	Leaded Rubber Disposition: Treated and no longer generated.	11/01/23
ID-RFO-241	Americium Process Residue Disposition: Combined with ID-RFO-241T.	10/26/06
ID-RFO-241T	Americium Process Residue Disposition: Treated and no longer generated.	11/01/23
ID-RFO-290	Filter Sludge Disposition: Treated and no longer generated.	11/01/23
ID-RFO-292	Cemented Sludge Disposition: Combined with ID-RFO-292T.	10/26/06
ID-RFO-292T	Cemented Sludge Disposition: Treated and no longer generated.	11/01/23
ID-RFO-300	Graphite Molds Disposition: Characterization data showed this waste stream was nonhazardous.	4/27/99
ID-RFO-300T	Graphite Molds Disposition: Characterization data showed this waste stream was nonhazardous.	4/27/99
ID-RFO-301	Graphite Cores Disposition: Combined with ID-RFO-301T.	10/26/06
ID-RFO-301T	Graphite Cores Disposition: Treated and no longer generated.	11/01/23
ID-RFO-302	Benelex and Plexiglas Disposition: Combined with ID-RFO-302T.	10/26/06
ID-RFO-320T	Heavy Nonspecial Source Metal Disposition: Treated and no longer generated.	11/01/23
ID-RFO-320	Heavy Nonspecial Source Metal Disposition: Combined with ID-RFO-320T.	10/26/06
ID-RFO-320T	Heavy Nonspecial Source Metal Disposition: Treated and no longer generated.	11/01/23

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-RFO-328	Fulflo Incinerator Filters Disposition: Combined with ID-RFO-328T.	10/26/06
ID-RFO-328T	Fulflo Incinerator Filters Disposition: Treated and no longer generated.	11/01/23
ID-RFO-330	Dry Paper and Rags Disposition: Combined with ID-RFO-330T.	10/26/06
ID-RFO-330T	Dry Paper and Rags Disposition: Treated and no longer generated.	11/01/23
ID-RFO-335	Absolute 8 X 8 Filters Disposition: Combined with ID-RFO-335T.	10/26/06
ID-RFO-335T	Absolute 8 X 8 Filters Disposition: Treated and no longer generated.	11/01/23
ID-RFO-336	Moist Paper and Rags Disposition: Combined with ID-RFO-336T.	10/26/06
ID-RFO-336T	Moist Paper and Rags Disposition: Treated and no longer generated.	11/01/23
ID-RFO-337	Plastics, Teflon, Wash, PVC Disposition: Combined with ID-RFO-337T.	10/26/06
ID-RFO-337T	Plastics, Teflon, Wash, PVC Disposition: Treated and no longer generated.	11/01/23
ID-RFO-338	Insulation and Chemical Warfare Service Disposition: Combined with ID-RFO-338T.	10/26/06
ID-RFO-338T	Insulation and Chemical Warfare Service Disposition: Treated and no longer generated.	11/01/23
ID-RFO-339	Leaded Rubber Gloves and Aprons Disposition: Combined with ID-RFO-339T.	10/26/06
ID-RFO-339T	Leaded Rubber Gloves and Aprons Disposition: Treated and no longer generated.	11/01/23
ID-RFO-360	Insulation Disposition: Combined with ID-RFO-360T.	10/26/06
ID-RFO-360T	Insulation Disposition: Treated and no longer generated.	11/01/23
ID-RFO-371	Firebrick Disposition: Combined with ID-RFO-371T.	10/26/06
ID-RFO-371T	Firebrick Disposition: Treated and no longer generated.	11/01/23
ID-RFO-374	Blacktop, Concrete, Dirt, and Sand Disposition: Combined with ID-RFO-374T.	10/26/06
ID-RFO-374T	Blacktop, Concrete, Dirt, and Sand Disposition: Treated and no longer generated.	11/01/23

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-RFO-375	Oil-Dri Residue from Incinerator Disposition: Combined with ID-RFO-375T.	10/26/06
ID-RFO-375T	Oil-Dri Residue from Incinerator Disposition: Treated and no longer generated.	11/01/23
ID-RFO-376	Cemented Insulation Filter Media Disposition: Combined with ID-RFO-376T.	10/26/06
ID-RFO-376T	Cemented Insulation Filter Media Disposition: Treated and no longer generated.	11/01/23
ID-RFO-409T	Molten Salts – 30% Unpulverized Disposition: Treated and no longer generated.	11/01/23
ID-RFO-414T	Direct Oxide Reduction Salt Disposition: Treated and no longer generated.	11/01/23
ID-RFO-430	Unleached Ion Column Resin Disposition: Combined with ID-RFO-430T.	10/26/06
ID-RFO-430T	Unleached Ion Column Resin Disposition: Treated and no longer generated.	11/01/23
ID-RFO-431	Leached Resin Disposition: Combined with ID-RFO-431T.	10/26/06
ID-RFO-431T	Leached Resin Disposition: Treated and no longer generated.	11/01/23
ID-RFO-432	Leached and Cemented Resin Disposition: Combined with ID-RFO-432T.	10/26/06
ID-RFO-432T	Leached and Cemented Resin Disposition: Treated and no longer generated.	11/01/23
ID-RFO-440	Glass Disposition: Combined with ID-RFO-440T.	10/26/06
ID-RFO-440T	Glass Disposition: Treated and no longer generated.	11/01/23
ID-RFO-441	Unleached Rashig Rings Disposition: Combined with ID-RFO-441T.	10/26/06
ID-RFO-441T	Unleached Rashig Rings Disposition: Treated and no longer generated.	11/01/23
ID-RFO-442	Leached Rashig Rings Disposition: Combined with ID-RFO-442T.	10/26/06
ID-RFO-442T	Leached Rashig Rings Disposition: Treated and no longer generated.	11/01/23
ID-RFO-460T	Washables, Rubber, Plastics Disposition: Treated and no longer generated.	11/01/23
ID-RFO-463	Leaded Rubber Gloves and Aprons Disposition: Combined with ID-RFO-463T.	10/26/06

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-RFO-463T	Leaded Rubber Gloves and Aprons Disposition: Treated and no longer generated.	11/01/23
ID-RFO-464	Benelex and Plexiglass Disposition: Combined with ID-RFO-464T.	10/26/06
ID-RFO-464T	Benelex and Plexiglass Disposition: Treated and no longer generated.	11/01/23
ID-RFO-480	Nonspecial Source Metal Disposition: Combined with ID-RFO-480T.	10/26/06
ID-RFO-480T	Nonspecial Source Metal Disposition: Treated and no longer generated.	11/01/23
ID-RFO-481	Leached Nonspecial Source Metal Disposition: Combined with ID-RFO-481T.	10/26/06
ID-RFO-481T	Leached Nonspecial Source Metal Disposition: Treated and no longer generated.	11/01/23
ID-RFO-490	Chemical Warfare Service Filters Disposition: Combined with ID-RFO-490T.	10/26/06
ID-RFO-490T	Chemical Warfare Service Filters Disposition: Treated and no longer generated.	11/01/23
ID-RFO-700T	Organic and Sludge Immobilization System Disposition: Treated and no longer generated.	11/01/23
ID-RFO-900	Low Specific Activity Plastics, Paper, Etc. Disposition: Combined with ID-RFO-900T.	10/26/06
ID-RFO-900T	Low Specific Activity Plastics, Paper, Etc. Disposition: Treated and no longer generated.	11/01/23
ID-RFO-950	Low Specific Activity Metal, Glass, Etc. Disposition: Combined with ID-RFO-950T.	10/26/06
ID-RFO-950T	Low Specific Activity Metal, Glass, Etc. Disposition: Treated and no longer generated.	11/01/23
ID-RFO-970	Wood Disposition: Combined with ID-RFO-970T.	10/26/06
ID-RFO-970T	Wood Disposition: Treated and no longer generated.	11/01/23
ID-RFO-976	Building 776 Process Sludge Disposition: Combined with ID-RFO-976T.	10/26/06
ID-RFO-976T	Building 776 Process Sludge Disposition: Treated and no longer generated.	11/01/23
ID-RFO-978	Laundry Sludge Disposition: Combined with ID-RFO-978T.	10/26/06
ID-RFO-978T	Laundry Sludge Disposition: Treated and remaining volume combined with BN510.	10/26/06

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-RFO-980T	Filter Sludge Disposition: Treated and no longer generated.	11/01/23
ID-RFO-990T	Dirt Disposition: Treated and no longer generated.	11/01/23
ID-RFO-9999	Pre-73 Drums Disposition: Combined with ID-RFO-9999T.	10/26/06
ID-RFO-9999T	Pre-73 Drums Disposition: Treated and no longer generated.	11/01/23
ID-RWDP-RHa	RH-MTRU Waste to be Processed by RWDP Disposition: Treated and no longer generated.	7/27/16
ID-RWM-221	Ignitable Liquid Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	5/28/96
ID-RWM-222	Carburetor Grease Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	5/28/96
ID-RWM-255	Mercury-Contaminated Soil Disposition: Treated and no longer generated.	4/21/04
ID-RWM-508	Equipment Pit Decon Waste Disposition: Treated and no longer generated.	4/21/04
ID-RWM-685	HEPA Filters from Drum Vent Facility Disposition: Treated and no longer generated.	4/21/04
ID-RWM-692	Nitrate Salts Disposition: Treated and no longer generated.	4/21/04
ID-SDS-TRUa	TRU Waste from SDS Treatment Disposition: Consolidated into other waste stream.	5/13/24
ID-SMC-133	Miscellaneous Laboratory Wastes Disposition: Treated and no longer generated.	4/21/04
ID-SMC-149A	Spent Gm 141 SAPC Solvent Disposition: No future generation of this waste stream. All inventory has been treated via incineration.	8/17/98
ID-SMC-149B	Spent Stoddard Solvent Disposition: No future generation of this waste stream. All inventory has been treated via incineration.	8/17/98
ID-SMC-301	TCA Still Bottoms Disposition: Treated and no longer generated.	1/21/04
ID-SMC-303	Miscellaneous Paint Wastes Disposition: Treated and no longer generated.	1/21/04
ID-SMC-304	Calcined Uranyl Nitrate Disposition: Waste is currently treated by a generator treatment plan. No waste is currently in storage (no backlog) and is being treated as it is generated.	2/12/96

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-SMC-305	Heavy Metal-Contaminated Waste Oils Disposition: Treated and no longer generated.	4/21/04
ID-SMC-400	Rad-Contaminated Lead Disposition: Treated and no longer generated.	1/21/04
ID-SMC-411	MW Debris Disposition: Treated and no longer generated.	10/27/04
ID-SMC-412	Ethylene Glycol Hydraulic Fluid Disposition: No future generation of this waste stream. All inventory has been treated via incineration.	8/17/98
ID-SMC-507	Eutectic Salt with Lead (Pb) Disposition: Treated and no longer generated.	4/21/04
ID-SMC-528	Cadmium-Contaminated Mop Water Disposition: Treated and no longer generated.	1/21/04
ID-SMC-529	Acid Concrete Etch Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	8/13/96
ID-SMC-537	Mercury-Contaminated Materials Disposition: Treated and no longer generated.	10/27/04
ID-SMC-691	Nitric Acid Disposition: Treated and no longer generated.	1/21/04
ID-SMC-696	Legacy TCE And Corrosive Waste Disposition: Treated and no longer generated.	1/21/04
ID-TAN-124	HTRE-3 Mercury-Contaminated Concrete Disposition: Treated and no longer generated.	10/27/04
ID-TAN-126	HTRE-3 Spill Cleanup Material Disposition: Treated and no longer generated.	10/26/04
ID-TAN-161	TAN TCLP Sludge (TCE, PCE) Disposition: Treated and no longer generated.	10/26/04
ID-TAN-162	Tan Decon Solvent Waste Disposition: No future generation of this waste stream. All inventory has been treated.	10/23/13
ID-TAN-163	TAN Decon Heavy Metal Solids and Debris Disposition: No future generation of this waste stream. All inventory has been treated.	10/23/13
ID-TAN-170	IET Liquid Waste Disposition: Treated and no longer generated.	4/21/04
ID-TAN-188	Turco Decon Solution (Unused) Disposition: Treated and no longer generated.	1/21/04
ID-TAN-200T	Americium Sources Disposition: Treated and no longer generated.	7/27/16

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-TAN-209	Turco Decon (Oxidizer) Disposition: Treated and no longer generated.	10/27/04
ID-TAN-254	HTRE-III Treatment Sludge Disposition: Treated and no longer generated.	4/21/04
ID-TAN-276	Water with Trichloroethylene Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	8/13/96
ID-TAN-413	Lead-Contaminated Scrap Metal Disposition: Treated and no longer generated.	4/21/04
ID-TAN-502	ISV HEPA Filters Disposition: Treated and no longer generated.	4/21/04
ID-TAN-531	Lead Shielding Loft Mobile Test Disposition: Treated and no longer generated.	10/27/04
ID-TAN-534	TAN-616 Lead Shielding (Plating) Disposition: Treated and no longer generated.	1/21/04
ID-TAN-547	Radioactive Cadmium Sources Disposition: Treated and no longer generated.	10/27/04
ID-TAN-548	Macroencapsulated Lead Swarf Disposition: Treated and no longer generated.	10/27/04
ID-TAN-557	TAN-607 Floor Sweepings and Vat Residue Disposition: Treated and no longer generated.	4/21/04
ID-TAN-559	GWTF and PWTU Waste Disposition: Treated and no longer generated.	10/26/04
ID-TAN-666	PCB-Contaminated Debris Disposition: Waste moved to new waste stream identifier ID-INL-804.	1/19/05
ID-TAN-679	TAN-648 RPSSA Rainwater Disposition: Treated and no longer generated.	4/21/04
ID-TAN-709	Drum Evaporator Solids Disposition: Treated and no longer generated.	10/27/04
ID-TAN-718	Sampling Equipment and Residue Disposition: Treated and no longer generated.	10/27/04
ID-TAN-721	Silver Zeolite Disposition: Treated and no longer generated.	10/27/04
ID-TAN-723	Paint Chips with Lead/PCBs Disposition: Treated and no longer generated.	10/27/04
ID-TAN-727	TAN Waste From Clean-Up Activities Disposition: Waste moved to new waste stream identifier ID-INL-800.	1/19/05
ID-TEC-111	Cadmium-Contaminated Solids Disposition: Treated and no longer generated.	10/27/04

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-TEC-131	Mercury-Contaminated Solids Disposition: Waste moved to new waste stream identifier ID-INL-800.	1/19/05
ID-TEC-151T	Solidified Fuel Sludge Disposition: Treated and no longer generated.	7/27/16
ID-TEC-154	Radioactive-Contaminated Lead Disposition: Treated and no longer generated.	10/26/04
ID-TEC-156	Chem Cell Rip-Out Disposition: Treated and remaining volume combined with BN510.	10/26/06
ID-TEC-160	PCB-Contaminated Waste Disposition: Treated and no longer generated.	10/26/04
ID-TEC-172	HEPA Filters Disposition: Treated and no longer generated.	1/27/10
ID-TEC-201	F002 Contaminated Solids Disposition: Treated and no longer generated.	1/21/04
ID-TEC-217	Scrub Pump Radioactive Oil Disposition: Treated and no longer generated.	4/21/04
ID-TEC-300	"A" Cadmium Racks Disposition: Treated and no longer generated.	1/21/04
ID-TEC-301	Liquid Acid/Mercury MW Disposition: Treated and no longer generated.	4/21/04
ID-TEC-302	Liquid High Chloride Corrosive MW Disposition: Treated and no longer generated.	10/26/04
ID-TEC-303	Solid, Silver-Contaminated LLMW Disposition: No future generation of this waste stream. All inventory treated via a treatability study.	8/17/98
ID-TEC-304	Contaminated Debris Disposition: Waste moved to new waste stream identifier ID-INL-800, ID-INL-802, ID-INL-803, ID-INL-804, ID-INL-805.	1/19/05
ID-TEC-305	LLW APS HEPA Filters Disposition: Treated and no longer generated.	10/28/15
ID-TEC-306	D006-D011 Contaminated Solids Disposition: Treated and no longer generated.	10/26/04
ID-TEC-307	Contaminated Laboratory Residue Disposition: Waste moved to new waste stream identifier ID-INL-800.	1/19/05
ID-TEC-308	LWT&D HEPA Filters Disposition: Treated and no longer generated.	7/27/16
ID-TEC-504	Non-Debris Solids Disposition: Waste moved to new waste stream identifier ID-INL-00, ID-INL-802, ID-INL-805.	1/19/05

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-TEC-509	Used Hexone Disposition: This waste was sent to Diversified Scientific Services, Inc. and burned for energy recovery. There is no waste currently in storage associated with this waste stream or that is projected to be generated in the next 5 years.	2/12/96
ID-TEC-510	Debris Treatment Residue – Listed Disposition: Treated and no longer generated.	1/21/04
ID-TEC-511	Sludge – Listed Disposition: Treated and no longer generated.	1/21/04
ID-TEC-512	Sludge – Characteristic Disposition: Waste stream will not be generated.	2/23/98
ID-TEC-527	Contaminated Soil – Listed Disposition: Treated and no longer generated.	10/27/04
ID-TEC-530	D006-D011 Contaminated Non-Debris Disposition: Recharacterized as TRU waste.	1/19/05
ID-TEC-552	Radioactive Lead with Listed Codes Disposition: Treated and no longer generated.	10/27/04
ID-TEC-670	Changed to read ID-TEC-670Ta to reflect newly generated waste.	1/4/15
ID-TEC-698	Soil, Wood, Concrete, PPE Disposition: Waste moved to new waste stream identifier ID-INL-800, ID-INL-802, ID-INL-805.	1/19/05
ID-TEC-699T	Mixed TRU Waste from NWCF and CSSF Disposition: Treated and no longer generated.	11/01/23
ID-TEC-708	NWCF HEPA Filter Sample Residues Disposition: Treated and no longer generated.	4/21/04
ID-TEC-713	Turco Descaler at NWCF Disposition: Treated and no longer generated.	10/27/04
ID-TEC-717	Sample Residue from Ceramic Sampling Disposition: Treated and no longer generated.	10/20/04
ID-TEC-720	FDP HEPA Filters Disposition: Treated and no longer generated.	10/28/15
ID-TEC-721	VOG HEPA Filters Disposition: Treated and no longer generated.	10/28/15
ID-TRA-127	TRA Scintillation Cocktails (Alpha less than 10) Disposition: Treated and no longer generated.	1/21/04
ID-TRA-128	Laboratory Equipment and Debris Disposition: Treated and no longer generated.	10/27/04
ID-TRA-155	TRA Laboratory Scintillation Cocktails Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	5/28/96

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-TRA-157	TRA Warm Waste Pond Samples Disposition: Treated and no longer generated.	4/21/04
ID-TRA-210	Freon Decon Waste Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	10/30/96
ID-TRA-214	1,1,2-Trichloro-1,2,2-Trifluoroethane Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	5/28/96
ID-TRA-251	Electroplating Solution Disposition: Consumed in a treatability study. No waste currently in storage (no backlog) and waste is not projected to be generated.	2/24/97
ID-TRA-252	Freon Sludge Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	10/30/96
ID-TRA-253	Cadmium Fuel Grid Disposition: Treated and no longer generated.	4/21/04
ID-TRA-269	Electronic Board and Miscellaneous Machinery Disposition: Treated and no longer generated.	10/27/04
ID-TRA-281	ETR Noncompactible Lead Disposition: Treated and no longer generated.	1/21/04
ID-TRA-282	MTR D&D Noncompactible Lead Disposition: Treated and no longer generated.	1/21/04
ID-TRA-291T	TRU Heavy Metal Sludge Disposition: Treated and no longer generated.	10/27/11
ID-TRA-294	Solvent-Contaminated Rags Disposition: Waste moved to new waste stream identifier ID-INL-803.	1/19/05
ID-TRA-525	Solvent Extractants Disposition: Treated and no longer generated.	1/21/04
ID-TRA-526	Radioactive Metals (Cr, Cd, Pb, Ba, Etc.) Disposition: Waste stream will not be generated.	10/23/13
ID-TRA-536	Elemental Mercury-Contaminated with Rad Material Disposition: Treated by generator treatment plan. No waste currently in storage (no backlog) and the waste is not projected to be generated.	5/28/96
ID-TRA-667	PCB Acid Digestion Residue Disposition: Treated and no longer generated.	10/27/04
ID-TRA-693	Lead-Contaminated Paint Chips Disposition: Treated and no longer generated.	10/27/04
ID-TRA-704	ARMF and CFRMF Components and Shielding Disposition: Treated and no longer generated.	4/21/04

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-TRA-707	Nitric Acid from TMI Fuel Fines Disposition: Treated and no longer generated.	10/31/10
ID -TRU-RHMa	RH-TRU MW Generated From RWDP Treatment Process Disposition: Consolidated into other waste stream.	5/13/24
ID-TRU-RHNH	RH-TRU, Non-Hazardous Waste Generated from RWDP Treatment Disposition: Waste was moved to ID-WIPP-RH.	11/01/23
ID-TRU-RHNHa	RH-TRU Non-Hazardous Waste Generated from RWDP Treatment Process Disposition: Consolidated into other waste stream.	5/13/24
ID-VCO-100T	VCO-Generated TRU and RH-TRU Waste Disposition: Treated and shipped offsite.	10/27/08
KA-W001	Miscellaneous Laboratory Chemicals without Metals Disposition: Waste will not be received at INL for treatment.	10/31/01
KA-W002	Cutting Oils and Liquids Disposition: Alternative treatment technology.	1/24/01
KA-W003	Trichloroethylene Disposition: Treated and no future generation of this waste stream.	10/29/97
KA-W006	Freon 113 on Rags Disposition: Treated with no future generation of this waste stream.	10/29/97
KA-W007	Oils Disposition: Alternative treatment technology.	1/24/01
KA-W009	Organic Debris Disposition: Alternative treatment technology.	1/24/01
KA-W011	Elemental Lead Disposition: Waste will not be received at INL for treatment.	10/31/01
KA-W013	Organic Debris without Metals Disposition: Alternative treatment technology.	1/24/01
KA-W014	Organic Sludge and Particulates Disposition: Alternative treatment technology.	1/24/01
KA-W015	Soils Disposition: Waste will not be received at INL for treatment.	10/31/01
KA-W018	Mercury-Contaminated Organics Disposition: Alternative treatment technology.	1/24/01
KA-W019	Mercury-Contaminated Inorganics Disposition: Waste will not be received at INL for treatment.	10/31/01
KA-W020	Elemental Mercury Disposition: Waste will not be received at INL for treatment.	10/31/01
KA-W021	PCB-Contaminated Waste Disposition: Waste will not be received at INL for treatment.	10/31/01
KA-W022	PCB-Contaminated Waste (Nonincinerable) Disposition: Waste will not be received at INL for treatment.	10/31/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
KEBASIN01	Hanford Offsite Waste Disposition: Treated and shipped offsite.	6/16/08
KEBASIN0T.001	Hanford Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
KK-W003	Oils Disposition: Alternative treatment technology.	1/24/01
KK-W004	Miscellaneous Laboratory Chemicals without Metals Disposition: Alternative treatment technology.	1/24/01
KK-W005	Organic Debris Containing Heavy Metals Disposition: Alternative treatment technology.	1/24/01
KK-W008	Organic Sludges/Particulates Disposition: Alternative treatment technology.	1/24/01
KK-W009	Organic Debris without Metals Disposition: Alternative treatment technology.	1/24/01
KK-W010	Lead Bricks, Sheets, or Wool Disposition: Waste will not be received at INL for treatment.	10/31/01
KK-W011	Cutting Oils and Liquids Disposition: Alternative treatment technology.	1/24/01
KK-W013	Soils Disposition: Waste will not be received at INL for treatment.	10/31/01
KK-W014	Mercury-Contaminated Organics Disposition: Alternative treatment technology.	1/24/01
KK-W015	Mercury-Contaminated Inorganics Disposition: Waste will not be received at INL for treatment.	10/31/01
KK-W016	Elemental Mercury Disposition: Waste will not be received at INL for treatment.	10/31/01
KK-W017	PCB-Contaminated Waste Disposition: Waste will not be received at INL for treatment.	10/31/01
KK-W018	PCB-Contaminated Waste (Nonincinerable) Disposition: Waste will not be received at INL for treatment.	10/31/01
KW-W001	Oils Disposition: Waste is not expected to be generated. This waste will not be received at INL.	5/14/97
KW-W003	Organic Debris Disposition: Alternative treatment technology.	1/24/01
KW-W006	Organic Sludges/Particulates Disposition: Alternative treatment technology.	1/24/01
KW-W008	Miscellaneous Laboratory Chemicals Disposition: Waste stream deleted per generator update.	10/27/99
KW-W009	Soils Disposition: Waste stream deleted per generator update.	10/27/99

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
KW-W010	Mercury-Contaminated Organics Disposition: Waste stream deleted per generator update.	10/27/99
KW-W011	Mercury-Contaminated Inorganics Disposition: Waste stream deleted per generator update.	10/27/99
KW-W012	Elemental Mercury Disposition: KAPL – Windsor no longer expects to generate this waste. This waste will not be received at INL.	5/28/96
KW-W014	PCB-Contaminated Waste Disposition: Waste streams treated and disposed of. Waste will not be generated again.	10/19/05
LA-CIN01.001	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	8/31/10
LA-CIN02.001	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	5/31/08
LA-MHD01.001	Heterogeneous Debris Disposition: Treated and shipped offsite.	11/01/14
LA-MHD03.001	Heterogeneous Debris Disposition: Treated and shipped offsite.	11/01/14
LA-MHD04.001	Heterogeneous Debris Disposition: Treated and shipped offsite.	11/01/14
LA-MHD09.001	Heterogeneous Debris Disposition: Treated and shipped offsite.	11/01/14
LA-MIN02-V.001	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	9/7/13
LA-MIN03 (Lot 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	7/27/11
LA-MIN03.001	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	7/27/11
LA-MIN04 (Lot 1, Set 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	4/20/12
LA-MIN04 (Lot 1, Set 2)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	10/18/12
LA-MIN04.001 (Lot 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	7/27/11
LANL CIN03 (Lot 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
LANL MIN03 (Lot 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	7/27/11
LANL MIN04 (Lot 1 Set 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	10/18/12

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LANL MIN04 (Lot 1 Set 2)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
LANL MN02-V.001	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	9/7/13
LANL MSGS03 (Lot 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
LANL MSGS04 (Lot 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	7/5/13
LANL MSGS04.001 (Lot 1)	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	7/5/13
LANL Soils	Los Alamos National Laboratory (LANL) Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
LANL-ER-1	TA-35 Tank D&D Waste Disposition: Alternative treatment technology.	1/24/01
LA-W901	IPA Wastes Disposition: Waste stream treated and residuals sent to Envirocare.	3/4/97
LA-W902	Scintillation Vials Disposition: Waste stream treated and residuals sent to Envirocare.	3/4/97
LA-W903	Lead Blankets Disposition: Was sent to Envirocare for treatment and disposal. Waste not received at INL. April quarterly meeting.	5/14/97
LA-W904	Soil with Heavy Metals Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W905	ER Soils Disposition: Was sent to Envirocare for treatment and disposal. Waste not received at INL. April quarterly meeting.	5/14/97
LA-W906	Aqueous Organic Wastes Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W907	Halogenated Organic Liquids Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W908	Nonhalogenated Organic Liquids Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W909	Bulk Oils Disposition: Alternative treatment technology.	1/24/01
LA-W910	PCB Wastes with RCRA Components Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W911	Organic-Contaminated Combustible Solids Disposition: Alternative treatment technology.	1/24/01
LA-W912	Combustible Debris Disposition: Alternative treatment technology.	1/24/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LA-W913	Aqueous Wastes with Heavy Metals Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W914	Corrosive Solutions Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W915	Aqueous Cyanides, Nitrates, Chromates Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W916	Water-Reactive Wastes Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W919	Organic-Contaminated Noncombustible Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W920	Elemental Mercury Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W921	Activated or Inseparable Lead Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W922	Noncombustible Debris Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W923	Inorganic Solid Oxidizers Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W925	Mercury Wastes – TBD Disposition: Waste will not be received at INL for treatment.	10/31/01
LA-W929	Nonradioactive and Suspect Waste Items Disposition: Alternative treatment technology.	1/24/01
LA-W930	Surface-Contaminated Lead Disposition: Will be sent to Envirocare under the MW Focus Area Cooperative Agreement. This waste will not be received at INL.	10/30/96
LA-W931	Lead Requiring Sorting Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-CC-116	Organic Solids Disposition: Alternative treatment technology.	1/24/01
LB-CC-118	Laboratory-Packed Chemicals Disposition: Alternative treatment technology.	1/24/01
LB-CC-120	Pump Oil Disposition: Alternative treatment technology.	1/24/01
LB-CC-124	Contaminated Debris Disposition: Alternative treatment technology.	1/24/01
LB-CC-125	Organic Liquids Disposition: Alternative treatment technology.	1/24/01
LB-CC-126	Waste Containing Oil Disposition: Alternative treatment technology.	1/24/01
LBNL WASTE (S5400)	Lawrence Berkeley National Laboratory Offsite Waste Disposition: Treated and shipped offsite.	10/20/11

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LBNL-CC-114	Cyanide Solution Disposition: Alternative treatment technology.	1/24/01
LB-W001	Acidic Aqueous and Solid Laboratory Packs Disposition: Alternative treatment technology.	1/24/01
LB-W002	Basic Aqueous Liquids – Low Alpha Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W004	Organic Liquids and Solids: Laboratory Packed Disposition: Alternative treatment technology.	1/24/01
LB-W005	Block and Sheet Lead-Induced and Surface Contamination Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W006	Liquid-Induced Mercury Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W007	Scintillation Fluids Disposition: Alternative treatment technology.	1/24/01
LB-W008	Aqueous and Solid Chemical Oxidizers Laboratory Disposition: Alternative treatment technology.	1/24/01
LB-W009	Solids or Contaminated Debris Disposition: Alternative treatment technology.	1/24/01
LB-W011	Acidic Aqueous Solutions/Solids with Metals Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W012	Basic Solids with Metals – High Alpha Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W014	Liquids/Solids Containing Solvents and Oil Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W017	Organic Scintillation Fluids Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W018	Aqueous/Solid Oxidizers Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W019	Debris Contaminated with Organic Volatiles Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W101	Aqueous Organic Liquid Disposition: Waste will not be received at INL for treatment.	10/31/01
LB-W111	Aqueous Liquids Offsite Waste Disposition: Treated and shipped offsite.	11/15/01
LB-W124	Vermiculite with Oil-Solvents Disposition: Alternative treatment technology.	1/24/01
LLNL Debris and Sludge	Lawrence Berkeley National Laboratory Offsite Waste Disposition: Treated and shipped offsite.	2/28/11
LLNL Debris and Sludge (Campaign 2)	Lawrence Berkeley National Laboratory Offsite Waste Disposition: Treated and shipped offsite.	11/15/13

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LLNL-CC-01	Contaminated Oil Disposition: Alternative treatment technology.	1/24/01
LL-W003	Low-Level Mixed Inorganic Trash-1 Disposition: Waste will not be received at INL for treatment.	10/31/01
LL-W006	Low-Level Mixed Scrap Metal Disposition: Waste will not be received at INL for treatment.	10/31/01
LL-W007	Elemental Lead Disposition: Has or will be treated by another site. Waste will not be received at INL.	4/27/99
LL-W015	Inorganic Debris Disposition: Alternative treatment technology.	1/24/01
LL-W017	Low-Level Mixed Inorganic Trash-3 Disposition: Waste will not be received at INL for treatment.	10/31/01
LL-W021	Laboratory Packs with Metals Disposition: Waste will not be received at INL for treatment.	10/31/01
LL-W024	Liquid Mercury Waste Disposition: Waste will not be received at INL for treatment.	10/31/01
MD-W021	Oil-Contaminated Florco Disposition: Alternative treatment technology.	1/24/01
MD-W023	Scintillation Cocktail Contaminated Florco Disposition: Alternative treatment technology.	1/24/01
MD-W024	Scintillation Cocktail Contaminated Trash Disposition: Alternative treatment technology.	1/24/01
MI-W001	Solid Waste with Heavy Metals Disposition: Waste was shipped offsite for disposal.	10/31/03
MI-W002	Solidified Solution With Heavy Metals Disposition: Treated and no longer generated.	4/21/04
MI-W003	Paint Chips with Heavy Metals Disposition: Treated and no longer generated.	4/21/04
MI-W004	Equipment Containing Thallium Disposition: Treated and no longer generated.	4/21/04
MI-W005	Solid Waste with Petroleum Products Disposition: Waste will be sent to SEG as nonhazardous waste. This waste stream will not be received at INL.	2/12/96
MI-W007	Lead Bricks, Sheets, Wool, Scrapings Disposition: Has been sent to Envirocare for treatment and disposal. No waste currently in storage (no backlog) and waste is not projected to be received from Mare Island Naval Shipyard.	2/24/97
MI-W008	Brass and Bronze Disposition: Waste was shipped offsite for disposal.	10/31/03

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
MI-W009	Solid Waste with Corrosives Disposition: This waste stream was determined to be nonhazardous by Mare Island personnel. This waste will not be received at INL.	2/12/96
MI-W010	Batteries and Film Packs with Mercury Disposition: Treated and no longer generated.	4/21/04
MI-W011	Materials Containing PCBs Disposition: Treated and no longer generated.	4/21/04
MI-W012	Combustible Debris Disposition: This waste stream was determined to be nonhazardous by Mare Island personnel. This waste will not be received at INL.	2/12/96
MI-W013	Organic Process Residues Disposition: This waste stream was determined to be nonhazardous by Mare Island personnel. This waste will not be received at INL.	2/12/96
MI-W014	Inorganic Debris with Heavy Metals without Mercury Disposition: Waste was shipped offsite for disposal.	10/31/03
MU-W001	Mixed Low-Level Waste Disposition: Alternative treatment technology.	1/24/01
NAVY ASH	Ash from Incineration of Waste from Several Sites Disposition: Treated and shipped offsite.	11/15/13
NA-W001	Solid Waste with Heavy Metals Disposition: Alternative treatment technology.	1/24/01
NA-W005	Elemental Lead Shielding Disposition: Waste will not be received at INL for treatment.	10/31/01
NN-W001	Lead/Chromium-Based Paint Chips Disposition: Sent to Hanford for treatment. Waste not received at INL.	5/14/97
NN-W002	Organic Waste with Heavy Metals Disposition: Alternative treatment technology.	1/24/01
NN-W003	Debris with Heavy Metals Disposition: Waste will not be received at INL for treatment.	10/31/01
NN-W011	Debris/Sludge Contaminated with Metals/Listed/Org Disposition: Alternative treatment technology.	1/24/01
NRD	NRD Limited Liability Corporation (NRD, LLC) (formerly known as Nuclear Radiation Development) Offsite Waste Disposition: Treated and shipped offsite.	11/8/11
NR-NRF-117	Cadmium Sheets Disposition: Treated and no longer generated.	1/21/04
NR-NRF-142	Lead-Contaminated Debris Disposition: Treated and no longer generated.	10/27/04
NR-NRF-143	Radioactive-Contaminated Lead (NRF) Disposition: Treated and no longer generated.	10/27/04

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
NR-NRF-190	Lead Filings Disposition: Treated and no longer generated.	4/21/04
NR-NRF-514	Paint Chips Disposition: Treated and no longer generated.	10/27/04
NR-NRF-515	Liquid Mercury Disposition: Treated and no longer generated.	1/21/04
NR-NRF-517	Oil with Heavy Metals Disposition: Treated and no longer generated.	4/21/04
NR-NRF-518	Water with Heavy Metals Disposition: Treated and no longer generated.	4/21/04
NR-NRF-520	Brass and Bronze Disposition: Treated and no longer generated.	4/21/04
NR-NRF-665	Paint Chips with PCB and RCRA Disposition: Waste moved to new Waste Stream Identifier (ID-INL-804).	1/19/05
NR-NRF-673	Heavy Metal Debris Disposition: Treated and no longer generated.	8/8/23
NR-NRF-682	Mercury Light Bulbs Disposition: Treated and no longer generated.	7/27/16
NR-NRF-703	Corrosive Liquids with Heavy Metals Disposition: Treated and no longer generated.	1/21/04
NR-NRF-706	RH Particulates Disposition: Treated and no longer generated.	7/27/16
NR-NRF-720	CH-MLLW Particles Containing Heavy Metal Disposition: Treated and no longer generated.	7/27/16
OR-NFS-CH-GROUT	Oak Ridge National Laboratory (ORNL) Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
OR-NFS-CH-HOM-A	Oak Ridge National Laboratory (ORNL) Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
PA-F030	Lead-Contaminated Debris Disposition: Alternative treatment technology.	1/24/01
PA-G001	Flammable Materials/Paints Disposition: Alternative treatment technology.	1/24/01
PA-K038	Spent Solvent Solids/Wood Disposition: Alternative treatment technology.	1/24/01
PA-L038	Soft Combustible Debris Disposition: Alternative treatment technology.	1/24/01
PA-M038	Soft Combustible Debris Disposition: Alternative treatment technology.	1/24/01
PA-W003	Waste Mineral Spirits Paint Waste Disposition: Alternative treatment technology.	1/24/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
PA-W003	Used Paint Waste Solids Disposition: Alternative treatment technology.	1/24/01
PA-W003-USEC	Paint Waste Solids Offsite Waste Disposition: Treated and shipped offsite.	11/15/01
PH-W002	Liquid Containing 1,1,1-Trichloroethane Disposition: Treated with no future generation of this waste stream.	10/29/97
PH-W004	Organic Waste Disposition: Alternative treatment technology.	1/24/01
PH-W006	Elemental Lead Disposition: Waste will not be received at INL for treatment.	10/31/01
PN-W015	Solids Contaminated with Potassium Chromate Disposition: Alternative treatment technology.	1/24/01
PO-W006	Waste Hg, Metallic Disposition: Waste will not be received at INL for treatment.	10/31/01
PO-W008	Motor Cleaning Solution Disposition: Waste stream deleted per generator update.	10/27/99
PO-W012	Uranium Recovery Solvent Disposition: Alternative treatment technology.	1/24/01
PO-W013	Chromic Closure Waste Disposition: Alternative treatment technology.	1/24/01
PO-W028	Laboratory Waste Disposition: Alternative treatment technology.	1/24/01
PO-W029	Waste Antifreeze Disposition: Alternative treatment technology.	1/24/01
PO-W040	Acetone Still Bottoms Disposition: Alternative treatment technology.	1/24/01
PO-W048	Gas Analyzer Solutions Disposition: Alternative treatment technology.	1/24/01
PO-W057	Solvents Disposition: Alternative treatment technology.	1/24/01
PO-W058	Activated Carbon Sludge Disposition: Alternative treatment technology.	1/24/01
PO-W061	Mercury Solids Disposition: Waste will not be received at INL for treatment.	10/31/01
PO-W077	Neat TCE Disposition: Alternative treatment technology.	1/24/01
PO-W078	Diesel Fuel, Gasoline, Kerosene Disposition: Alternative treatment technology.	1/24/01
PS-W001	Organic Debris with Heavy Metals Disposition: Alternative treatment technology.	1/24/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
PS-W004	Liquid with F-Listed Solvents Disposition: Treated with no future generation of this waste stream.	10/29/97
PS-W005	Debris with F-Listed Solvents Disposition: Treated with no future generation of this waste stream.	10/29/97
PS-W006	Solidified Liquid with F-Listed Solvents Disposition: Waste was determined to meet LDR standards. Waste not received at INL.	5/14/97
PS-W007	Debris with Heavy Metals and PCBs Disposition: Waste will not be received at INL for treatment.	10/31/01
PS-W009	Paint Thinner with Butyl Alcohol Disposition: This waste stream will not be received at INL.	5/14/97
PS-W011	Debris with Heavy Metals and F-Listed Solvent Disposition: This waste will not be received at INL	5/14/97
PS-W012	Paint Chips with Heavy Metals and PCBs Disposition: Waste will not be received at INL for treatment.	10/31/01
PS-W013	Elemental Lead Disposition: Waste will not be received at INL for treatment.	10/31/01
PS-W019	Filters with Asbestos and Dioctyl Phthalate Disposition: This waste is no longer regulated due to revisions in state regulations. This waste will not be received at INL.	5/28/96
PS-W020	Compressed Filter Media with Dioctyl Phthalate Disposition: This waste is no longer regulated due to revisions in state regulations. This waste will not be received at INL.	5/28/96
PX-6.1	Solvent and Heavy Metal-Contaminated Debris Disposition: Alternative treatment technology.	1/24/01
PXSTP#-2.1	Wastewater Disposition: Waste will not be received at INL for treatment.	10/31/01
PXSTP#-6.2	Inorganic Debris; Contaminated Disposition: Waste will not be received at INL for treatment.	10/31/01
RF-W017	PCB Liquids/LLM Disposition: Waste stream deleted per generator update.	10/27/99
RF-W027	Paints/LLM Disposition: Waste stream deleted per generator update.	10/27/99
RF-W049	Miscellaneous Liquids/LLM Disposition: Waste stream deleted per generator update.	10/27/99
RF-W071-GAC	Granulated-Activated Carbon Disposition: Alternative treatment technology.	1/24/01
RF-W083	Excess Chemicals Organometallic Laboratory Pack Disposition: Waste stream deleted per generator update.	10/27/99

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
RF-W085	Excess Chemicals Non-Laboratory Packs with D009/LLM Disposition: Waste stream deleted per generator update.	10/27/99
RF-W086	Excess Chemicals Non-Laboratory Packs-Other/LLM Disposition: Waste stream deleted per generator update.	10/27/99
RL-601-01	MW Debris Disposition: Alternative treatment technology.	1/24/01
RL-AL0	Organic Absorbed Liquids Disposition: Alternative treatment technology.	1/24/01
RL-LPO	Organic Laboratory Packs Disposition: Alternative treatment technology.	1/24/01
RLM216Z9S	Hanford Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
RLM325D.002	Hanford Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
RLPUNIT	Hanford Offsite Waste Disposition: Treated and shipped offsite.	1/19/09
RP-W001	NE Fast Reactor Physics Sodium Disposition: Waste will not be received at INL for treatment.	10/31/01
SA-TG-11	Organic Liquids 11: Oils Disposition: Alternative treatment technology.	1/24/01
SA-TG-12	Organic Debris with TCLP Metals Disposition: Alternative treatment technology.	1/24/01
SA-TG-17-A	Absorbed Machine Oils Disposition: Alternative treatment technology.	1/24/01
SA-TG-17-B	Sandia National Laboratory Septic Tanks Residue Offsite Waste Disposition: Treated and shipped offsite.	11/15/99
SA-TG-18	Particulates with Organic Contaminants Disposition: Alternative treatment technology.	1/24/01
SA-TG-7	Organic Liquids/Scintillation Cocktails Disposition: Alternative treatment technology.	1/24/01
SA-TG-8/10	Organic Debris with Solvents/Heter Debris Disposition: Alternative treatment technology.	1/24/01
SNL Waste, Sandia National Laboratory	Sandia National Laboratory Offsite Waste Disposition: Treated and shipped offsite.	1/3/12
SR-321-HOM (Lot 1)	SRS Offsite Waste Disposition: Treated and shipped offsite.	6/5/13
SR-BCDLP.003.001 (Lot 1)	SRS Offsite Waste Disposition: Treated and shipped offsite.	6/5/13

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
SR-MD SOIL	SRS Offsite Waste Disposition: Treated and shipped offsite.	1/13/12
SR-MD-HOM-B	SRS Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
SR-MD-HOM-C	SRS Offsite Waste Disposition: Treated and shipped offsite.	5/3/12
SR-SDD-HOM-A	SRS Offsite Waste Disposition: Treated and shipped offsite.	3/16/13
SR-SDD-HOM-B	SRS Offsite Waste Disposition: Treated and shipped offsite.	1/12/13
SR-SDD-HOM-C	SRS Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
SR-SWMF-SOIL (Lot 1)	SRS Offsite Waste Disposition: Treated and shipped offsite.	11/15/13
SR-SWMF-SOIL (Lot 2)	SRS Offsite Waste Disposition: Treated and shipped offsite.	1/13/12
SR-W014	Tritiated Mercury Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
SR-W026-221F-HOM (Lot 1)	SRS Offsite Waste Offsite Waste Disposition: Treated and shipped offsite.	4/9/12
SR-W027/SR-AGNS-HOM	SRS Offsite Waste Disposition: Treated and shipped offsite.	2/16/12
SR-W027-221H-HOM (Lot 1)	SRS Offsite Waste Disposition: Treated and shipped offsite.	5/14/12
SR-W027-235F-HOM (Lot 1)	SRS Offsite Waste Disposition: Treated and shipped offsite	5/14/12
SR-W027-773A-HOM (Lot 1)	SRS Offsite Waste Disposition: Treated and shipped offsite.	5/14/12
SR-W049	Tank E-3-1 Clean Out Material Disposition: Waste was treated at another DOE site and will not be received at INL.	1/27/99
SR-W068	Liquid Elemental Mercury Disposition: Has or will be treated by another site. Will not be received at INL.	4/27/99
WS-W005	2 4 D Powder/Contaminated Solids Disposition: Waste is being treated on the Weldon Springs site and will not come to INL.	11/16/98
WS-W030	Paint Sludge Disposition: Waste is being treated at the Weldon Springs site and will not come to INL.	11/16/98

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
WS-W044	Paint Waste with Mercury Disposition: Waste is being treated at the Weldon Springs site and will not come to INL.	11/16/98
WS-W052	Sludge with D040 Disposition: Waste is being treated at the Weldon Springs site and will not come to INL.	11/16/98
WS-WITS-4847	Organic Wastewater Disposition: Waste is being treated at the Weldon Springs site and will not come to INL.	11/16/98
WS-WITS-6311	Consolidated Oils Disposition: Waste is being treated at the Weldon Springs site and will not come to INL.	11/16/98
WS-WITS-6435	UTS Sludge Disposition: Waste is being treated on the Weldon Springs site and will not come to INL.	11/16/98
WV-W003	Organic Extraction Waste Disposition: Alternative treatment technology.	1/24/01
WV-W005	Decon Solution Disposition: Alternative treatment technology.	1/24/01
WV-W006	Pu Scintillation (nCi/G) Disposition: Alternative treatment technology.	1/24/01
WV-W007	Pyridine/Cyanide Waste Disposition: Alternative treatment technology.	1/24/01
WV-W008	Oil with Mercury Disposition: Alternative treatment technology.	1/24/01
WV-W009	Methanol Disposition: Alternative treatment technology.	1/24/01
WV-W010	Paint Disposition: Alternative treatment technology.	1/24/01
WV-W012	Paint with Metals Disposition: Alternative treatment technology.	1/24/01
WV-W014	Sr Organic Waste Disposition: Alternative treatment technology.	1/24/01
WV-W016	R&D Toluene Disposition: Alternative treatment technology.	1/24/01
WV-W017	Tc Aqueous Waste Disposition: Alternative treatment technology.	1/24/01
WV-W018	Du-Squeeze Disposition: Alternative treatment technology.	1/24/01
WV-W021	Ignitable Organic Liquids Disposition: Alternative treatment technology.	1/24/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
WV-W022	Spent Degreaser Disposition: Alternative treatment technology.	1/24/01
WV-W025	Caustic Waste Disposition: Alternative treatment technology.	1/24/01
WV-W027	Oxidizers Disposition: Alternative treatment technology.	1/24/01
WV-W029	Immersion Bucket Solution Disposition: Alternative treatment technology.	1/24/01
WV-W030	Aqueous Laboratory Waste Disposition: Alternative treatment technology.	1/24/01
WV-W032	Ignitable Chemical Products Disposition: Alternative treatment technology.	1/24/01
WV-W033	Ignitable Metal Waste Disposition: Alternative treatment technology.	1/24/01
WV-W034	Acidic Aqueous Waste Disposition: Alternative treatment technology.	1/24/01
WV-W037	Decontaminated Supernatant Disposition: Alternative treatment technology.	1/24/01
WV-W042	Organic Sludges Disposition: Alternative treatment technology.	1/24/01
WV-W043	Ignitable Liquids Disposition: Alternative treatment technology.	1/24/01
WV-W044	Ignitable Organic Liquids Disposition: Alternative treatment technology.	1/24/01
WV-W047	Inorganic Sludges Disposition: Alternative treatment technology.	1/24/01
WV-W053	Sodium Brohydride Disposition: Alternative treatment technology.	1/24/01
WV-W054	Corrosive/Flammable Liquids Disposition: Alternative treatment technology.	1/24/01
WV-W056	Reactives Disposition: Alternative treatment technology.	1/24/01

5. IDAHO NATIONAL LABORATORY TREATMENT FACILITY SCHEDULES

MW streams at INL are predominately expected to be treated to meet LDR treatment standards through a number of onsite and commercial facilities.

Section 3 of this STP identifies those treatment facilities that will treat the INL MW and the offsite waste destined to be treated at INL. Section 4 of this STP identifies those waste streams scheduled for treatment by INL. This section contains the schedules for those INL facilities that will treat the MW previously identified in Section 4. Based on future funding projections, the current life-cycle costs for the existing and planned INL treatment facilities may exceed available funding and possibly delay the schedules presented in this Section 5.

Milestones and planning dates are identified by reference to quarters, as outlined in Subsection 2.2.2.2.3. The first quarter, or "1Q," shall have December 31 as its corresponding specific date; the second quarter, or "2Q," shall have March 31 as its corresponding specific date; the third quarter, or "3Q," shall have June 30 as its corresponding specific date; and the fourth quarter, or "4Q," shall have September 30 as its specific date.

5.1 Schedules for Treatment Facilities for Which Technology Exists

Schedules have been developed for the treatment facilities that will apply existing technology to treat INL MW streams. Table 5-1 presents the schedules for these existing treatment technologies. For new facilities, the schedule is heavily dependent on decisions made during the design phase and is contingent on funding availability. Assumptions and professional judgments related to the type of treatment technology, location of the treatment facility, contracting mechanism, project approval process, cost, and other considerations were used to develop the estimated schedule. Any variation from these assumptions will affect the estimated schedule. Cost data used in developing options and schedules are planning estimates only and do not reflect a commitment of budgetary resources.

5.1.1 Mixed Waste to Be Treated at Existing Facilities

Waste streams identified to be treated in the individual facilities in this section are found in Table 6-1 of this STP.

5.1.1.1 General Assumptions for Existing Facility Schedules

[RESERVED]

Table 5-1 (Reserved).

5.1.1.2 **General Milestone and Planning Date Descriptions.** The following are general descriptions for milestones and planning dates for existing facilities identified in this section. Specific descriptions of milestones and planning dates that differ from the general descriptions are identified in Table 5-1 for each individual facility.

- **P-1, Submit Part B:** The date on which INL presents the RCRA Part B submittal to DEQ for approval.

- **P-2, Procure Contracts:** The date on which contracts are in place for the design of facilities and/or process equipment.

- **P-3, Initiate Construction:** The date on which contractor(s) have mobilized and construction of a process or facility containing a process begins.

- **P-4, Commence System Testing:** The date on which testing begins on the treatment process equipment on "cold" feedstock.

- **P-5, Commence Operations:** The date on which treatment of waste using the treatment process begins.

- **P-6, Schedule for System Backlog:** The date on which INL submits a schedule after commencing operation, identifying time required for processing waste currently in storage. This includes waste in storage at INL.

- **S-1, State Action:** Estimated date of approved Part B. This date is not a milestone or planning date.

5.2 Schedules for Treatment Facilities for Which Technology Exists but Needs Adaptation, or for Which No Technology Exists

(Reserved - Currently, no waste streams are identified for treatment.)
Facilities for which technology exists, but that technology needs adaptation, or for which no technology exists. (Reserved)

Schedules for the modification or development of needed technologies for MW streams for which technology exists but needs some modification to be applicable to INL waste streams, or for which technology development is needed and have been developed for the treatment facilities that will treat these MW streams. Subsection 5.2.2, “Facility-Specific Schedules,” presents the schedules for these planned treatment technologies.

5.2.1 Mixed Waste to Be Treated by Planned Facilities

Waste streams identified to be treated in the individual facilities in this section are found in Table 6-1 of this STP.

5.2.1.1 General Assumptions for Planned Facility Schedules

(Reserved - Currently, no waste streams are identified for treatment that require treatment development.)

5.2.1.1 General Milestone and Planning Date Descriptions. The following are general descriptions for milestones and planning dates for planned facilities identified in this section. Specific descriptions of milestones and planning dates that differ from the general descriptions are identified in the individual facility section.

- **P-0, Define Project:** The date on which system analysis, private-sector evaluation, or other appropriate studies, including the use of mobile treatment units, have been completed and an appropriate method(s) of providing treatment or waste management in accordance with LDR requirements can be proposed to the State of Idaho.

- **P-1, Identify Funding Requirements:** The date on which the cost and schedule for spending funds are submitted in an activity data sheet to DOE-HQ for the identification and development of technology.

- **P-2, Identify and Develop Technology:** The date on which technologies are identified and incorporated into the conceptual design.

- **P-3, Submit Treatability Study Notification:** The date on which DEQ is notified that treatability studies are required to assist in the development of treatment technology for a specified technology and will be performed pursuant to the exemption in 40 CFR 261.4(e) and (f).

- **P-4, Submit Research and Development Permit Applications:** The date on which the research and development permit application is submitted to DEQ.

- **P-5, Schedule for Table 5-1 Milestones:** The date on which the Table 5-1 milestones are submitted to DEQ for inclusion in the approved STP.

- **P-6, Proposal for Feasibility Study:** The date on which DOE solicits proposals for feasibility studies.

- **P-7, Submit RCRA Part B Application:** The date on which INL presents the RCRA Part B submittal to DEQ for approval.

5.2.2 Facility-Specific Schedules

5.2.2.1 Calcine Disposition Project. In 2010, DOE published in the Federal Register (Federal Register/Vol. 75, No. 1/Monday, January 4, 2010/notices, 137) an environmental impact statement amended record of decision choosing hot isostatic pressing as the technology to treat calcine to provide a volume-reduced monolithic waste form for the calcined waste.

Two analysis of alternatives (AoA) reports were developed in 2016 and 2021 to evaluate options for dispositioning calcine. The AoAs examined potential treatment technologies, considered risks associated with technology readiness, and evaluated if any newly available disposal pathways exist. The 2021 AoA found that hot isostatic pressing presented the least favorable option for processing calcine due to its lack of technical maturity and higher operational risk factors.

Considering the results of the 2021 AoA, DOE has begun evaluating available treatment technologies as potential candidates for processing calcine. Therefore, DOE has developed the

milestones/planning dates in Table 5-2 that provide a pathway to evaluate and select an existing technology for treating calcine.

Table 5-2. Milestones/planning dates for mixed waste facilities for which technology exists, but that technology needs adaptation, or for which no technology exists.

Facility	Assumptions	Schedule
Calcine Disposition Project		P-0, Define Project – Approve update to the *Mission Need Statement: Calcine Disposition Project* (Revised CD-0 Approval): Completed. P-2, Identify and Develop Treatment Technology – Identify preferred treatment methods through validation of existing technologies that will ultimately be incorporated into the future selected design: 2Q FY 2027. P-2a, Decision Document – Issue Record of Decision Amendment identifying selected calcine treatment technologies that provide a treatment method in accordance with LDR requirements: 2Q FY 2028. P-5, Schedule for Table 5-1 Milestones – Establish future milestones for Table 5-1 at completion of conceptual design for the selected calcine treatment technology (following CD-1 Approval): 1 year after CD-1 approval.

5.3 Schedules for Mixed Waste Streams Planned for Treatment Offsite

(Reserved - Currently, no waste streams are identified for offsite treatment that require treatment development.)

5.3.1 General Assumptions for Mixed Waste Streams Intended for Treatment Offsite

- Changes due to the reality of congressional funding changes and DOE prioritization activities may require additional time to complete milestones.

- These schedules assume that DEQ will review and approve permits in a timely manner.

5.3.2 General Milestone and Planning Date Descriptions

The following are general descriptions for milestones and planning dates for MW streams intended for treatment offsite.

- **P-1, Complete Necessary Characterization:** Dependent on the offsite treatment facility WAC, additional characterization may be necessary to meet that WAC. This will be determined upon review of the facility's WAC with the waste profile sheets.

- **P-2, Complete Sorting:** Sorting and segregation of waste streams may be necessary in order to characterize and certify waste streams for shipment to a treatment facility. If sorting is required, it will be completed, as needed.

- **P-3, Complete Repackaging:** Once the waste streams have been certified to meet the treatment facility's WAC, the wastes will be (re)packaged for transportation and as per the Waste Certification Program.

- **P-4, Prepare Waste Stream Request for Storage and Treatment:** A request will be sent to the treatment facility for the treatment of the waste.

- **P-5, Ship Waste Offsite:** The shipment of waste to an offsite facility will be established 90 days after the treatment facility P-6 milestone has been fulfilled.

5.3.3 Facility-Specific Schedules

Table 5-3 (Reserved).

5.4 Mixed Transuranic-Contaminated Waste Shipped to the Waste Isolation Pilot Plant (or Other Offsite Disposition)

MTRU waste is MW that contains more than 100 nCi of alpha-emitting TRU isotopes per gram of waste with half-lives greater than 20 years. α-MLLW is MW containing between 10 and 100 nCi of alpha-emitting TRU isotopes per gram with half-lives greater than 20 years. DOE has historically managed α-MLLW and MTRU waste together in the same storage areas/facilities at INL and generally

plans to treat and/or repackage wastes at INL (both MTRU and α-MLLW) to meet the WAC for disposal at WIPP or an appropriate offsite MLLW facility.[f] For the purposes of this STP, DOE has identified these wastes in Table 4-2, except for certain newly generated MTRU wastes identified in Table 4-2a. DOE expects to identify or generate additional waste during processing the wastes identified in Table 4-2 that will be more appropriately managed as MLLW.

MTRU and α-MLLW waste will be processed as follows:[g]

1. The original volume of TRU-contaminated waste included in Table 4-2 will be repackaged or processed to meet the WIPP WAC for disposal based on current acceptable knowledge and basis of knowledge requirements or declared MLLW as noted below. The milestones for processing this waste are included in Table 5-6a below.

   (a) DOE may count the waste as processed once DOE has either (1) certified the waste for disposal at WIPP or (2) declared that the waste will be managed as MLLW or LLW.

   (b) DOE shall declare that specific MW will be managed as MLLW by adding it to Table 4-1 and submitting the table, along with other pertinent information, at the quarterly meetings or in writing prior to such meetings. Only waste identified in such written submissions to DEQ shall be considered MLLW and counted toward meeting the requirements for processing waste under this section.

   (c) The term "treatment" as used in this section means that the original volume of TRU-contaminated waste has been physically treated or reconfigured through one of the facilities described in Subsection 3.3, "Description of Facilities Required to Treat the Mixed Transuranic-Contaminated Waste at the Idaho National Laboratory," to be in a container type suitable for transportation to and disposal at WIPP. Final containers

f. As described in Subsection 4.1, supra, DOE no longer uses the designation α-MLLW for MLLW with less than 100 nCi/g of waste. The waste DOE previously designated as α-MLLW is contained in Table 4-2 and will be disposed of in accordance with Subsections 4.2 and 5.4.

g. DOE asserts that waste covered by this section was "designated for disposal at WIPP" when the STP was effective on November 1, 1995, and became exempt from the requirements of this STP and the FFC Act by virtue of Section 3188 of the WIPP Land Withdrawal Amendments Act of 1996 (P.L. 104-201, 110 Stat. 2422). DEQ does not concur. As provided in Subsection 5.4 of the Consent Order incorporating this STP, DOE specifically reserves the rights, authority, claims, or defenses, including sovereign immunity, that it may have regarding state jurisdiction over wastes designated for disposal at WIPP. Notwithstanding this reservation, DOE agrees the milestones set forth in this STP for processing TRU-contaminated wastes are enforceable under this STP and Consent Order.

may be considered "treatment complete" when characterization indicates compliance to the WIPP WAC.

2. DOE will submit an update for RH-TRU certification as part of the minutes for the quarterly STP meetings.

3. The term "original volume," as used in this section, means the waste volume prior to processing that was stored as TRU at the time the Settlement Agreement was signed and approved by the court on October 17, 1995.

Nothing in this STP affects or modifies the obligations and remedies in the October 17, 1995, Settlement Agreement. The INL facilities to treat MTRU-contaminated waste include RWDP (at CPP-659 and CPP-666) and AMWTP.

5.4a Processing of Newly Generated Mixed Transuranic-Contaminated Waste

DOE intends to process for shipment the newly generated MTRU waste (i.e., MTRU generated after the effective date of the Settlement Agreement and Consent Order) included in Table 4-2a after it has finished processing waste included in Table 4-2. MTRU waste identified in Table 4-2a will be processed per the milestones in Table 5-6a . The waste in Table 4-2a will be processed as follows:

(a) DOE may count the waste as processed when DOE has certified the waste for disposal at WIPP.

(b) When the total volume of an MTRU waste stream in Table 4-2a has been certified for disposal at WIPP, it may be deleted from the STP under Subsection 2.7.1. When deleted, the waste stream will be included in Table 4-6.

(c) DOE shall provide pertinent information regarding any MLLW or other waste streams generated during processing of wastes in Table 4-2a at the quarterly meetings or in writing prior to such meetings. If DOE generates MLLW as a result of processing the waste in Table 4-2a that is not expected to be treated or otherwise dispositioned within 1 year of generation, DOE will amend or submit a waste stream treatment plan in accordance with Subsection 2.4.

5.5 Processing of Sodium-Bearing Waste

Commencing in FY 2023, DOE agrees to treat the original volume of ID-TEC-173, Sodium-Bearing Waste, listed in Table 5-6b, through IWTU, as follows:

(a) DOE commenced operation of IWTU by 3Q FY 2023.

(b) The term "commence operations" as used in this section means that SBW has been transferred from the INTEC tank farm to IWTU and IWTU has begun processing the waste.

(c) DOE will treat 15% of ID-TEC-173 waste annually through IWTU, based on the original volume of ID-TEC-173 waste.

(d) This percentage rate will be calculated annually on a 3-year running average beginning with FY 2024 until treatment of all ID-TEC-173 waste is completed.

(e) The term "3-year running average" as used in this section is defined as the total amount of ID-TEC-173 waste completing treatment over the most recent 3 consecutive years divided by 3.

(f) Only ID-TEC-173 waste that has completed treatment through IWTU may be counted toward meeting the annual 15% requirement by DOE.

(g) The term "treatment" as used in this section means that the original volume of ID-TEC-173 waste has been treated through IWTU, as described in Subsection 3.4, "Description of Facilities Required to Treat Calcine and Sodium-Bearing Waste," was placed in a suitable container and is in RCRA-compliant storage.

(h) The term "original volume" as used in this section means the volume of ID-TEC-173 waste identified in Table 5-6b.

(i) When the total volume of ID-TEC-173 waste in Table 5-6b has been treated, it may be deleted from the STP under Subsection 2.7.1. When deleted, the waste stream will be included in Table 4-6.

(j) DOE shall declare that the treated SBW will be managed as ID-TEC-176, IWTU Steam Reformer Product, in Table 4-3, and submit the table along with other pertinent information at the quarterly meetings or in writing prior to such meetings. Only waste identified in such written submissions to DEQ shall be considered IWTU steam reformer product and counted toward meeting the requirements for processing waste under this section.

(k) Nothing in this STP affects or modifies the obligations and remedies in the October 17, 1995, Settlement Agreement; the November 6, 2019, Supplemental Agreement Concerning Conditional Waiver of Sections D.2.e and K.1 of the 1995 Settlement Agreement; the April 3, 1992, Notice of Noncompliance Consent Order, as modified; or any other related agreements.

5.6 Backlog Schedules for Operating Treatment Facilities

Backlog schedules are adjusted annually for operating treatment facilities and are subject to the procedures of Section 2, "Implementation of the Site Treatment Plan," regarding milestones and planning dates, including Subsection 2.2 and Subsection 2.13. Backlog milestones and planning dates will identify annual volumes of backlogged wastes expected to be treated by the end of the fourth quarter of each FY per Subsection 2.2.2.2.3. The backlog schedule will be established and annually adjusted based on (1) the actual volume of waste in storage as of the end of the fourth quarter of the prior FY (backlog), (2) the operational capacity of the treatment unit, and (3) plans for treating the estimated volumes of any wastes projected to be generated or received from offsite. Adjustments to the backlog schedules will be discussed and then approved, as applicable and appropriate, as part of the fourth quarter STP meeting (October) and reflected in the annual report. The treatment schedules will identify the volume of backlog waste to be treated by the applicable facility by September 30 of each FY in the schedule. Specific descriptions of milestones are identified in Tables 5-6a and 5-6b.

Table 5-6a. Milestones for treatment of waste backlog per treatment unit.

Facility	FY 2026 (m^3)	FY 2027 (m^3)	FY 2028 (m^3)
Sodium Components Maintenance Shop[a]	2	1.5	1.2007[b]
Original Volume Transuranic-Contaminated Waste Certification[a]	650	400	1,000
Original Volume TRU Reclassified as Mixed Low-Level Waste (mixed low-level waste associated with sludge processing)[c]	100	100	30
Remote-Handled Waste Disposition Project[d]	3.5	3.5[e]	3.5
Original Volume Remote-Handled Waste Certification	6	3	3

a. Carryover of volume in excess of the milestone is allowed from one year to the next.
b. This completes the SCMS backlog volume.
c. On July 13, 2023, DEQ conditionally approved the extension of this milestone until December 31, 2028. Carryover of volume in excess of the milestone is allowed from one year to the next.
d. The backlog schedule includes treatment of waste in the RWDP from 2016 through 2045 due to technical challenges associated with handling and treating highly radioactive material and the need to process the waste in a hot cell facility. Carryover of volume in excess of the milestone is allowed from one year to the next.
e. The FY 2026 milestone was completed during Q1 FY 2025.

Table 5-6b. Milestone for treatment of waste backlog in Sodium-Bearing Waste Treatment Facility.

Facility	FY 2026	FY 2027	FY 2028
Sodium-Bearing Waste Treatment Facility (IWTU)	Complete 15% treatment (484.80 m^3)	Complete 15% treatment (484.80 m^3)	Complete 15% treatment (484.80 m^3)

NOTE: *The volume to be treated is based on a 3-year rolling average (starting in FY 2026) of the FY 2021 tank volume of 3,232.01 m^3 (853,900 gal). See Q3 FY 2024 meeting minutes Appendix 1D for the Table 5-6b milestone tracking determination.*

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6. WASTE STREAM TREATMENT PLANS

Table 6-1 shows the onsite and offsite waste streams currently being proposed for treatment at each INL facility. Both onsite and offsite waste streams have been assessed for treatment by evaluating the total waste stream. In some cases, a particular waste stream may require treatment at more than one facility. For example, a contaminated debris waste stream that has a proposed treatment option of incineration at one facility is also included with waste requiring stabilization at another facility. This method may result in a given waste stream being listed under several treatment units.

Table 6-2 lists the onsite and offsite waste streams and includes the current treatment plans for each. The treatment plans for each waste stream include pretreatment steps such as segregation and sizing and the treatment train required for each portion of the waste stream. In some cases, a waste stream is segregated and treated separately. In those cases, the separate steps are listed by volume percent of the original waste stream.

Table 6-1. Summary of the treatment selection process by preferred treatment option.

Waste Stream ID	Waste Stream Name
Advanced Mixed Waste Treatment Project	
INL Waste Streams:	
BN510	Box and Bin Volume
ID-AMWTP-100	Mixed Waste Incidental to Processing
ID-AMWTP-100Ta	MTRU Incidental to Processing
ID-TEC-670Ta	MTRU Laboratory Analytical Waste
ID-TEC-699Ta	MTRU Waste from NWCF and CSSF
LEGACY-UNCOMP DEBRIS	Uncompacted Legacy Debris
CPP-659 HEPA Filter Disposition	
INL Waste Streams:	
ID-TEC-172Ta	INTEC Mixed TRU HEPA Filters
Commercial Treatment Facility	
INL Waste Streams:	
CH-ANL-180CH	Sodium-LLW Contact-Handled
CH-ANL-180RH	Sodium-MLLW Remote-Handled
CH-ANL-182CH	Sodium Potassium Nak Contact-Handled
CH-ANL-182RH	Sodium Potassium Nak Remote-Handled-MLLW
CH-ANL-716CH	MLLW Contact-Handled
CH-ANL-716RH	MLLW Remote-Handled-MLLW
ID-AMWTP-100	Mixed Waste Incidental to Processing

Table 6-1. (continued).

Waste Stream ID	Waste Stream Name
ID-INL-806	INTEC Mixed Low-Level Waste
ID-SDS-MLLW	Non-Settlement Agreement, Non-TRU MLLW, Containers of Waste Debris with Sodium and Cadmium from SDS System
ID-TEC-172Ta	Mixed TRU HEPA Filters
LEGACY-SLUDGE	Legacy Sludge
LEGACY-SLUDGE REPACK	Repackaged Legacy Sludge
LEGACY-SOIL	Legacy Soil
LEGACY-UNCOMP DEBRIS	Uncompacted Legacy Debris
Calcine Disposition Facility	
INL Waste Streams:	
ID-TEC-174	High-Level Waste Calcine Solids
Government-Owned Offsite Disposal Facility (NNSS)	
INL Waste Streams:	
BN510	Box and Bin Volume
CH-ANL-180CH	Sodium-MLLW Contact-Handled
CH-ANL-180RH	Sodium-MLLW Remote-Handled
CH-ANL-182RH	Sodium Potassium NaK Remote-Handled
CH-ANL-716CH	MLLW Contact-Handled
CH-ANL-716RH	MLLW Remote-Handled
ID-AMWTP-100	Mixed Waste Incidental to Processing
ID-INL-806	INTEC Mixed Low-Level Waste
ID-SDS-MLLW	Non-Settlement Agreement, Non-TRU MLLW Debris with Sodium and Cadmium from SDS System
LEGACY-BN510.4	Supercompacted Legacy Debris
LEGACY-UNCOMP DEBRIS	Uncompacted Legacy Debris
RWDP Remote-Handled Waste Disposition Project	
INL Waste Streams:	
BN510	Box and Bin Volume
CH-ANL-180Ta	Sodium – TRU
CH-ANL-182RH	Sodium Potassium NaK Remote Handled
CH-ANL-241Ta	MTRU Remote Handled to be WIPP Certified
CH-ANL-241Ta1	MTRU Remote Handled to be Repackaged in CPP-666
CH-ANL-716RH	MLLW Remote Handled
ID-RWDP-RH	Waste to be Treated at RWDP
ID-SDS-MLLW	Non-Settlement Agreement, Non-TRU MLLW, Containers of Waste and Debris with Sodium and Cadmium from SDS System

Table 6-1. (continued).

Waste Stream ID	Waste Stream Name
ID-SDS-TRU	TRU Waste from SDS Treatment
ID-TEC-699Ta	Mixed TRU Waste from NWCF and CSSF
ID-TRU-RHNHa	RH-TRU, Non-Hazardous Generated from RWDP Treatment
ID-TRU-RHMa	RH-TRU Mixed Waste Generated from the RWDP Treatment Process
SBW Treatment Facility (IWTU)	
INL Waste Streams:	
ID-TEC-173	Sodium-Bearing Waste
ID-TEC-175	INTEC Liquid Waste
ID-TEC-176	Steam Reformer Product
ID-TEC-177	Other IWTU Newly Generated Waste
SCMS Deact	
INL Waste Streams:	
CH-ANL-180CH	Sodium – MLLW Contact Handled
CH-ANL-182CH	Sodium Potassium NaK Contact Handled
SCMS Neutralization	
None at this time	
SCMS Open/Melt/Drain	
INL Waste Streams:	
CH-ANL-180CH	Sodium – MLLW Contact Handled
SCMS Stabilization	
INL Waste Streams:	
None at this time	
Subtitle C Disposal Facility (SCDF)	
INL Waste Streams:	
CH-ANL-716CH	MLLW Contact Handled
ID-INL-806	INTEC Mixed Low-Level Waste
ID-TEC-172Ta	INTEC TRU HEPA Filters
WIPP Disposal - Contact-Handled	
INL Waste Streams:	
BN510	Box and Bin Volume
ID-AMWTP-100Ta	MTRU Incidental to Processing
ID-TEC-670Ta	MTRU Laboratory Analytical Waste
LEGACY-BN510.4	Supercompacted Legacy Debris
LEGACY-SLUDGE	Legacy Sludge

Table 6-1. (continued).

Waste Stream ID	Waste Stream Name
LEGACY-SLUDGE REPACK	Repackaged Legacy Sludge
LEGACY-SOIL	Legacy Soil
LEGACY-UNCOMP DEBRIS	Uncompacted Legacy Debris
Offsite Waste Streams:	
ANL-E WASTE	Argonne National Laboratory-East
LA-MHD01	Los Alamos National Laboratory Heterogeneous Debris
WIPP Disposal – Remote-Handled	
INL Waste Streams:	
CH-ANL-180Ta	Sodium – TRU
CH-ANL-241Ta	MTRU Remote Handled to be WIPP Certified
CH-ANL-241Ta1	MTRU Remote Handled to be Repackaged in CPP-666
ID-RWDP-RH	RH Waste to be Treated at RWDP
ID-SDS-TRU	TRU Waste from SDS Treatment
ID-SDS-TRUa	TRU Waste from SDS Treatment
ID-TEC-172Ta	INTEC TRU HEPA Filters
ID-TEC-699Ta	Mixed TRU Waste from NWCF and CSSF
ID-TRU-RHNHa	RH-TRU Non-Hazardous Generated from RWDP Treatment
ID-WIPP-RH	RWDP Waste Waiting to be Certified to WIPP

Table 6-2. Treatment plans.

STP ID/Name	Step	Facility Abbreviation	Unit Name
Onsite Mixed Waste Treatment Plans			
BN510—Box and Bin Volume			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal Contact-Handled
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	NNSS	Disposal
	a	RWDP Disposition	Remote-Handled Waste Disposition Project
CH-ANL-180CH—Sodium – MLLW Contact Handled			
	a	SCMS/CTF	Deact/Commercial Treatment Facility
	b	LLW/NNSS	Disposal – Contact-Handled
CH-ANL-180RH—Sodium – MLLW Remote Handled			
	a	RWDP Disposition	Remote-Handled Waste Disposition Project
	b	LLW/NNSS	Disposal – Remote Handled
	c	MLLW/CTF	Commercial Treatment Facility
CH-ANL-180TA—Sodium – TRU			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal – Remote-Handled
CH-ANL-182CH—Sodium Potassium NaK Contact Handled			
	a	SCMS/CTF	Deact/Commercial Treatment Facility
	b	LLW	Disposal – Contact Handled
CH-ANL-182RH—Sodium Potassium NaK Remote Handled			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	LLW/NNSS	Disposal – Remote-Handled
	c	MLLW/CTF	Commercial Treatment Facility
CH-ANL-241Ta—MTRU Remote Handled to be WIPP Certified in CPP-659			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal – Remote-Handled

Table 6-2. (continued).

STP ID/Name	Step	Facility Abbreviation	Unit Name
CH-ANL-241Ta1—MTRU Remote Handled to be Repackaged in CPP-666			
	a	RWDP	Remote-Handled Waste Disposition Project, CPP-666
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal – Remote-Handled
CH-ANL-716CH—MLLW Contact Handled			
	a	CTF	Commercial Treatment
	b	SCDF or NNSS	Disposal Contact-Handled
CH-ANL-716RH—MLLW Remote Handled			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	LLW/NNSS	Disposal Remote-Handled
ID-AMWTP-100—Mixed Waste Incidental to Processing			
	a	AMWTP/CTF or NNSS	Advanced Mixed Waste Treatment Project/Commercial Treatment
	b	SCDF	Disposal – Contact-Handled
ID-AMWTP-100Ta—MTRU Incidental to Processing			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal – Contact-Handled
ID-INL-806—INTEC Mixed Low-Level Waste			
	a	CTF or NNSS	Commercial Macroencapsulation
	b	SCDF	Disposal – Contact-Handled
ID-RWDP-RH—RH-TRU to be Treated at RWDP			
	a	RWDP	RH – Preparation/Treatment
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal – Remote-Handled
ID-SDS-MLLW—Non-Settlement Agreement, Non-TRU MLLW, Containers of Waste Debris with Sodium and Cadmium from SDS System			
	a	RWDP	Remote-Handled Waste Disposal Project
	b	LLW or NNSS	Disposal LLW
	c	SCDF	Disposal – Remote-Handled/Contact-Handled
	d	MLLW/CTF	Commercial Treatment Facility

Table 6-2. (continued).

STP ID/Name	Step	Facility Abbreviation	Unit Name
ID-SDS-TRU—TRU Waste from SDS Treatment			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal – Remote-Handled
ID-SDS-TRUa—TRU Waste from SDS Treatment			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal – Remote-Handled
ID-TEC-172Ta—INTEC TRU HEPA Filters			
	a	RH-TRU	
	b	CPP-659	Extraction – HEPA Filter Leach
	c	TRANS	Transportation – TRUPACT
	d	WIPP	Disposal – Remote-Handled
	a	RH-TRU	
	b	CPP-659	Extraction – HEPA Filter Leach
	c	Reclassified as LLW	Disposal – Remote-Handled or Contact-Handled
	a	Reclassified as MLLW-RH or CH	
	b	CTF	Commercial Treatment Facility
	c	SCDF	Disposal - Contact-Handled
ID-TEC-173—Sodium-Bearing Waste			
	a	IWTU	Treatment Facility
	b	TRANS	Transport – TBD
	c	TBD	Disposal – TBD
ID-TEC-174—High-Level Waste Calcine Solids			
	a	Calcine Disposition Facility	
	b	TRANS	Transport – HLW
	c	NHLWR	Disposal – HLW Repository
ID-TEC-175—INTEC Liquid Waste			
	a	IWTU	Treatment Facility
	b	TRANS	Transport – TBD
	c	TBD	Disposal – TBD

Table 6-2. (continued).

STP ID/Name	Step	Facility Abbreviation	Unit Name
ID-TEC-176—Steam Reformer Product			
	a	TBD	
	b	TRANS	Transport – TBD
	c	TBD	Disposal – TBD
ID-TEC-177 – Other IWTU Newly Generated Waste			
	a	TBD	
	b	TRANS	Transport – TBD
	c	TBD	Disposal – TBD
ID-TEC-670Ta—MTRU Laboratory Analytical Waste			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal – Contact-Handled
	d	CTF	Commercial Treatment Facility
ID-TEC-699Ta—Mixed TRU Waste from NWCF and CSSF			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	RWDP	Remote-Handled Waste Disposition Project
	c	TRANS	Transport – TRUPACT
	d	WIPP	Disposal – Remote-Handled
ID-TRU-RHMA—RH TRU Mixed Waste Generated from the RWDP Treatment Process			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B cask
	c	WIPP	Disposal – Remote-Handled
ID-TRU-RHNHa—RH TRU, Non-Hazardous Generated from RWDP Treatment			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B cask
	c	WIPP	Disposal – Remote-Handled
ID-WIPP-RH—RWDP Waste Waiting to be Certified to WIPP			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B cask
	c	WIPP	Disposal – Remote-Handled

Table 6-2. (continued).

STP ID/Name	Step	Facility Abbreviation	Unit Name
LEGACY-BN510.4—Supercompacted Legacy Debris			
	a	TRANS	Transport – TRUPACT
	b	WIPP	Disposal – Contact-Handled
	c	CTF or NNSS	Commercial Treatment Facility
LEGACY-SLUDGE—Legacy Sludge			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal – Contact-Handled
	d	CTF	Commercial Treatment Facility
LEGACY-SLUDGE REPACK—Repackaged Legacy Sludge			
	a	TRANS	Transport – TRUPACT
	b	WIPP	Disposal – Contact-Handled
	c	CTF	Commercial Treatment Facility
LEGACY-SOIL—Legacy Soil			
	a	TRANS	Transport – TRUPACT
	b	WIPP	Disposal – Contact-Handled
	c	CTF	Commercial Treatment Facility
LEGACY-UNCOMP DEBRIS—Uncompacted Legacy Debris			
	a	AMWTP/CTF or NNSS	Advanced Mixed Waste Treatment Project/Commercial Treatment
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal – Contact-Handled
Offsite Mixed Waste Treatment Plans			
NOTE: *INL did not receive any offsite waste during Fiscal Year 2025.*			
Los Alamos National Laboratory Waste			
LA-MHD01			
Treatment Plan for Offsite Waste Streams			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal – Contact-Handled