Idaho National Laboratory Site Treatment Plan

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INL-STP
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Idaho National Laboratory
Site Treatment Plan

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ABBREVIATIONS, INITALISMS, AND ACRONYMS

ACL	Analytical Chemistry Laboratory (ANL-W)
AMWTP	Advanced Mixed Waste Treatment Project
ANL-E	Argonne National Laboratory (Chicago)
ANL-W	Argonne National Laboratory-West
APS	Atmospheric Protection System
ARA	Auxiliary Reactor Area
ARG-W	DOE Chicago Argonne Group-West
ARMF	Advanced Reactivity Measurement Facility
ARP	Accelerated Retrieval Project
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	Code of Federal Regulations
CFRMF	Coupled Fast Reactivity Measurement Facility
CH	contact handled
CPP	Chemical Processing Plant
CSSF	Calcine Solids Storage Facility
CTF	Commercial Treatment Facility
D&D	decontamination and decommissioning
DEQ	Division of Environmental Quality
DOE	Department of Energy
DOE-CH	Department of Energy-Chicago Operations Office
DOE-HQ	Department of Energy-Headquarters
DOE-ID	Department of Energy Idaho Operations Office
DRC	Dispute Resolution Committee
DSSI	Diversified Scientific Services, Inc.
EDTA	ethylenediaminetetraacetic acid
EFL	estimated failure level
EM	Environmental Management
EPA	Environmental Protection Agency
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)
HIP	hot isostatic pressing
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
IDAPA	Idaho Administrative Procedures Act
IDHW	Idaho Department of Health and Welfare
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
LDR	land disposal restriction
LLM	low-level mixed
LLMW	low-level mixed waste
LLW	low-level waste
LSA	low specific activity (waste)
M&EC	Materials & Energy Corporation
MFC	Materials and Fuels Complex
MIS	Mare Island Naval Shipyard
MLLW	mixed low-level waste

MTR	Materials Test Reactor
MTRU	mixed transuranic (waste)
MW	mixed waste
MWSF	Mixed Waste Storage Facility
N/A	not applicable
NEPA	National Environmental Policy Act
NHLWR	National High-Level Waste Repository
NNSS	Nevada National Security Site
NRC	Nuclear Regulatory Commission
NRF	Naval Reactors Facility
NWCF	New Waste Calcining Facility
OMB	Office of Management and Budget
PCB	polychlorinated biphenyl
PESI	Perma-Fix Environmental Services, Inc.
PVC	polyvinyl chloride
PWTU	Portable Water Treatment Unit
Q	quarter
R&D	research and development
RCRA	Resource Conservation and Recovery Act
RE	Retrieval Enclosure
RH	remote handled
ROD	Record of Decision
RWDP	Remote-Handled Waste Disposition Project
SAPC	safe 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
TCLP	toxicity characteristic leaching procedure
TRA	Test Reactor Area
TRANS	Transport
TRU	transuranic (waste)
TRUPACT	transuranic package
TSA	Transuranic Storage Area
TSCA	Toxic Substances Control Act
TSDF	treatment, storage, and disposal facility
USC	United States Code
VOC	volatile organic compound
VOG	vessel off-gas
WAC	waste acceptance criteria
WCS	Waste Control Specialists, LLC
WERF	Waste Experimental Reduction Facility
WIPP	Waste Isolation Pilot Plant
WS	waste stream

NOMENCLATURE

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

IDAHO NATIONAL LABORATORY 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 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 Engineering Laboratory (INL) plan to the appropriate regulatory agency, the Idaho Department of Health and Welfare (IDHW), Division of Environmental Quality (DEQ), the FFC Act requires the DEQ to solicit and consider public comments, and approve, approve with modification, or disapprove the plan within six 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 mixed waste at INL, which identifies how DOE proposes to treat INL's mixed waste 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 mixed wastes currently in storage and to be generated or received in the future

1.3.3 Allowing for storage of current and projected covered LDR mixed wastes at the 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 mixed waste 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 LDR, 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, IDAPA 16.01.05.000 et seq., RCRA, and the EPA Rules and Regulations, 40 CFR Parts 124, 260 through 268, and 270.

Atomic Energy Act or AEA: The Atomic Energy Act of 1954, as amended, 42 U.S.C. § 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: Mixed waste covered by the STP, as described in Subsection 2.1 of the STP. The term includes new mixed waste streams included pursuant to the notice provision of Subsection 2.4 of the STP, entitled "Inclusion of New Mixed Waste Streams." The term does not include mixed waste 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.

Department or IDHW: The State of Idaho Department of Health and Welfare, successor agencies, employees, and authorized representatives.

Division of Environmental Quality or DEQ: The Idaho Department of Health and Welfare, Division of Environmental Quality, successor agencies, employees, and authorized representatives.

DOE: The United States Department of Energy, 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: The United States Environmental Protection Agency, including Region 10, and any of its successor agencies, employees, and authorized representatives.

Fiscal Year or FY: 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 or HLW: The term high-level waste or HLW shall have the meaning as set for high-level radioactive waste in DOE Order 435.1 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 waste and fission products at concentrations requiring permanent isolation.

HWMA: The Idaho Hazardous Waste Management Act of 1983, as amended, Idaho Code §§ 39-4401 to 4432 and its implementing rules in IDAPA 16.01.05.000 to .05.999.

INL: The Idaho National Engineering Laboratory, 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).

Land Disposal Restrictions or LDR: The limitations on land disposal and storage of waste set forth in IDAPA §§ 16.01.05.011 (RCRA, 42 U.S.C. § 6924; 40 C.F.R. Part 268).

LDR Mixed Waste: Mixed waste that is restricted from one or more methods of land disposal or storage under IDAPA § 16.01.05.011 (RCRA, 42 U.S.C. § 6924; 40 C.F.R. Part 268).

LDR Requirement or Standard: The level(s) or method(s) of treatment or management specified in IDAPA § 16.01.05.011 (40 C.F.R. Part 268) for a waste subject to the land disposal or storage restriction under Section 3004 of RCRA (42 U.S.C. 6924).

LDR Waste: Waste subject to the requirements of the land disposal and storage restrictions of IDAPA § 16.01.05.011 (40 C.F.R. Part 268).

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

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

Mixed Low-Level Waste or MLLW: The term mixed low-level waste or 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 U.S.C. § 2011 et seq.) and hazardous waste. The low-level radioactive waste component of the 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 high-level waste, transuranic waste, or spent nuclear fuel or 11e(2) by-product material as defined by this 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 transuranic is equal to or less than 100 nCi/g.") or any successor DOE orders or amendments.

New Mixed Waste Stream: Mixed waste 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.”

NEPA: The National Environmental Policy Act, 42 U.S.C. § 4321 et seq., the Council on Environmental Quality regulations implementing NEPA (40 C.F.R. parts 1500 - 1508), and the U.S. Department of Energy's rules and regulations implementing that statute (10 C.F.R. Part 1021).

Off-Site: Any facility or installation other than **INL**.

On-Site: The **INL**, as that term is defined in this definition section.

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

Project Manager: Any official designated pursuant to Section 2.10, "Project Manager," 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 mixed waste from the hazardous portion of the mixed waste and may include storage (not RCRA treatment) of mixed waste for the purposes of allowing for radioactive decay of the radioactive portion of the mixed waste to facilitate proper recovery, treatment, or disposal in compliance with RCRA Section 3004(j).

RCRA: The Resource Conservation and Recovery Act (the Solid Waste Disposal Act), 42 U.S.C. § 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 Federal Facility Compliance Act of 1992, Pub. L. No. 102–386, 106 Stat. 1505 (1992).

Site Treatment Plan or STP: This plan for developing mixed waste 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 U.S.C. § 6903(33)), 40 C.F.R. § 260.10, and IDAPA 16.01.05.000 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.

Transuranic Waste or TRU Waste: The term shall have the meaning set forth in Section 11(ee) of the Atomic Energy Act of 1954, as amended, 42 U.S.C. § 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.

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 mixed wastes at INL identified in Section 4 of the STP or added to the STP in accordance with Section 2.4, "Inclusion of New Mixed Waste Streams," set forth below, except those mixed wastes which meet regulatory requirements.

2.2 Compliance Schedules

2.2.1 The STP provides overall schedules for achieving compliance with LDR requirements for mixed wastes 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 Section 2.2.3. 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 Section 2.2.2.

2.2.1.3 Planning dates are estimated events beyond the DOE three-year budget cycle planning period. Planning dates are not enforceable requirements. Planning dates shall be converted to milestones

in accordance with Section 2.2.2. DOE may, by written notification to DEQ, extend a planning date up to a total of one year. Cumulative extensions of greater than one year to any planning date requires approval by the DEQ and are subject to the Revision procedures (Section 2.5) 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 three-year rolling period consisting of the current fiscal year (FY) plus two additional fiscal years (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 three-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 three-year period consisting of the current fiscal year plus two additional fiscal years (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 three-year period. Additionally, planning dates are established for the outlying fiscal years. Subsequently, after expiration of a fiscal year, FY+1 milestones shall be converted to current fiscal year 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 the 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, Section 2.14 (Modification), 2.5 (Revisions), or 2.6 (Extensions) within 45 days of DOE-ID, ARG-W, and IBO receiving their approved fiscal year 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 section precludes DOE from proposing or requesting changes to milestones or planning dates at other times. All proposed changes to milestones are subject to Section 2.8, "Funding," and where the Parties cannot agree, to Section 2.9, "Disputes."

2.2.2.2.2 In establishing and adjusting milestones and planning dates pursuant to this section, the following, at a minimum, will be considered: (a) funding availability as it is appropriated by Congress, and the amount of funds provided to the INL by DOE in its Approved Funding Programs for the current fiscal year for waste management activities and the President's budget for the next fiscal year (FY+1) and associated out-year funding targets for environmental management for the INL, (b) sitewide waste management priorities, (c) cost estimates, (d) new or emerging technologies, and (5) other new STP information.

2.2.2.2.3 Schedule dates shall be identified by reference to fiscal year 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 on-Site, the milestones and planning dates identified in Section 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 the 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 mixed wastes

2.2.3.2 Plan Where Technologies Must Be Developed [3021(b)(1)(B)(ii)]. For some mixed wastes 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 mixed waste. For these wastes which will be treated on-Site, the milestones and planning dates identified in Section 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 R&D (RD&D) 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.

1

2 ***2.2.3.3 Requirements Pertaining to Radionuclide Separation [RCRA***
3 ***Section 3021(b)(1)(B)(iii)].*** The FFC Act sets additional requirements in cases where DOE intends to
4 conduct radionuclide separation of mixed waste. No current plans exist to separately conduct radionuclide
5 separation of mixed wastes generated or stored at INL. Should DOE determine to conduct radionuclide
6 separation of such mixed wastes, DOE will provide for such wastes which will be treated on-Site those
7 milestones and planning date categories for submitting the required information as identified in Table 2-3,
8 "Schedule for Radionuclide Separation of Mixed Wastes," as follows:
9

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 On-Site Mixed Waste Streams to be Treated Off-Site. For on-Site mixed waste which will be treated off-Site, milestones and planning dates are identified in Section 5.3, "Schedules for Mixed Waste Streams Planned for Treatment Off-Site." The final enforceable milestone for waste treatment of such waste under the STP shall be shipment to an off-Site 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 off-Site to both DOE and commercial facilities for purposes of waste inventory review.

2.2.3.5 Plan for Mixed Waste Streams from Off-Site to be Treated On-Site. For mixed waste from off-Site DOE facilities to be treated at INL as identified in Section 4.4, milestones and planning dates are identified in Section 5. Off-Site waste shall not be stored or disposed at INL prior to or following treatment except as specifically approved by the 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 On-Site Mixed Transuranic Waste. For on-Site mixed transuranic waste, to be shipped to the Waste Isolation Pilot Plant (WIPP), the requirements, milestones, and planning dates are identified in Section 5.4, "Mixed Transuranic-Contaminated Waste Shipped to WIPP."

2.2.3.7 Plan for On-Site Mixed Wastes not Sufficiently Characterized to Allow Identification of Appropriate Treatment. For new on-Site mixed waste streams requiring characterization to identify

appropriate treatment milestones and planning dates, DOE shall submit a plan for characterization to the DEQ for approval. The characterization plans are in Section 5.

2.3 Quarterly Meetings, Annual STP 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 the 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 STP** By each November 15 after the fiscal year in which the STP is approved, the DOE shall submit an Annual Update to the STP to the DEQ. The Annual Update to the STP shall incorporate any covered waste volume changes, planning date extensions less than one year, approved milestone extensions less than one year, or Revisions to the STP over the previous fiscal year. Subsequent changes or Revisions to the STP during the current fiscal year shall be indexed on an STP errata sheet to be submitted by DOE to the DEQ at least quarterly.

2.3.4 At the same time and along with the Annual Update to the STP, DOE shall submit to the 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 the 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 mixed waste streams which are discovered, identified, generated on-Site, or to be received from off-Site, and mixed waste streams which are generated on-Site through environmental restoration to the extent such wastes are to become identified as a covered waste pursuant to Section 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 the DEQ as part of the Quarterly Meetings of new mixed waste streams which have been discovered, identified, or generated and stored on-Site, and mixed wastes anticipated to be generated and stored at INL, which are expected to be covered wastes. Unless and until the proposed waste treatment plan of Section 2.4.4 is disapproved by DEQ after exhaustion of disputes procedures or appeal under Section 2.9, the mixed waste 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 Section 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 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 Section 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 the DEQ for approval, approval with modification or disapproval under Section 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, "Covered Waste," 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 Section 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) extension to a milestone or planning date for a period greater than one year, or (c) 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 one 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 Section 2.13, “Submittal and Review of Deliverables.” 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 Section 2.9, “Disputes.” In reviewing the Proposed Revision, DEQ shall consider the need for regional treatment facilities. Conditional approval of a Revision is a determination by the 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, the 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 or approved with modification or disapproved by DEQ within six 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 Section 2.9, "Disputes," 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, the 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 one year upon receipt of a timely request for extension where good cause exists. Any request for an extension shall be made to the 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 Section 2.8, "Funding."

(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 the DEQ;

(f) Circumstances unforeseen at the time this STP was prepared that significantly affects 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 the DEQ as constituting good cause.

2.6.3 Absent agreement of the DOE and the 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, Section 2.9, "Disputes," whether or not good cause exists.

2.6.4 For extension requests by DOE, the procedures of Section 2.13, "Submittal and Review of Deliverables," shall apply. Pursuant to that provision, if the DEQ approves the requested extension, the affected milestone shall be extended accordingly up to one year. Requested extensions for more than one 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 the DEQ and DEQ's concurrence under 2.7.3 of the following:

(a) Completion of treatment pursuant to the STP;

(b) Shipment of such waste off-Site 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 the DEQ.

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

2.7.3 DOE will notify the DEQ of such satisfaction in writing pursuant to the Quarterly Meetings or Annual STP Reports. The DEQ shall approve or disapprove the notice in writing within 30 days. Any disapproval by DEQ shall be subject to the provisions of Section 2.9, “Disputes.”

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 Section 2.2.2, "Milestones and Planning Dates." 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 U.S.C. § 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 Section 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 Office of Management and Budget (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 environmental management funding target level for the 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 Environmental Management 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 - 2.8.5, and if appropriated funds allocated to INL for waste management activities by the DOE Assistant Secretary for Environmental Management 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 Section 2.9, "Disputes," 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 - 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 fiscal year shall not prejudice DOE's right to request adjustments to these milestones in subsequent fiscal years or to appeal any decision of the 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 mixed waste 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 mixed waste.

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 the DOE's obligation and to serve the 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 thirty (30)-day period, the written Statement of Dispute from the disputing Party (as described in Section 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 Section 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 Section 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 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 The DOE reserves the right to either accept the decision of the Administrator or to seek administrative or judicial review of the decision under the Idaho Administrative Procedure Act.

2.9.3.6 The 30-day review periods mentioned above in Sections 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 Argonne Group - West or the Idaho Branch Office - Naval Reactors, 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's 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 the 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 the 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 assuring that all communications from the other Project Manager 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 Section 2.3.2) to discuss progress and problems relating to all work under the STP. As a requirement of the agenda for each meeting, the 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 the 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 fourteen 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 Manager's Quarterly Meeting Minutes shall be prepared by DOE and submitted to DEQ.

2.10.4 It is the intent of the 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 Health and Welfare
Division 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 DOE's NEPA Review and FFC 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 the National Environmental Policy Act (NEPA) and its implementing regulations. The 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 the DEQ deliverables required by this Consent Order under this Section 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 one 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 one year, treatment plans for new waste streams, notices of completion of milestones, notices of satisfaction under Section 2.7, 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 The 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, the 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 the DEQ for review and comment. In the event that DOE disagrees with the DEQ's comments, DOE shall respond to the DEQ's comments in writing explaining the DOE's position. If DOE has not received comments from the DEQ within 30 days of submittal of the deliverable, it will be deemed that the 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 Section 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 The DEQ shall, within 30 days of receipt, take action as follows: (1) approve or 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 Section 2.5, "Revisions." For proposed Revisions that are conditionally approved with modification or disapproved, DOE may invoke dispute resolution as provided in Section 2.9. The DEQ may extend the review period of this section by an additional 30 days by notifying the 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, the DEQ shall provide a copy of the cited authority or reference.

2.13.5.2 If the 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 Section 2.9. If the 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 the 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 the 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 the DEQ's comments and the parties are unable to resolve their disagreement, DOE may invoke the dispute resolution provisions of Section 2.9, "Disputes."

2.13.5.4 The Project Manager's 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 through 6 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 Section 2.13, "Submittal and Review of Deliverables." 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 Section 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 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. INL TREATMENT FACILITIES

This section discusses the existing, planned, or commercial facilities, or other off-Site facilities for the treatment of mixed waste. Mixed waste 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 INL Treatment Facility Status

Table 3-1 identifies each of the INL facilities designated to treat mixed waste. 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 430.1B. An explanation of the status of facilities that may be used in Table 3-1 follows:

- **Existing, Operating, Treating Mixed Waste—**Existing system is currently operating and treating mixed wastes.

- **Existing, Planned to Treat Mixed Waste—**Existing system is not currently treating mixed waste streams. The system may be treating other waste (low-level, hazardous, sanitary, etc.) 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 the 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. INL Treatment Facilities.

Facility	System	Handling *	HLW *	TRU *	LLW *	Facility Status
Advanced Mixed Waste Treatment Project	CH TRU/MLLW Treatment Unit	CH	N	Y	Y	Existing, operating
INTEC 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	SBW Treatment Facility	B	N	Y	Y	Existing, DOE approved, surrogate testing
Calcine Disposition Facility	Calcine Disposition Facility	B	Y	Y	Y	Planned, DOE 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	B	N	Y	Y	Existing, operating
Debris Treatment and Containment Storage Building (CPP-659)	Decontamination	CH	N	Y	Y	Existing, operating
ARP VII Debris Repackaging Facility	Sort, Segregate, Absorption, Examination	CH	N	Y	Y	Existing, operating
Radioactive Mixed Waste Staging Facility (CPP-2725 and CPP-1617)	Macroencapsulation	B	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
Y = Yes
N = No

3.2 Description of Facilities Identified to Treat MLLW

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

3.2.1 Commercial Treatment Facilities

3.2.1.1 Waste Treatment Vendors and Treatment Capabilities.

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

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

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

- Perma-Fix Northwest is located in Richland, Washington. It is a mixed waste processing facility providing comprehensive LLW and MLLW waste 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 off-Site generators as well as self-generated materials.

- Materials & Energy Corporation (M&EC) is located in Oak Ridge, Tennessee. M&EC has the capability to treat a wide variety of mixed waste. Six treatment processes are available to treat both organic and inorganic mixed waste to meet LDR criteria.

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 the EPA to store and dispose of Toxic Substances Control Act (TSCA) waste. WCS services include volume reduction, stabilization, macroencapsulation, and direct disposal of LLW and MLLW. WCS is not permitted for thermal treatment or treatment for 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 transuranic (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 NRC Agreement State Radioactive Materials License and a RCRA Part B permit. Energy Solutions accepts LLW and MLLW waste for disposal. Treatment facilities are also in operation for the RCRA treatment of solid and liquid MLLW prior to disposal. Current mixed waste 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 a 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 Off-Site Disposal Facilities

Nevada National Security Site (NNSS)—The Mixed Waste Disposal Unit is located at the Nevada National Security Site Area 5 Radioactive Waste Management Site. The Mixed Waste 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

The debris treatment processes are RCRA-permitted treatment units comprised of sinks (with hoods), portable soak tanks, ultrasonic cleaner, decontamination cubicles, steam spray booth, and 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, which 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 the Idaho Nuclear Technology and Engineering Center's (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, CPP-1617)

The Remote-Handled (RH) 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 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 Sodium Components Maintenance Shop (MFC-793)

The Sodium Components Maintenance Shop (SCMS) is an existing, operating mixed waste treatment facility located at the Materials and Fuels Complex (MFC) on the 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 mixed waste.

The SCMS is a unique facility at the INL that is capable of treating and storing uniquely configured containers of ignitable, corrosive, reactive, and toxic metal-contaminated mixed waste. 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.

3.2.7 Advanced Mixed Waste Treatment Project

AMWTP currently performs on-site 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 High Modulus Polymeric Packaging System (HMPPS) macroencapsulation for drums and boxed waste. The HMPPS is made from high-strength HDPE and polypropylene specially formulated to resist contaminants and leachate. It consists of a zippered inner bag, a PVC-coated nylon middle liner, and a zippered outer shell.

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

The INTEC Radioactive Mixed Waste 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 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).

3.2.9 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.

3.3 Description of Facilities Required to Treat the Mixed Transuranic-Contaminated Waste at the INL

Mixed transuranic (MTRU) waste contains more than 100 nCi of alpha-emitting transuranic isotopes per gram of waste with half-lives greater than 20 years. Alpha-contaminated mixed low-level waste (α-MLLW) contains between 10 and 100 nCi of alpha-emitting transuranic 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 the INL and generally plans to treat and/or repackage wastes at the 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 and the Accelerated Retrieval Project VII (ARP VII). RH MTRU waste will be treated and managed in existing facilities at INTEC by the 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 transuranic 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 Section 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 Section 5.4, infra.

3.3.1 Remote-Handled Waste Disposition Project

The 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 is contaminated with 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 Transuranic Storage Area (TSA) waste for shipment and to produce final waste forms that are certified for disposal at WIPP. The AMWTP is designed to process approximately 65,000 m^3 of primarily MLLW and TRU CH mixed waste and radioactive waste from the TSA. The original volume of TRU-contaminated mixed waste is listed in Table 4-2. Section 4.2 also includes the volume of this waste that has been processed to meet the requirement of Section 5.4. The TSA-stored 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 Section 5.4.[b]

3.3.3 ARP V Sludge Repackaging Facility

Through April 11, 2018, the ARP V Sludge Repackaging Facility (ARP V) managed sludge waste drums and boxes from the AMWTP. The sludge waste included various organic and inorganic waste streams. The ARP V processed the waste at WMF-1617 by opening the drums, emptying the contents onto a sorting tray or table, sorting and segregating the waste by removing any prohibited items, adding absorbent to any liquids, performing certified visual examination, performing any required characterization, and repackaging the waste to meet the WIPP WAC. The facility also stored the waste after processing pending transfer back to AMWTP.

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b. See footnote g in Section 5.4, infra.

On April 11, 2018, an incident occurred following processing of sludge waste in WMF-1617. The event resulted in over-pressurization and lid ejection from four 55-gal drums and subsequent energetic release of radioactive material within WMF-1617. The released material was subsequently removed from the facility, including decontamination of areas contaminated by the release, and the facility is planned for RCRA closure. Sludge processing activities previously performed in WMF-1617 will be performed in WMF-1619.

3.3.4 ARP VII Sludge and Debris Repackaging Facility (WMF-1619)

Until mid-2019, WMF-1619 has been used to manage debris waste boxes from the AMWTP. The boxed waste includes various large debris that cannot be handled effectively at AMWTP. The debris repackaging facilities process the waste at WMF-1619 by opening the boxes, removing the container from around the debris waste, segregating/sorting the loose debris into separate waste boxes, opening/crushing inner containers with liquid content, adding absorbent to liquids with the absorbed material being placed into the boxes of repackaged loose debris, segregating WIPP-prohibited items, and sizing waste to fit into containers. In addition, the large debris items may be decontaminated by operations personnel in personal protective equipment followed by absorption of any decontamination fluids. All waste processing activities are performed in secondary containment pans located within WMF-1619. The facility also stages and stores the waste before and after processing, pending transfer back to AMWTP.

Although still permitted to process boxed debris waste, WMF-1619 was permitted in the fall of 2019 to replace WMF-1617 as the location for processing sludge containers in the same manner as described in Section 3.3.3 for WMF-1617.

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

The INL currently manages both calcine solids and sodium-bearing waste (SBW). The calcine solids are considered to be mixed high-level waste (HLW). The SBW 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 (ROD), DOE decided to treat SBW 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 the SBW at INTEC is pretreatment in the evaporator tank system and final treatment in the Integrated Waste Treatment Unit (IWTU) followed by disposal at an off-Site facility. The SBW may be further treated via the hot isostatic pressing (HIP) treatment process if required to support off-Site disposal.

The current treatment plan for calcine solids is a calcine disposition facility that will include, at a minimum, retrieval from the bin sets, HIP treatment, and repackaging capabilities. The packaged calcine will be stored on-Site pending shipment.

3.4.1 Calcine Disposition Facility

The Calcine Disposition Facility will use the HIP treatment process. The HIP processes the highly radioactive solid-granule calcine with additives that will convert the waste to a monolithic, glass-ceramic waste form that can meet the most stringent standards of the *Civilian Radioactive Waste Management System - Waste Acceptance System Requirements Document* (WASRD) (DOE/RW-0351).

A petition to develop an LDR Treatment Standard for the HIP waste form under RCRA regulation is being pursued. This will allow storage of the waste form at a RCRA-regulated interim storage facility or monitored geologic repository.

The selection of HIP completes the proposed 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:

- Prepare and treat the mixed HLW calcine solids with the HIP so they will be suitable for disposal in a repository
- Treat and dispose of associated radioactive wastes
- Provide safe storage of HLW calcine destined for a repository
- Provide the capabilities for retrieval, packaging, and shipment of calcine solids from the Calcined Solids Storage Facility (CSSF).

3.4.2 Sodium-Bearing Waste Treatment Facility

The Sodium-Bearing Waste Treatment Facility, called the Integrated Waste Treatment Unit (IWTU), is currently undergoing surrogate testing. The IWTU will be used for the processing of liquids and associated solids SBW at INTEC into solid forms 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 ROD. If additional treatment is required to support off-Site disposal, then the HIP treatment process will be used.

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4. COVERED WASTE

This STP covers mixed waste stored, generated at, or shipped to the INL. This section of the STP identifies those mixed wastes, both on-Site and off-Site, that are intended to be treated at the INL. Mixed waste treated at the INL may include low-level, TRU-contaminated waste, calcine solids, and SBW. Not all mixed waste at the INL is included in this STP. Newly generated mixed waste that is treated within one year, consistent with current RCRA regulations, is not required to be covered by this STP. If a waste will not be treated within the one-year time period, that waste is then added to the STP by the provision found in Section 2.4, "Inclusion of New Mixed Waste Streams."

4.1 Mixed Low-Level Waste Streams

For purposes of the STP, MLLW is (a) mixed waste that is not HLW and (b) mixed waste that contains 100 nCi/g or less of waste of alpha-emitting transuranic 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 transuranic contamination between 10 and 100 nCi/g of waste) was managed as MTRU waste and is covered in Section 4.2 and listed in Table 4-2. However, since 1999 when DOE Order 435.1, "Radioactive Waste Management," was finalized, DOE no longer uses the designation α-MLLW for MLLW with transuranic 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 transuranic 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 Section 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	12.687	0.00
CH-ANL-180RH	Sodium MLLW Remote Handled	40.422	0.00
CH-ANL-182CH	Sodium Potassium NaK Contact Handled	2.033	0.00
CH-ANL-182RH	Sodium Potassium NaK Remote Handled	0.500	0.00
CH-ANL-716CH	MLLW Contact Handled	0.000	0.00
CH-ANL-716RH	MLLW Remote Handled	1.700	0.00
ID-AMWTP-100	Mixed Waste Incidental to Processing	3.398	50.00
ID-INL-803	Aerosol Waste	0.000	0.00
ID-INL-804	TSCA Waste	0.000	0.00
ID-INL-806	INTEC Mixed Low-Level Waste	1.320	1.10
ID-SDS-MLLW	Non-Settlement Agreement, Non-TRU MLLW, Containers of Waste and Debris with Sodium and Cadmium from SDS System	5.158	0.57
ID-TEC-175	INTEC Liquid Waste	49.584	5.7
NR-NRF-673	Heavy Metal Debris	0.000	0.00
	Total	**116.802**	**57.37**

4.2 Transuranic-Contaminated Waste Streams

The waste streams in Section 4.2, "Transuranic-Contaminated Waste Streams," are the original TRU-contaminated waste streams (i.e., waste stored as TRU at the time the Idaho Settlement Agreement and Consent Order were signed and approved by the court on October 17, 1995). These streams included both MTRU and α-MLLW. MTRU is mixed waste that contains more than 100 nCi of alpha-emitting transuranic isotopes per gram of waste with half-lives greater than 20 years. Alpha-contaminated mixed low-level waste (α-MLLW) is mixed waste containing between 10 and 100 nCi of alpha-emitting transuranic 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 the INL and generally plans to treat and/or repackage wastes at the 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 (TSDF) WAC as presented in the WIPP Hazardous Waste Facility Permit. As a result, DOE is currently 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 Section 5.4.[e]

Table 4-2 lists all of the MTRU-contaminated waste streams subject to this STP that are also subject to the Settlement Agreement and Consent Order (referenced in STP, Section 2.14, hereinafter "Settlement Agreement") requirement that DOE ship the waste out of the State of Idaho by December 31, 2018. The first two sections of this table list the MTRU waste streams managed by the AMWTP. After retrieval from the AMWTP TSA-RE, waste streams remaining to be treated at the AMWTP, the ARP V/VII Sludge and Debris Repackaging Facilities, and the RWDP often cannot be differentiated one from another. This waste is segregated after retrieval for further characterization, treatment, and ultimate disposal at WIPP into two main waste categories: debris, and solids/soil as shown in the first column of Table 4-2. The total in Summary Table 4-2 represents the original TRU-contaminated waste volume.

Summary Table 4-2 summarizes the progress to-date in managing these waste streams for disposal off-Site and at WIPP. MTRU waste generated after the date of execution of the Settlement Agreement is included in Section 4.2a.

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d. As described in Section 4.1, 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 4.2 and 5.4, infra.

e. See footnote g in Section 5.4, infra.

In managing the TRU-contaminated waste streams, much of the waste is required to be retrieved from an above-ground, covered waste area, called the Transuranic Storage Area-Retrieval Enclosure (TSA-RE), at the AMWTP. Waste is also treated at the AMWTP, the ARP V/VII Sludge and Debris Repackaging Facilities, and the RWDP. If additional treatment is necessary to meet LDR requirements for α-MLLW, appropriate amendments will be made to this STP. PCB-contaminated TRU-contaminated waste will meet TSCA requirements identified in the WIPP WAC. The mixed RH-TRU-contaminated waste will be managed by the RWDP for disposal to WIPP, and the mixed CH-TRU-contaminated waste will be managed by the AMWTP for disposal to WIPP.

As of February 21, 2017, all of the "original volume" TRU waste stored at the time of the Idaho Settlement Agreement and Consent Order was retrieved. The estimated volume of "original volume" of TRU was approximately 65,000 m^3, as presented in Table 4-2 and the final volume retrieved was 66,400 m^3. Future reporting will be based on the final retrieved volume processed at the INL and will be documented in Summary Table 4-2. Table 4-2 will remain for documenting historical progress against the "original volume."

Table 4-2. Transuranic-Contaminated Waste Streams Designated for WIPP.

Waste Category	STP ID	Waste Stream Name	STP ID Total (m^3)	Deleted Waste Streams
AMWTP-MANAGED TRU WASTE STREAMS—DEBRIS				
Debris	BN510	BOX AND BIN VOLUME	34,422.78	
Debris	CH-ANL-505T	ALHC UPGRADE DECON DEBRIS	0.63	
Debris	ID-AEO-100T	GENERAL PLANT WASTE	20.40	
Debris	ID-AEO-101T	CUT UP GLOVEBOXES	0.00	X
Debris	ID-AEO-106T	SPECIAL SOURCE MATERIAL	0.21	
Debris	ID-AEO-107T	REMOTE-HANDLED WASTE	24.74	
Debris	ID-AEO-110T	RESEARCH GENERATED WASTE COMPACTIBLE & C	0.42	
Debris	ID-AEO-120T	COMPACTIBLE AND COMBUSTIBLE WASTE	0.42	
Debris	ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE	1.06	
Debris	ID-ANL-162T	ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS R	10.58	
Debris	ID-ANL-163T	ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS	1.27	X
Debris	ID-BCO-201T	NONCOMBUSTIBLE SOLIDS	8.90	
Debris	ID-BCO-202T	COMBUSTIBLE SOLIDS	0.64	
Debris	ID-BCO-203T	PAPER, METALS, GLASS	5.51	
Debris	ID-BTO-010T	RAGS, GLOVES, POLY	199.28	
Debris	ID-BTO-020T	NONCOMPRESSIBLE, NONCOMBUSTIBLE	168.33	
Debris	ID-BWX-500T	BABCOCK AND WILCOX	15.58	
Debris	ID-INL-150T	LABORATORY WASTE	31.09	
Debris	ID-INL-155T	SCRAP	3.60	
Debris	ID-INL-157T	MISCELLANEOUS SOURCES	3.82	
Debris	ID-MCO-500T	MONSANTO DAYTON LABORATORY WASTE	19.83	
Debris	ID-MDO-801T	RAGS, PAPER, WOOD, ETC.	7.42	
Debris	ID-MDO-802T	DRY BOX GLOVES AND O-RINGS	25.65	
Debris	ID-MDO-803T	METAL, EQUIPMENT, PIPES, VALVES, ETC.	38.16	
Debris	ID-MDO-805T	ASBESTOS FILTERS	8.06	

Table 4-2. (continued).

Waste Category	STP ID	Waste Stream Name	STP ID Total (m^3)	Deleted Waste Streams
Debris	ID-MDO-810T	GLASS, FLASKS, SAMPLE VIALS, ETC.	2.76	
Debris	ID-MDO-813T	GLASS FILTERS AND FIBERGLASS	0.64	
Debris	ID-MDO-814T	CONTAMINATED MERCURY OR GRAPHITE CRUCIBL	0.42	
Debris	ID-MDO-815T	CLASSIFIED PARTS	0.42	
Debris	ID-MDO-824T	NONCOMBUSTIBLE EQUIPMENT BOXES	0.00	X
Debris	ID-MDO-826T	COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE	1.06	
Debris	ID-MDO-827T	COMBUSTIBLE EQUIPMENT DRUMS	1.91	
Debris	ID-MDO-847T	LSA < 100 nCi/g COMBUSTIBLE	157.09	
Debris	ID-MDO-848T	LSA < 100 nCi/g NONCOMBUSTIBLE	28.41	
Debris	ID-MXA-142	MEXICAN AMERICIUM	55.88	
Debris	ID-OFS-121T	DECONTAMINATION AND DECOMMISSIONING WASTE	0.21	
65% Debris	ID-RFO-000T	NOT RECORDED - UNKNOWN	2,615.85	
Debris	ID-RFO-116T	COMBUSTIBLE WASTE	0.85	
Debris	ID-RFO-117T	METAL WASTE	35.17	
Debris	ID-RFO-118T	GLASS WASTE	16.12	
Debris	ID-RFO-119T	HEPA FILTER WASTE	65.51	
Debris	ID-RFO-122T	INORGANIC SOLID WASTE	30.53	
Debris	ID-RFO-123T	LEADED RUBBER	65.93	
Debris	ID-RFO-241T	AMERICIUM PROCESS RESIDUE	25.23	
Debris	ID-RFO-300T	GRAPHITE MOLDS	410.22	X
Debris	ID-RFO-301T	GRAPHITE CORES	7.63	
Debris	ID-RFO-302T	BENELEX AND PLEXIGLASS	4.66	
Debris	ID-RFO-312T	COARSE GRAPHITE	1.91	
Debris	ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL	96.88	
Debris	ID-RFO-328T	FULFLO INCINERATOR FILTERS	1.70	
Debris	ID-RFO-330T	DRY PAPER AND RAGS	1,085.86	
Debris	ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS	27.54	
Debris	ID-RFO-336T	MOIST PAPER AND RAGS	1,584.06	
Debris	ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC	488.45	
Debris	ID-RFO-338T	INSULATION AND CHEMICAL WARFARE SERVICE	53.64	
Debris	ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS	152.43	
Debris	ID-RFO-360T	INSULATION	50.67	
Debris	ID-RFO-371T	FIREBRICK	218.78	
Debris	ID-RFO-374T	BLACKTOP, CONCRETE, DIRT AND SAND	269.03	
Debris	ID-RFO-376T	CEMENTED INSULATION FILTER MEDIA	532.76	
Debris	ID-RFO-430T	UNLEACHED ION COLUMN RESIN	6.15	
Debris	ID-RFO-431T	LEACHED RESIN	1.27	
Debris	ID-RFO-440T	GLASS	301.89	
Debris	ID-RFO-441T	UNLEACHED RASHIG RINGS	333.69	
Debris	ID-RFO-442T	LEACHED RASHIG RINGS	261.82	
Debris	ID-RFO-460T	WASHABLES, RUBBER, PLASTICS	1.27	
Debris	ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS	11.24	
Debris	ID-RFO-464T	BENELEX AND PLEXIGLASS	9.96	
Debris	ID-RFO-480T	NONSPECIAL SOURCE METAL	541.66	
Debris	ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL	189.10	
Debris	ID-RFO-490T	CHEMICAL WARFARE SERVICE FILTERS	16.11	
Debris	ID-RFO-900T	LOW SPECIFIC ACTIVITY PLASTICS, PAPER, E	74.20	
Debris	ID-RFO-950T	LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.	23.32	

Table 4-2. (continued).

Waste Category	STP ID	Waste Stream Name	STP ID Total (m^3)	Deleted Waste Streams
Debris	ID-RFO-970T	WOOD	4.66	
65% Debris	ID-RFO-9999T	PRE-73 DRUMS	4,865.99	
Debris	ID-TAN-200T	AMERICIUM SOURCES	0.21	X
Debris	ID-TEC-156	CHEM CELL RIP-OUT	28.53	X
Debris	ID-TEC-172	HEPA FILTERS	27.91	X
Debris	ID-TEC-699T	MIXED TRU WASTE FROM NWCF AND CSSF	2.7563	
		TOTAL DEBRIS	**49,810.33**	
AMWTP-MANAGED TRU WASTE STREAMS—SOLIDS/SOIL				
Solids/Soil	ID-AEO-102T	ABSORBED LIQUIDS	22.26	
Solids/Soil	ID-AEO-105T	EMPTY BOTTLES AND ABSORBENTS	1.48	
Solids/Soil	ID-BCO-204T	SOLIDIFIED SOLUTIONS	1.48	
Solids/Soil	ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.	9.96	
Solids/Soil	ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.	36.46	
Solids/Soil	ID-MDO-811T	EVAPORATOR AND DISSOLVER SLUDGE	0.85	
Solids/Soil	ID-MDO-834T	HIGH-LEVEL ACID	191.01	
Solids/Soil	ID-MDO-835T	HIGH-LEVEL CAUSTIC	355.10	
Solids/Soil	ID-MDO-836T	HIGH-LEVEL SLUDGE/CEMENT	885.74	
Solids/Soil	ID-MDO-838	<10 nCi/g NONCOMBUSTIBLE	0.21	
Solids/Soil	ID-MDO-842T	CONTAMINATED SOIL	0.00	X
Solids/Soil	ID-OFS-111T	RESEARCH GENERATED WASTE NONCOMPACTIBLE	832.52	
35% Solids/Soil	ID-RFO-000T	NOT RECORDED - UNKNOWN	1,408.54	
Solids/Soil	ID-RFO-001T	FIRST STAGE SLUDGE	2,567.90	
Solids/Soil	ID-RFO-002T	SECOND STAGE SLUDGE	1,639.18	
Solids/Soil	ID-RFO-003T	ORGANIC SETUPS, OIL SOLIDS	1,533.18	
Solids/Soil	ID-RFO-004T	SPECIAL SETUPS (CEMENT)	327.54	
Solids/Soil	ID-RFO-005T	EVAPORATOR SALTS	11.02	
Solids/Soil	ID-RFO-007T	BLDG 374 DRY SLUDGE	923.47	
Solids/Soil	ID-RFO-090	DIRT	28.62	
Solids/Soil	ID-RFO-112T	SOLIDIFIED ORGANICS	169.18	
Solids/Soil	ID-RFO-113T	SOLID LAB WASTE	16.96	
Solids/Soil	ID-RFO-114T	SOLIDIFIED PROCESS SOLIDS	74.84	
Solids/Soil	ID-RFO-290	FILTER SLUDGE	0.21	
Solids/Soil	ID-RFO-292T	CEMENTED SLUDGE	115.33	
Solids/Soil	ID-RFO-375T	OIL-DRI RESIDUE FROM INCINERATOR	4.03	
Solids/Soil	ID-RFO-409T	MOLTEN SALTS – 30% UNPULVERIZED	6.57	
Solids/Soil	ID-RFO-414T	DIRECT OXIDE REDUCTION SALT	1.06	
Solids/Soil	ID-RFO-432T	LEACHED AND CEMENTED RESIN	60.42	
Solids/Soil	ID-RFO-700T	ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM	1.91	
Solids/Soil	ID-RFO-976T	BLDG 776 PROCESS SLUDGE	1.48	
Solids/Soil	ID-RFO-978T	LAUNDRY SLUDGE	0.00	X
Solids/Soil	ID-RFO-980T	FILTER SLUDGE	0.21	
Solids/Soil	ID-RFO-990T	DIRT	99.64	
35% Solids/Soil	ID-RFO-9999T	PRE-73 DRUMS	2,620.15	
Solids/Soil	ID-TEC-151T	SOLIDIFIED FUEL SLUDGE	0.23	X
Solids/Soil	ID-TRA-291T	TRU HEAVY METAL SLUDGE	2.54	X
		TOTAL SOLIDS/SOIL	**13,951.28**	

Table 4-2. (continued).

Waste Category	STP ID	Waste Stream Name	STP ID Total Remaining FY-19 (m^3)
RWDP MANAGED MIXED-TRU AND TRU WASTE STREAMS			
NA	CH-ANL-180T	SODIUM – TRU	0.442
NA	CH-ANL-241T	TRU-CD-HOT CELL WASTE	0.110
NA	ID-RWDP-RH	WASTE TO BE PROCESSED BY RWDP	2.130
NA	ID-SDS-TRU	TRU WASTE FROM SDS TREATMENT	10.374
NA	ID-TRU-RHNH	RH TRU, NON-HAZARDOUS WASTE GENERATED FROM RWDP TREATMENT	0.228

Summary Table 4-2

STP ID	Waste Stream Name	STP ID Total (m^3)	Processed Total (m^3)
RWDP AND AMWTP MANAGED MIXED-TRU AND TRU WASTE STREAMS SUMMARY			
AMWTP MANAGED WASTE STREAMS TOTALS	DEBRIS/SOLIDS AND SOILS	66,400	61,322
RWDP MANAGED WASTE STREAMS TOTALS	VARIOUS (see Table 4-2 continued above)	13.284	0
	Totals	66,414.330	61,322

NOTE: *The original volume of TRU-contaminated waste processed to the end of FY 2019 is 61,322 m^3. The volume of 61,322 m^3 includes 5,632 m^3 processed from 1999 to 2005 and 55,690.611 m^3 processed since the beginning of FY 2006. Commencing in FY 2006, DOE agreed to process a cumulative average of 4,500 m^3 of original volume of TRU-contaminated waste per year (i.e., waste listed on Table 4-2), through the Advanced Mixed Waste Treatment Project or other facilities (see Section 5-4, "Mixed Transuranic-Contaminated Waste Shipped to WIPP"). The cumulative total of the yearly milestone from 2006 through FY 2018 equals 58,500 m^3.*

4.2a Newly Generated Transuranic-Contaminated Waste Streams

The waste streams covered by this Section 4.2a consist of newly generated MTRU waste (i.e., MTRU generated after the effective date of the Settlement Agreement and Consent Order) and are listed in Table 4-2a. Newly generated MTRU wastes may result from such INL operations 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 mixed wastes that contain more than 100 nCi of alpha-emitting transuranic 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 Section 5.4a after DOE has processed all of the 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, it will identify and track the waste in accordance with Section 5.4a.

The proposed INL facilities to treat MTRU-contaminated waste in Table 4-2a are identical to those listed in Section 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 WIPP.

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 REMOTE HANDLED TO BE WIPP CERTIFIED IN CPP-659	1.040	2.50
CH-ANL-241Ta1	MTRU REMOTE HANDLED TO BE REPACKAGED IN CPP-666	1.100	0.00
CH-ANL-505Ta	MTRU CONTACT HANDLED	0.416	1.04
ID-AMWTP-100Ta	MTRU INCIDENTAL TO PROCESSING	140.032	140.00
ID-SDS-TRUa	TRU WASTE FROM SDS TREATMENT	0.684	TBD
ID-TEC-172Ta	MIXED TRU HEPA FILTERS	1.586	1.00

Table 4-2a. (continued).

STP ID	Waste Stream Name	STP Total (m^3)	Five-Year Generation (m^3)
ID-TEC-670Ta	MTRU LABORATORY ANALYTICAL WASTE	7.632	0.00
ID-TEC-699Ta	MIXED TRU WASTE FROM NWCF AND CSSF	0.320	0.00
ID-TRU-RHMa	RH TRU MIIXED WASTE GENERATED FROM RWDP TREATMENT PROCESS	0.342	0.342
ID-TRU-RHNHa	RH TRU, NON-HAZARDOUS GENERATED FROM RWDP TREATMENT PROCESS	2.510	0.00
	Total	**155.776**	**143.842**

4.3 Calcine and Sodium-Bearing Waste

The INL manages both calcine solids and SBW. These waste streams are listed in Table 4-3. The calcine solids are considered HLW. The DOE is evaluating the disposition path for SBW at this time. Until such time as the regulatory approvals are obtained and a determination is made, the 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 (SBW).

Waste Stream ID	Waste Stream Name	Current Storage Volume (m^3)	Five-Year Generation (m^3)
ID-TEC-173	Sodium-Bearing Waste	3,232.01	0.00
ID-TEC-174	High-Level Waste Calcine Solids	4,386.00	0.00
ID-TEC-176	IWTU Steam Reform Product	0.00	1,078.00
	Total	**7,618.01**	**1,078.00**

4.4 Off-Site Mixed Waste Streams Identified for Treatment by the INL

This section presents mixed waste stream information for wastes generated off-Site, which DOE proposes to ship and treat pursuant to Sections 2.2.3.5 and 2.4 of the INL STP.

Information presented in this section is subject to change, as more information from off-Site sources becomes available.

Table 4-4 presents the name of the generating and/or shipping site, the Mixed Waste Inventory Report identification number, the waste stream name, the current stored volume, the projected five-year shipment volume, and the date the applicable waste treatment plan was approved by DEQ pursuant to Section 2.4.4.

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

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

Table 4-4. Off-Site Waste Streams Identified for Treatment at the INL.

Waste Stream ID	Waste Stream Name	Received into Storage at INL m^3 (gross)	Received into Storage at INL m^3 (net)	Shipped Off-Site (m^3)	Future Generated Volume (m^3/5 yr)	Storage Approval Date	Volume Approved for Storage
Site Name: Argonne National Laboratory – East							
INL AECHHM	Lot 2 Sludge	0.424	0.424	0.424	30.576	24-Apr-13	31
INL AECHDM	Debris	8.056	8.056	8.056	22.944	24-Apr-13	31
	Subtotal:	8.480	8.480	8.480	53.52		62
Site Name: Los Alamos National Laboratory							
LA-MHD01.001	Heterogeneous Debris	2.56	2.56	2.56	0	24-Jul-13	2.56
LA-MHD03.001	Heterogeneous Debris				2.56	24-Jul-13	2.56
LA-MHD04.001	Heterogeneous Debris	20.480	20.480	20.480	28.16	24-Jul-13	48.64
LA-MHD09.001	Heterogeneous Debris	2.560	2.560	2.560	5.12	24-Jul-13	7.68
	Subtotal	25.600	25.600	25.600	35.84		61.44

4.5 Pre- and Post-Treatment/Storage of Off-Site Mixed Waste

This section details the process that will be followed for tracking INL storage of off-Site mixed waste listed in Table 4-4 of the INL STP.

Pursuant to Section 2.2.3.5 of the INL STP, approval by DEQ for up to six months pre- and post-treatment storage of off-Site mixed waste listed in Table 4-4 of the STP is granted when the treatment plans are approved by DEQ pursuant to Section 2.4. The approval date for each off-Site waste stream is listed in Table 4-4. For purposes of defining the end of the first six months and beginning of the second six 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 (sizing, repackaging, blending, etc.) 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.

Off-Site waste storage for greater than six months, pre- and post-treatment storage at the 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 of the proposed schedule for receipt and completion of the primary treatment of off-Site mixed waste, and shipment of the treated waste and waste treatment residues off-Site at the quarterly meeting or, if necessary, no later than one 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 off-Site mixed waste is received at the INL, when the primary treatment step listed in Table 6-2 is complete, and when the waste and treatment residues are shipped off-Site. This oral notification will be made within two 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 off-Site, 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 five 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 off-Site mixed waste, which is in Table 4-4 of the INL STP, that requires greater than six month pre- and post-treatment storage at the INL, approval by DEQ of the proposed schedule will be obtained under 2.2.3.5 of the INL STP on a 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. Off-Site Mixed Waste Streams Approved for Pre- and Post-Treatment Storage.

	Waste Stream ID	Site Name	Waste Requires > Six Months Pre- and/or Post-Treatment Storage	Date Received	Date of Primary Treatment or Sampling, etc.	Date Treated Wastes and/or Treatment Residues Shipped Off-Site
				P = Proposed A = Actual	P = Proposed A = Actual	P= Proposed A= Actual
NOTE: *No off-Site waste was received on-Site during FY 2019.*						

4.6 Deletion of Waste Streams

This section presents mixed waste streams that are no longer identified as wastes covered under this STP. These waste streams have been removed under provisions in Section 2.7.1, "Deletion of Wastes." Table 4-6 presents the mixed waste streams and dates when the waste was removed.

Table 4-6. Deleted Waste Streams.

Waste Stream ID	Waste Stream Name	Disposition Date
AECHDM-PK	ARGONNE NATIONAL LABORATORY-CHICAGO Disposition: Treated and shipped off-Site.	12/14/13
AECHHM-PK	ARGONNE NATIONAL LABORATORY-CHICAGO Disposition: Treated and shipped off-Site.	3/18/14
AE-W015	ORGANIC SOLVENTS Disposition: Alternative treatment technology.	1/24/01
AE-W030	COMBUSTIBLE SOLIDS W/ METALS Disposition: Alternative treatment technology.	1/24/01
AE-W031	COMBUSTIBLE SOLIDS W/ ORGANICS Disposition: Alternative treatment technology.	1/24/01
AE-W034	PPE CONTAMINATED WITH LEAD Disposition: Alternative treatment technology.	1/24/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 off-Site.	1/3/12
ANL-E (sludge)	ARGONNE NATIONAL LABORATORY-CHICAGO Disposition: Treated and shipped off-Site.	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 W/ HEAVY METALS MAY HAVE PCB Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W007	SOLIDS WITH SOLVENTS Disposition: Treated with no future generation of this waste stream.	10/29/97
BT-W008	MERCURY-CONTAINING WASTE Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W009	VOC-CONTAMINATED SOIL Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W010	ORGANIC LIQUIDS W/ HEAVY METALS PCBs, & VOC Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W012	VOC & PCB-CONTAMINATED DEBRIS Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W013	VOC & PCB-CONTAMINATED SOIL Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W017	ION EXCHANGE RESIN Disposition: Waste will not be received at the 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 the INL for treatment.	10/31/01
BT-W020	BRASS AND BRONZE Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W028	VOC AND PCB-CONTAMINATED WATER Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W029	VOC-CONTAMINATED SEDIMENT/SLUDGE Disposition: Waste will not be received at the INL for treatment.	10/31/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
BT-W030	VOC-CONTAMINATED DEBRIS Disposition: Waste will not be received at the INL for treatment.	10/31/01
BT-W031	VOC AND PCB-CONTAMINATED SLUDGE Disposition: Waste will not be received at the 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 the 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 CONTAM. 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
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 DSSI 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 five 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-243T	METAL WASTE FORM Disposition: This waste will not be generated as a mixed waste, LLW only.	6/30/97
CH-ANL-244	ICP WASTE SOLUTIONS W/ 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
CH-ANL-246T	ELECTROREFINER INSOLUBLES W/ CADMIUM Disposition: This waste will not be generated as a mixed waste, 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-506	SODIUM STORED IN BUILDING 703 AND OTHER Disposition: Moved to CH-ANL-180CH.	10/29/14
CH-ANL-553	WCA MIXED WASTE Disposition: Treated and no longer generated.	7/31/19
CH-ANL-554	LEAD-CONTAMINATED DEBRIS Disposition: Treated and no longer generated.	10/31/10
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 W/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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 & 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 the INL.	4/27/99
ET-W009	PAINT CHIPS Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
ET-W019	CHROME SALT CORES Disposition: Waste will not be received at the 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 the INL.	4/27/99
ET-W023	ELEMENTAL MERCURY Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
ET-W026	CRUSHED MERCURY LIGHT BULBS Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
GA-CC-01	CA. LISTED WASTES Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
GA-W003	SVA: Pb-CONTAMINATED SLUDGE Disposition: Has been treated at Hanford and on-Site. This waste will not be received at the 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 the INL.	4/27/99
GA-W013	HOT CELL D&D: Pb BRICK Disposition: Accepted by Envirocare under the Mixed Waste Focus Area Cooperative Agreement. This waste will not be received at the INL.	2/24/97
GA-W025	SVA: LEAD SCRAP Disposition: Has been shipped for off-Site treatment. This waste will not be received at the 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 the INL.	4/27/99

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
GA-W034	DOUBLET 11 ALCOHOL AND TRITIUM Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
GA-W037	WASTE W/ F-LISTED SOLVENTS Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
GA-W038	MISCELLANEOUS LIQUID SOLVENTS Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
GA-W043	SVA ORGANIC LIQUID Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
GA-W044	WOOD HOUSING HEPA FILTERS Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
GEV Debris	DEBRIS WASTE FROM GENERAL ELECTRIC VALLECITOS OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/19/10
GJPO-94-017	WASTE OIL SLUDGE Disposition: Alternative treatment technology.	1/24/01
GJPO-96-017	MISC. COMBUSTIBLE MIXED WASTE Disposition: Alternative treatment technology.	1/24/01
GJPO-97-030	ACTIVATED CARBON Disposition: Alternative treatment technology.	1/24/01
HNF Waste	HANFORD OFF-SITE WASTE Disposition: Treated and shipped off-Site.	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-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-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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-ANL-160T	ANL-W HFEF ANALYTICAL CHEMISTRY AND METAL Disposition: Treated and shipped to WIPP.	10/26/10
ID-ANL-163T	ANL-W ACL COLD-LINED ABSORBED LIQUID, MIS (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-202	COMBUSTIBLE SOLIDS Disposition: Combined with ID-BCO-202T.	10/26/06
ID-BCO-203	PAPER, METALS, GLASS Disposition: Combined with ID-BCO-203T.	10/26/06
ID-BCO-204	SOLIDIFIED SOLUTIONS Disposition: Combined with ID-BCO-204T.	10/26/06
ID-BTO-010	RAGS, GLOVES, POLY Disposition: Combined with ID-BTO-010T.	10/26/06
ID-BTO-020	NONCOMPRESSIBLE, NONCOMBUSTIBLE Disposition: Combined with ID-BTO-020T.	10/26/06
ID-BTO-030	SOLIDIFIED GRINDING SLUDGE, ETC Disposition: Combined with ID-BTO-030T.	10/26/06
ID-CFA-103	LIQUID LAB WASTE W/ 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
ID-CFA-121	HEAVY METAL LIQUID LAB 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 LAB 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 W/ TCLP ORGANICS Disposition: Treated and no longer generated.	10/27/04
ID-CFA-260	RADIOACTIVE PCB OIL W/ 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 LAB 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 W/ 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
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-1 SOILS W/ 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 W/ 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 WS 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
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-155	SCRAP Disposition: Combined with ID-INL-155T.	10/26/06
ID-INL-187	SIG SODIUM Disposition: Treated and no longer generated.	4/22/09
ID-INL-213	MERCURY-CONTAMINATED DEBRIS & ASBESTOS Disposition: Waste moved to new Waste Stream Identifier.	1/19/05

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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	MISC. 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
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 & 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-INL-802	INTEC CLASS A WASTE Disposition: Treated and no longer generated.	7/29/15
ID-INL-805	INTEC CLASS B & C WASTE Disposition: Waste moved to new waste stream identifier (ID-INL-806).	7/29/15
ID-IRC-271	BIOPROCESSING MIXED WASTE 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-MDO-803	METAL, EQUIPMENT, PIPES, VALVES, ETC Disposition: Combined with ID-MDO-803T.	10/26/06
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-834	HIGH-LEVEL ACID Disposition: Combined with ID-MDO-834T.	10/26/06
ID-MDO-835	HIGH-LEVEL CAUSTIC Disposition: Combined with ID-MDO-835T.	10/26/06
ID-MDO-836	HIGH-LEVEL SLUDGE/CEMENT Disposition: Combined with ID-MDO-836T.	10/26/06
ID-MDO-838	<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
ID-MDO-847	LSA <100 nCi/g COMBUSTIBLE Disposition: Combined with ID-MDO-847T.	10/26/06
ID-MDO-848	LSA < 100 nCi/g Disposition: Combined with ID-MDO-848T.	10/26/06
ID-MFC-100	D&D SODIUM/NaK Disposition: Waste treated and no longer generated.	9/30/12
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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-OFS-111	RESEARCH GENERATED WASTE NONCOMPACTIBLE Disposition: Combined with ID-OFS-111T.	10/26/06
ID-OFS-121	DECONTAMINATION AND DECOMMISSIONING WASTE Disposition: Combined with ID-OFS-111T.	10/26/06
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
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 W/ 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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-001	FIRST STAGE SLUDGE Disposition: Combined with ID-RFO-001T.	10/26/06
ID-RFO-002	SECOND STAGE SLUDGE Disposition: Combined with ID-RFO-002T.	10/26/06
ID-RFO-003	ORGANIC SETUPS, OIL SOLIDS Disposition: Combined with ID-RFO-003T.	10/26/06
ID-RFO-004	SPECIAL SETUPS (CEMENT) Disposition: Combined with ID-RFO-004T.	10/26/06
ID-RFO-005	EVAPORATOR SALTS Disposition: Combined with ID-RFO-005T.	10/26/06
ID-RFO-007	BLDG. 374 DRY SLUDGE Disposition: Combined with ID-RFO-007T.	10/26/06
ID-RFO-112	SOLIDIFIED ORGANICS Disposition: Combined with ID-RFO-112T.	10/26/06
ID-RFO-113	SOLID LAB WASTE Disposition: Combined with ID-RFO-113T.	10/26/06
ID-RFO-114	SOLIDIFIED PROCESS SOLIDS Disposition: Combined with ID-RFO-114T.	10/26/06
ID-RFO-116	COMBUSTIBLE WASTE Disposition: Combined with ID-RFO-116T.	10/26/06
ID-RFO-117	METAL WASTE Disposition: Combined with ID-RFO-117T.	10/26/06

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-122	INORGANIC SOLID WASTE Disposition: Combined with ID-RFO-122T.	10/26/06
ID-RFO-123	LEADED RUBBER R Disposition: Combined with ID-RFO-123T.	10/26/06
ID-RFO-241	AMERICIUM PROCESS RESIDUE Disposition: Combined with ID-RFO-241T.	10/26/06
ID-RFO-292	CEMENTED SLUDGE Disposition: Combined with ID-RFO-292T.	10/26/06
ID-RFO-300	GRAPHITE MOLDS Disposition: Characterization data showed that this waste stream was nonhazardous.	4/27/99
ID-RFO-300T	GRAPHITE MOLDS Disposition: Characterization data showed that this waste stream was nonhazardous.	4/27/99
ID-RFO-301	GRAPHITE CORES Disposition: Combined with ID-RFO-301T.	10/26/06
ID-RFO-302	BENELEX AND PLEXIGLAS Disposition: Combined with ID-RFO-302T.	10/26/06
ID-RFO-320	HEAVY NONSPECIAL SOURCE METAL Disposition: Combined with ID-RFO-320T.	10/26/06
ID-RFO-328	FULFLO INCINERATOR FILTERS Disposition: Combined with ID-RFO-328T.	10/26/06
ID-RFO-330	DRY PAPER AND RAGS Disposition: Combined with ID-RFO-330T.	10/26/06
ID-RFO-335	ABSOLUTE 8 X 8 FILTERS Disposition: Combined with ID-RFO-335T.	10/26/06
ID-RFO-336	MOIST PAPER AND RAGS Disposition: Combined with ID-RFO-336T.	10/26/06
ID-RFO-337	PLASTICS, TEFLON, WASH, PVC Disposition: Combined with ID-RFO-337T.	10/26/06
ID-RFO-338	INSULATION AND CHEMICAL WARFARE SERVICE Disposition: Combined with ID-RFO-338T.	10/26/06
ID-RFO-339	LEADED RUBBER GLOVES AND APRONS Disposition: Combined with ID-RFO-339T.	10/26/06
ID-RFO-360	INSULATION Disposition: Combined with ID-RFO-360T.	10/26/06
ID-RFO-371	FIREBRICK Disposition: Combined with ID-RFO-371T.	10/26/06

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-RFO-374	BLACKTOP, CONCRETE, DIRT AND SAND Disposition: Combined with ID-RFO-374T.	10/26/06
ID-RFO-375	OIL-DRI RESIDUE FROM INCINERATOR Disposition: Combined with ID-RFO-375T.	10/26/06
ID-RFO-376	CEMENTED INSULATION FILTER MEDIA Disposition: Combined with ID-RFO-376T.	10/26/06
ID-RFO-430	UNLEACHED ION COLUMN RESIN Disposition: Combined with ID-RFO-430T.	10/26/06
ID-RFO-431	LEACHED RESIN Disposition: Combined with ID-RFO-431T.	10/26/06
ID-RFO-432	LEACHED AND CEMENTED RESIN Disposition: Combined with ID-RFO-432T.	10/26/06
ID-RFO-440	GLASS Disposition: Combined with ID-RFO-440T.	10/26/06
ID-RFO-441	UNLEACHED RASHIG RINGS Disposition: Combined with ID-RFO-441T.	10/26/06
ID-RFO-442	LEACHED RASHIG RINGS Disposition: Combined with ID-RFO-442T.	10/26/06
ID-RFO-463	LEADED RUBBER GLOVES AND APRONS Disposition: Combined with ID-RFO-463T.	10/26/06
ID-RFO-464	BENELEX AND PLEXIGLASS Disposition: Combined with ID-RFO-464T.	10/26/06
ID-RFO-480	NONSPECIAL SOURCE METAL Disposition: Combined with ID-RFO-480T.	10/26/06
ID-RFO-481	LEACHED NONSPECIAL SOURCE METAL Disposition: Combined with ID-RFO-481T.	10/26/06
ID-RFO-490	CHEMICAL WARFARE SERVICE FILTERS Disposition: Combined with ID-RFO-490T.	10/26/06
ID-RFO-900	LOW SPECIFIC ACTIVITY PLASTICS, PAPER, ETC. Disposition: Combined with ID-RFO-900T.	10/26/06
ID-RFO-950	LOW SPECIFIC ACTIVITY METAL, GLASS, ETC Disposition: Combined with ID-RFO-950T.	10/26/06
ID-RFO-970	WOOD Disposition: Combined with ID-RFO-970T.	10/26/06
ID-RFO-976	BLDG. 776 PROCESS SLUDGE Disposition: Combined with ID-RFO-976T.	10/26/06
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-9999	PRE-73 DRUMS Disposition: Combined with ID-RFO-9999T.	10/26/06
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-SMC-133	MISCELLANEOUS LAB 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
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	MIXED WASTE DEBRIS Disposition: Treated and no longer generated.	10/27/04

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 Hg 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
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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 & 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
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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 MIXED WASTE 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-800, ID-INL-802, ID-INL-805).	1/19/05
ID-TEC-509	USED HEXONE Disposition: This waste was sent to DSSI 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 five years.	2/12/96

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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-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 <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 LAB SCINTILLATION COCKTAILS Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	5/28/96
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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 & MISC. 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 Hg CONTAMINATED W/ 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
ID-TRA-707	NITRIC ACID FROM TMI FUEL FINES Disposition: Treated and no longer generated.	10/31/10
ID-VCO-100T	VCO GENERATED TRU AND RH TRU WASTE Disposition: Treated and shipped off-Site.	10/27/08

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
KA-W001	MISC. LABORATORY CHEMICALS W/O METALS Disposition: Waste will not be received at the 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 the INL for treatment.	10/31/01
KA-W013	ORGANIC DEBRIS W/O 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 the INL for treatment.	10/31/01
KA-W018	Hg-CONTAMINATED ORGANICS Disposition: Alternative treatment technology.	1/24/01
KA-W019	Hg-CONTAMINATED INORGANICS Disposition: Waste will not be received at the INL for treatment.	10/31/01
KA-W020	ELEMENTAL Hg Disposition: Waste will not be received at the INL for treatment.	10/31/01
KA-W021	PCB-CONTAMINATED WASTE Disposition: Waste will not be received at the INL for treatment.	10/31/01
KA-W022	PCB-CONTAMINATED WASTE (Nonincinerable) Disposition: Waste will not be received at the INL for treatment.	10/31/01
KEBASIN01	HANFORD OFF-SITE WASTE Disposition: Treated and shipped off-Site.	6/16/08
KEBASIN0T.001	HANFORD OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
KK-W003	OILS Disposition: Alternative treatment technology.	1/24/01
KK-W004	MISC. LABORATORY CHEMICALS W/O METALS Disposition: Alternative treatment technology.	1/24/01
KK-W005	ORGANIC DEBRIS CONTAINING HEAVY METALS Disposition: Alternative treatment technology.	1/24/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 the 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 the INL for treatment.	10/31/01
KK-W014	Hg-CONTAMINATED ORGANICS Disposition: Alternative treatment technology.	1/24/01
KK-W015	Hg-CONTAMINATED INORGANICS Disposition: Waste will not be received at the INL for treatment.	10/31/01
KK-W016	ELEMENTAL Hg Disposition: Waste will not be received at the INL for treatment.	10/31/01
KK-W017	PCB-CONTAMINATED WASTE Disposition: Waste will not be received at the INL for treatment.	10/31/01
KK-W018	PCB-CONTAMINATED WASTE (Nonincinerable) Disposition: Waste will not be received at the INL for treatment.	10/31/01
KW-W001	OILS Disposition: Waste is not expected to be generated. This waste will not be received at the 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
KW-W010	Hg-CONTAMINATED ORGANICS Disposition: Waste stream deleted per generator update.	10/27/99
KW-W011	Hg-CONTAMINATED INORGANICS Disposition: Waste stream deleted per generator update.	10/27/99
KW-W012	ELEMENTAL Hg Disposition: KAPL - Windsor no longer expects to generate this waste. This waste will not be received at the INL.	5/28/96

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	8/31/10
LA-CIN02.001	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	5/31/08
LA-MIN02-V.001	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	9/7/13
LA-MIN03 (Lot 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	7/27/11
LA-MIN03.001	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	7/27/11
LA-MIN04 (Lot 1, Set 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	4/20/12
LA-MIN04 (Lot 1, Set 2)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	10/18/12
LA-MIN04.001 (Lot 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	7/27/11
LANL CIN03 (Lot 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
LANL MIN03 (Lot 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	7/27/11
LANL MIN04 (Lot 1 Set 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	10/18/12
LANL MIN04 (Lot 1 Set 2)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
LANL MSGS03 (Lot 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LANL MSGS04 (Lot 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	7/5/13
LANL MSGS04.001 (Lot 1)	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	7/5/13
LANL Soils	LOS ALAMOS NATIONAL LABORATORY (LANL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	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 the INL. April Quarterly Meeting.	5/14/97
LA-W904	SOIL WITH HEAVY METALS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W905	ER SOILS Disposition: Was sent to Envirocare for treatment and disposal. Waste not received at the INL. April Quarterly Meeting.	5/14/97
LA-W906	AQUEOUS ORGANIC WASTES Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W907	HALOGENATED ORGANIC LIQUIDS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W908	NONHALOGENATED ORGANIC LIQUIDS Disposition: Waste will not be received at the 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
LA-W913	AQUEOUS WASTES WITH HEAVY METALS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W914	CORROSIVE SOLUTIONS Disposition: Waste will not be received at the INL for treatment.	10/31/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LA-W915	AQUEOUS CYANIDES, NITRATES, CHROMATES Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W916	WATER-REACTIVE WASTES Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W919	ORGANIC-CONTAMINATED NONCOMBUSTIBLE Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W920	ELEMENTAL MERCURY Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W921	ACTIVATED OR INSEPARABLE LEAD Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W922	NONCOMBUSTIBLE DEBRIS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W923	INORGANIC SOLID OXIDIZERS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LA-W925	MERCURY WASTES – TBD Disposition: Waste will not be received at the 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 Mixed Waste Focus Area Cooperative Agreement. This waste will not be received at the INL.	10/30/96
LA-W931	LEAD REQUIRING SORTING Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-CC-116	ORGANIC SOLIDS Disposition: Alternative treatment technology.	1/24/01
LB-CC-118	LAB-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 OFF-SITE WASTE Disposition: Treated and shipped off-Site.	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 LAB PACKS Disposition: Alternative treatment technology.	1/24/01
LB-W002	BASIC AQUEOUS LIQUIDS - LOW ALPHA Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W004	ORGANIC LIQUIDS AND SOLIDS: LAB PACKED Disposition: Alternative treatment technology.	1/24/01
LB-W005	BLOCK & SHEET Pb-INDUCED & SURFACE CONTAM. Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W006	LIQUID-INDUCED MERCURY Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W007	SCINTILLATION FLUIDS Disposition: Alternative treatment technology.	1/24/01
LB-W008	AQUEOUS AND SOLID CHEMICAL OXIDIZERS LAB 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 W/ METALS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W012	BASIC SOLIDS W/ METALS - HIGH ALPHA Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W014	LIQUIDS/SOLIDS CONTAINING SOLVENTS & OIL Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W017	ORGANIC SCINTILLATION FLUIDS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W018	AQUEOUS/SOLID OXIDIZERS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W019	DEBRIS CONTAMINATED w/ ORGANIC VOLATILES Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W101	AQUEOUS ORGANIC LIQUID Disposition: Waste will not be received at the INL for treatment.	10/31/01
LB-W111	AQUEOUS LIQUIDS OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/01
LB-W124	VERMICULITE W/ OIL-SOLVENTS Disposition: Alternative treatment technology.	1/24/01
LLNL Debris and Sludge	LAWRENCE BERKELEY NATIONAL LABORATORY OFF-SITE WASTE Disposition: Treated and shipped off-Site.	2/28/11

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LLNL Debris and Sludge (Campaign 2)	LAWRENCE BERKELEY NATIONAL LABORATORY OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
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 the INL for treatment.	10/31/01
LL-W006	LOW-LEVEL MIXED SCRAP METAL Disposition: Waste will not be received at the INL for treatment.	10/31/01
LL-W007	ELEMENTAL LEAD Disposition: Has or will be treated by another site. Will not be received at the 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 the INL for treatment.	10/31/01
LL-W021	LAB PACKS WITH METALS Disposition: Waste will not be received at the INL for treatment.	10/31/01
LL-W024	LIQUID MERCURY WASTE Disposition: Waste will not be received at the INL for treatment.	10/31/01
MD-W021	OIL-CONTAMINATED FLORCO Disposition: Alternative treatment technology.	1/24/01
MD-W023	SCINTILLATION COCKTAIL CONTAMIN. FLORCO Disposition: Alternative treatment technology.	1/24/01
MD-W024	SCINTILLATION COCKTAIL CONTAMIN. TRASH Disposition: Alternative treatment technology.	1/24/01
MI-W001	SOLID WASTE WITH HEAVY METALS Disposition: Waste was shipped off-Site 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 W/ 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 the 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
MI-W008	BRASS AND BRONZE Disposition: Waste was shipped off-Site for disposal.	10/31/03
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 the 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 the 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 the INL.	2/12/96
MI-W014	INORGANIC DEBRIS W/ HEAVY METALS W/O Hg Disposition: Waste was shipped off-Site 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 off-Site.	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 the INL for treatment.	10/31/01
NN-W001	LEAD/CHROMIUM-BASED PAINT CHIPS Disposition: Sent to Hanford for treatment. Waste not received at the 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 the INL for treatment.	10/31/01
NN-W011	DEBRIS/SLUDGE CONT. W/ METALS/LISTED/ORG. Disposition: Alternative treatment technology.	1/24/01
NRD	NRD LIMITED LIABILITY CORPORATION (NRD, LLC) (formerly known as Nuclear Radiation Development) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/8/11

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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
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 W/ PCB AND RCRA Disposition: Waste moved to new Waste Stream Identifier (ID-INL-804).	1/19/05
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) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
OR-NFS-CH-HOM-A	OAK RIDGE NATIONAL LABORATORY (ORNL) OFF-SITE WASTE Disposition: Treated and shipped off-Site.	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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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
PA-W003	USE PAINT WASTE SOLIDS Disposition: Alternative treatment technology.	1/24/01
PA-W003-USEC	PAINT WASTE SOLIDS OFF-SITE WASTE Disposition: Treated and shipped off-Site.	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 the INL for treatment.	10/31/01
PN-W015	SOLIDS CONTAM. WITH POTASSIUM CHROMATE Disposition: Alternative treatment technology.	1/24/01
PO-W006	WASTE HG, METALLIC Disposition: Waste will not be received at the 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	LAB 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
PO-W061	MERCURY SOLIDS Disposition: Waste will not be received at the 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
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 the INL. April Quarterly Meeting.	5/14/97
PS-W007	DEBRIS WITH HEAVY METALS AND PCBS Disposition: Waste will not be received at the INL for treatment.	10/31/01
PS-W009	PAINT THINNER WITH BUTYL ALCOHOL Disposition: This waste stream will not be received at the INL. April Quarterly Meeting.	5/14/97
PS-W011	DEBRIS W/ HEAVY METALS & F-LISTED SOLVENT Disposition: This waste will not be received at the INL. April Quarterly Meeting.	5/14/97
PS-W012	PAINT CHIPS WITH HEAVY METALS AND PCBS Disposition: Waste will not be received at the INL for treatment.	10/31/01
PS-W013	ELEMENTAL LEAD Disposition: Waste will not be received at the INL for treatment.	10/31/01
PS-W019	FILTERS W/ ASBESTOS AND DIOCTYL PHTHALATE Disposition: This waste is no longer regulated due to revisions in state regulations. This waste will not be received at the INL.	5/28/96
PS-W020	COMPRESSED FILTER MEDIA W/ DIOCTYL PHTHAL Disposition: This waste is no longer regulated due to revisions in state regulations. This waste will not be received at the INL.	5/28/96
PX-6.1	SOLVENT AND HEAVY METAL CONTAMIN. DEBRIS Disposition: Alternative treatment technology.	1/24/01
PXSTP#-2.1	WASTE WATER Disposition: Waste will not be received at the INL for treatment.	10/31/01
PXSTP#-6.2	INORGANIC DEBRIS; CONTAMINATED Disposition: Waste will not be received at the INL for treatment.	10/31/01
RF-W017	PCB LIQUIDS/LLM Disposition: Waste stream deleted per generator update.	10/27/99

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
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 LAB PACK Disposition: Waste stream deleted per generator update.	10/27/99
RF-W085	EXCESS CHEMICALS NON-LABPACKS W/D009/LLM Disposition: Waste stream deleted per generator update.	10/27/99
RF-W086	EXCESS CHEMICALS NON-LAB PACKS-OTHER/LLM Disposition: Waste stream deleted per generator update.	10/27/99
RL-601-01	MIXED WASTE DEBRIS Disposition: Alternative treatment technology.	1/24/01
RL-AL0	ORGANIC ABSORBED LIQUIDS Disposition: Alternative treatment technology.	1/24/01
RL-LPO	ORGANIC LAB PACKS Disposition: Alternative treatment technology.	1/24/01
RLM216Z9S	HANFORD OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
RLM325D.002	HANFORD OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
RLPUNIT	HANFORD OFF-SITE WASTE Disposition: Treated and shipped off-Site.	1/19/09
RP-W001	NE FAST REACTOR PHYSICS SODIUM Disposition: Waste will not be received at the 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 W/ 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 OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/99
SA-TG-18	PARTICULATES W/ ORGANIC CONTAMINANTS Disposition: Alternative treatment technology.	1/24/01
SA-TG-7	ORGANIC LIQUIDS/SCINTILLATION COCKTAILS Disposition: Alternative treatment technology.	1/24/01

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
SA-TG-8/10	ORGANIC DEBRIS W/ SOLVENTS/HETER DEBRIS Disposition: Alternative treatment technology.	1/24/01
SNL Waste, Sandia National Laboratory	SANDIA NATIONAL LABORATORY OFF-SITE WASTE Disposition: Treated and shipped off-Site.	1/3/12
SR-321-HOM (Lot 1)	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	6/5/13
SR-BCDLP.003.001 (Lot 1)	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	6/5/13
SR-MD SOIL	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	1/13/12
SR-MD-HOM-B	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
SR-MD-HOM-C	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	5/3/12
SR-SDD-HOM-A	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	3/16/13
SR-SDD-HOM-B	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	1/12/13
SR-SDD-HOM-C	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
SR-SWMF-SOIL (Lot 1)	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	11/15/13
SR-SWMF-SOIL (Lot 2)	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	1/13/12
SR-W014	TRITIATED MERCURY Disposition: Has or will be treated by another site. Will not be received at the INL.	4/27/99
SR-W026-221F-HOM (Lot 1)	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	4/9/12
SR-W027/SR-AGNS-HOM	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	2/16/12
SR-W027-221H-HOM (Lot 1)	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	5/14/12
SR-W027-235F-HOM (Lot 1)	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site	5/14/12
SR-W027-773A-HOM (Lot 1)	SRS OFFSITE WASTE OFF-SITE WASTE Disposition: Treated and shipped off-Site.	5/14/12

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
SR-W049	TANK E-3-1 CLEAN OUT MATERIAL Disposition: Waste was treated at another DOE site and will not be received at the INL.	1/27/99
SR-W068	LIQUID ELEMENTAL MERCURY Disposition: Has or will be treated by another site. Will not be received at the 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 the INL.	11/16/98
WS-W030	PAINT SLUDGE Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	11/16/98
WS-W044	PAINT WASTE WITH MERCURY Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	11/16/98
WS-W052	SLUDGE WITH D040 Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	11/16/98
WS-WITS-4847	ORGANIC WASTE WATER Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	11/16/98
WS-WITS-6311	CONSOLIDATED OILS Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	11/16/98
WS-WITS-6435	UTS SLUDGE Disposition: Waste is being treated on the Weldon Springs site and will not come to the 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
WV-W012	PAINT W/ 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
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 LAB WASTE Disposition: Alternative treatment technology.	1/24/01
WV-W032	INGITABLE 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

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
WV-W054	CORROSIVE/FLAMMABLE LIQUIDS Disposition: Alternative treatment technology.	1/24/01
WV-W056	REACTIVES Disposition: Alternative treatment technology.	1/24/01

5. INL TREATMENT FACILITY SCHEDULES

Mixed wastes at the INL are predominately expected to be treated to meet LDR treatment standards through a number of on-Site and commercial facilities.

Section 3 of this STP identifies those treatment facilities that will treat the INL mixed waste and the off-Site waste destined to be treated at the INL. Section 4 of this STP identifies those waste streams scheduled for treatment by the INL. This Section 5 contains the schedules for those INL facilities that will treat the mixed waste 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 Section 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 mixed waste 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. Milestones/Planning Dates for Mixed Wastes with Existing Treatment Technologies.

Facility	Assumptions	Schedule
SBW Treatment Facility (liquid sodium waste)		P-1, Transmit Permit Modification Request and/or Temporary Authorization 4Q 2008 (Completed) P-2, Procure Contracts (Completed) P-3, Initiate Construction (Completed) P-4, Commence Full-Scale System Testing (Completed) P-5, Commence Operations and Fill One Canister: 3Q 2021 (06/30/2021)[a] P-6, Schedule for System Backlog (Completed)
Calcine Disposition Project[b]		P-1, Submit Part B (Completed) P-2, Procure Contracts: 4Q 2019 (9/30/19) P-3, Initiate Construction: 4Q 2020 (9/30/20) P-4, Conduct System Testing: 2Q 2023 (3/31/23) P-5, Commence Operation: 2Q 2024 (3/31/24) P-6, Schedule for System Backlog: 3Q 2024 (6/30/24)

a. Justification for SBW Treatment Facility P-5 Milestone—DOE requested an extension for the P-5 milestone to commence operations at the SBW Treatment Facility on January 16, 2020.
b. On September 30, 2019, DOE requested an extension to the Table 5-1 Calcine Disposition Project Milestones. DEQ responded to that request, stating that the State of Idaho favors no change at this time.

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 and Fill One Canister:** The date on which treatment of waste using the treatment process begins and one canister is filled.

- **P-6, Schedule for System Backlog:** The date on which the INL submits a schedule after commencing operation identifying time required for processing waste currently in storage. This includes waste in storage at the 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 mixed waste 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 mixed waste streams. Section 5.2.2 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.)

5.2.1.2 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 R&D Permit Applications:** The date on which the research and development (R&D) 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 the INL presents the RCRA Part B submittal to DEQ for approval.

5.2.2 Facility-Specific Schedules

Table 5-2 (Reserved).

5.3 Schedules for Mixed Waste Streams Planned for Treatment Off-Site

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

5.3.1 General Assumptions for Mixed Waste Streams Intended for Treatment Off-Site

- 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 mixed waste streams intended for treatment off-Site.

- **P-1, Complete Necessary Characterization:** Dependent on the off-Site 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 Off-Site:** The shipment of waste to an off-Site 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 WIPP

MTRU waste is mixed waste that contains more than 100 nCi of alpha-emitting transuranic isotopes per gram of waste with half-lives greater than 20 years. Alpha-contaminated mixed low-level waste (α-MLLW) is mixed waste containing between 10 and 100 nCi of alpha-emitting transuranic 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 the INL and generally plans to treat and/or repackage wastes at the INL (both MTRU and α-MLLW) to meet the WAC for disposal at WIPP or an appropriate 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 by the end of 1QFY 2019 as follows:[g]

1. Commencing in FY 2006 through FY 2018, DOE agrees to process a cumulative average of 4,500 m^3 of original volume of TRU-contaminated waste per year (waste listed in Table 4-2) through the AMWTP or other facility as follows:

   (a) DOE may count the waste as processed toward the annual 4,500 m^3 requirement 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.

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f. As described in Section 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 Sections 4.2 and 5.4.

g. DOE asserts that the 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 Federal Facility Compliance 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 Section 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 transuranic contaminated wastes are enforceable under this STP and Consent Order.

(b) When the total volume of a mixed waste stream managed by the RWDP or a waste category (i.e., debris, sludge, or soil) for a mixed waste stream managed by the AMWTP in Table 4-2 has been certified for disposal at WIPP, it may be deleted from the STP under Section 2.7.1, "Deletion of Waste Streams." When deleted, the waste stream will be included in Table 4-6, "Deleted Waste Streams."

(c) DOE shall declare that specific mixed waste will be managed as MLLW by adding it to Table 4-1, "Mixed Low-Level Waste Streams Requiring Treatment," 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.

2. In FY 2019 and through the third quarter of 2020, DOE agrees to complete the treatment of original volume of TRU-contaminated waste (excluding the treatment of sludge waste) through the AMWTP or other facility as follows:

(a) 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 Section 3.3, "Description of Facilities Required to Treat the Mixed Transuranic-Contaminated Waste at the INL," to be in a container type suitable for transportation to and disposal at WIPP. Final containers may be considered "treatment complete" when characterization indicates compliance to the WIPP WAC.

(b) When the total volume of a mixed waste stream managed by the RWDP or a waste category (i.e., debris, sludge, or soil) for a mixed waste stream managed by the AMWTP in Table 4-2 has been certified for disposal at WIPP, it may be deleted from the STP under Section 2.7.1, "Deletion of Waste Streams." When deleted, the waste stream will be included in Table 4-6, "Deleted Waste Streams."

3. DOE shall declare that specific mixed waste will be managed as MLLW by adding it to Table 4-1, "Mixed Low-Level Waste Streams Requiring Treatment," 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.

4. Commencing in FY 2020 and continuing through FY 2022, DOE shall complete certification of treated CH-TRU by the schedule in Table 5-6a. Carryover of volume in excess of the milestone is allowed from one year to the next. Sludge treatment will be completed in FY 2020.

5. DOE will submit a schedule for RH-TRU certification per the schedule in Table 5-6a.

6. The term "cumulative average" as used in this section means the amount of waste required to be processed annually (4,500 m^3) multiplied by the number of years starting in FY 2006. For example, by FY 2010, DOE must have processed 22,500 m^3 of original volume of TRU-contaminated waste (5 years times 4,500 m^3). The amount of waste processed in any year in excess of the required amount may be applied toward the cumulative average in subsequent years.

7. 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 Idaho Settlement Agreement and Consent Order were 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 the RWDP (at CPP-659 and CPP-666), AMWTP, and the ARP V and ARP VII Repackaging Facility.

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 a schedule to be submitted by DOE no later than 1Q FY 2025. 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 a MTRU waste stream in Table 4-2a has been certified for disposal at WIPP, it may be deleted from the STP under Section 2.7.1, "Deletion of

Waste Streams." When deleted, the waste stream will be included in Table 4-6, "Deleted Waste Streams."

(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 one year of generation, DOE will amend or submit a waste stream treatment plan in accordance with Section 2.4, "Inclusion of New Mixed Waste Streams."

5.5 Processing of Sodium-Bearing Waste

Commencing in FY 2021, DOE agrees to treat the original volume of ID-TEC-173, Sodium Bearing Waste, listed in Table 4-3, through the IWTU, as follows:

(a) DOE will commence operation of the IWTU and fill one canister by 3Q FY 2021 in accordance with the milestone in Table 5-1.

(b) DOE will fill 100 canisters by 4Q FY 2021 in accordance with the schedule in Table 5-6b.

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

(d) This percentage rate will be calculated annually on a three-year running average beginning with FY 2022 until treatment of all ID-TEC-173 waste is completed.

(e) The term "three-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 three consecutive years divided by 3.

(f) Only ID-TEC-173 waste that has completed treatment through the 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 the IWTU as described in Section 3.4, "Description of Facilities Required to Treat the Mixed Transuranic-Contaminated Waste at the INL"; 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 Section 2.7.1, "Deletion of Waste Streams." When deleted, the waste stream will be included in Table 4-6, "Deleted Waste Streams."

(j) DOE shall declare that the treated sodium-bearing waste will be managed as ID-TEC-176, IWTU Steam Reform 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 Reform 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 regarding milestones and planning dates, including Section 2.2, "Compliance Schedules," and Section 2.13, "Submittal and Review of Deliverables." 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 fiscal year per Section 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 fiscal year (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 off-Site. 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 fiscal year 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 2020 (m^3)	FY 2021 (m^3)	FY 2022 (m^3)
Sodium Components Maintenance Shop	6[a]		6[b]
Original Volume Transuranic-Contaminated Waste Certification	25% Certified[c]	25% Certified[c]	25% Certified[c]
Original Volume Transuranic-Contaminated Debris and Associated Waste (contact-handled waste excluding sludge)	Complete treatment by 03/31/2020[d]		
Original Volume TRU Reclassified as Mixed Low-Level Waste (MLLW associated with debris processing)	Remaining volume by 06/30/2020[e]		
Original Volume Transuranic-Contaminated Sludge Waste	Complete treatment[f]		
Original Volume TRU Reclassified as Mixed Low-Level Waste (MLLW associated with sludge processing)		Remaining volume[e]	
Original Volume Transuranic Contaminated Waste (remote-handled waste)[g]	0	0	0
Remote-Handled Waste Disposition Project[h]	1		2
Processing of ID-AMWTP-100Ta Waste[i]	NA	NA	NA

a. The milestone for treating 6.0 m^3 in FYs 2019–2021 was approved in FY 2019. In FY 2019, 4.198 m^3 was treated.

b. The milestone for treating 6 m^3 in FYs 2022–2024 was approved in FY 2020. INL is committing to continued progress each fiscal year toward the elimination of the SCMS backlog inventory. Planned scope for FY 2020 includes the development of a treatment plan for the remaining inventory, which will help further refine the specific estimate for milestones beyond FY 2022.

c. Twenty-five percent of the waste volume will be certified per fiscal year from FY 2020 through FY 2022, followed by 15% in FY 2023 and 10% in FY 2024, until all waste containers are certified. Carryover of volume in excess of the milestone is allowed from one year to the next.

d. The Complete Treatment milestone will exclude all sludge waste due to the recovery actions ongoing from the ARP V event.

e. All original volume of TRU waste reclassified as mixed low-level waste will be dispositioned off-Site.

f. The estimated volume of remaining sludge waste is 800 m^3. This volume includes sludge and other non-debris (e.g., soil).

g. Certification projections for RH-TRU will be proposed no later than fourth quarter FY 2021.

h. Carryover of volume in excess of the milestone is allowed from one year to the next. The milestone for treating 1.0 m^3 in FYs 2019–2021 was approved in FY 2019. In FY 2019, 0.456 m^3 was treated. Carryover volume in excess of the FYs 2019-2021 treatment volume may be carried over to FY 2022.

i. Remaining volume of ID-AMWTP-100Ta will be dispositioned off-Site after contact-handled waste has been certified (FY 2025).

Table 5-6b. Milestone for Treatment of Waste Backlog in Sodium-Bearing Waste Treatment Facility.

Facility	FY 2020	FY 2021	FY 2022
Sodium-Bearing Waste Treatment Facility (IWTU)	0 m^3	Complete 100th canister	Complete 15% treatment (484.84 m^3)
NOTE: *The volume to be treated is based on current tank volume of 3,232.01 m^3 (853,900 gal).*			

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6. WASTE STREAM TREATMENT PLANS

Table 6-1 shows the on-Site and off-Site waste streams currently being proposed for treatment at each INL facility. Both on-Site and off-Site 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 on-Site and off-Site 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	Waste Stream ID	Waste Stream Name
AMWTP ADVANCED MIXED WASTE TREATMENT PROJECT			
INL waste streams:			
BN510	BOX AND BIN VOLUME	CH-ANL-505T	ALHC UPGRADE DECON DEBRIS
CH-ANL-505Ta	MTRU CONTACT HANDLED	ID-AEO-102T	ABSORBED LIQUIDS
ID-AEO-100T	GENERAL PLANT WASTE	ID-AEO-106T	SPECIAL SOURCE MATERIAL
ID-AEO-105T	EMPTY BOTTLES AND ABSORBENTS	ID-AEO-110T	RESEARCH-GENERATED WASTE COMPACTIBLE & COMBUSTIBLE
ID-AEO-107T	REMOTE-HANDLED WASTE	ID-AMWTP-100	MIXED WASTE INCIDENTAL TO PROCESSING
ID-AEO-120T	COMPACTIBLE AND COMBUSTIBLE WASTE	ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE
ID-AMWTP-100Ta	MTRU INCIDENTAL TO PROCESSING	ID-BCO-201T	NONCOMBUSTIBLE SOLIDS
ID-ANL-162T	ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS	ID-BCO-203T	PAPER, METALS, GLASS
ID-BCO-202T	COMBUSTIBLE SOLIDS	ID-BTO-010T	RAGS, GLOVES, POLY.
ID-BCO-204T	SOLIDIFIED SOLUTIONS	ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.
ID-BTO-020T	NONCOMPRESSIBLE, NONCOMBUSTIBLE	ID-INL-150T	LABORATORY WASTE
ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.	ID-INL-155T	SCRAP
ID-BWX-500T	BABCOCK & WILCOX	ID-MCO-500T	MONSANTO DAYTON LABORATORY WASTE
ID-INL-157T	MISCELLANEOUS SOURCES	ID-MDO-802T	DRY BOX GLOVES AND O-RINGS
ID-MDO-801T	RAGS, PAPER, WOOD, ETC.	ID-MDO-805T	ASBESTOS FILTERS
ID-MDO-803T	METAL, EQUIPMENT, PIPES, VALVES, ETC.	ID-MDO-811T	EVAPORATOR AND DISSOLVER SLUDGE
ID-MDO-810T	GLASS, FLASKS, SAMPLE VIALS, ETC.	ID-MDO-814T	CONTAMINATED MERCURY OR GRAPHITE CRUCIBLE
ID-MDO-813T	GLASS FILTERS AND FIBERGLASS	ID-MDO-826T	COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SW
ID-MDO-815T	CLASSIFIED PARTS	ID-MDO-834T	HIGH-LEVEL ACID
ID-MDO-827T	COMBUSTIBLE EQUIPMENT DRUMS	ID-MDO-836T	HIGH-LEVEL SLUDGE/CEMENT
ID-MDO-835T	HIGH-LEVEL CAUSTIC	ID-MDO-848T	LOW SPECIFIC ACTIVITY (<100 nCi/g) NONC.
ID-MDO-847T	LOW SPECIFIC ACTIVITY (<100 nCi/g) COMB.	ID-OFS-111T	RESEARCH-GENERATED WASTE NONCOMPACTIBLE
ID-MXA-142	MEXICAN AMERICIUM	ID-RFO-000T	NOT RECORDED - UNKNOWN
ID-OFS-121T	DECONTAMINATION AND DECOMMISSIONING WASTE	ID-RFO-002T	SECOND STAGE SLUDGE
ID-RFO-001T	FIRST STAGE SLUDGE	ID-RFO-004T	SPECIAL SETUPS (CEMENT)
ID-RFO-003T	ORGANIC SETUPS, OIL SOLIDS	ID-RFO-007T	BLDG 374 DRY SLUDGE
ID-RFO-005T	EVAPORATOR SALTS	ID-RFO-112T	SOLIDIFIED ORGANICS
ID-RFO-090	DIRT	ID-RFO-114T	SOLIDIFIED PROCESS SOLIDS
ID-RFO-113T	SOLID LAB WASTE	ID-RFO-117T	METAL WASTE
ID-RFO-116T	COMBUSTIBLE WASTE	ID-RFO-119T	HEPA FILTER WASTE
ID-RFO-118T	GLASS WASTE	ID-RFO-123T	LEADED RUBBER
ID-RFO-122T	INORGANIC SOLID WASTE	ID-RFO-290	FILTER SLUDGE
ID-RFO-241T	AMERICIUM PROCESS RESIDUE	ID-RFO-300T	GRAPHITE MOLDS
ID-RFO-292T	CEMENTED SLUDGE	ID-RFO-302T	BENELEX AND PLEXIGLASS
ID-RFO-301T	GRAPHITE CORES	ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL

Table 6-1. (continued).

Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
ID-RFO-312T	COARSE GRAPHITE	ID-RFO-330T	DRY PAPER AND RAGS
ID-RFO-328T	FULFLO INCINERATOR FILTERS	ID-RFO-336T	MOIST PAPER AND RAGS
ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS	ID-RFO-338T	INSULATION AND CHEMICAL WARFARE SERVICE
ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC	ID-RFO-360T	INSULATION
ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS	ID-RFO-374T	BLACKTOP, CONCRETE, DIRT, AND SAND
ID-RFO-371T	FIREBRICK	ID-RFO-376T	CEMENTED INSULATION AND FILTER MEDIA
ID-RFO-375T	OIL-DRI RESIDUE FROM INCINERATOR	ID-RFO-414T	DIRECT OXIDE REDUCTION SALT
ID-RFO-409T	MOLTEN SALTS - 30% UNPULVERIZED	ID-RFO-431T	LEACHED RESIN
ID-RFO-430T	UNLEACHED ION COLUMN RESIN	ID-RFO-440T	GLASS
ID-RFO-432T	LEACHED AND CEMENTED RESIN	ID-RFO-442T	LEACHED RASHIG RINGS
ID-RFO-441T	UNLEACHED RASHIG RINGS	ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS
ID-RFO-460T	WASHABLES, RUBBER, PLASTICS	ID-RFO-480T	NONSPECIAL SOURCE METAL
ID-RFO-464T	BENELEX AND PLEXIGLASS	ID-RFO-490T	CHEMICAL WARFARE SERVICE FILTERS
ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL	ID-RFO-900T	LOW SPECIFIC ACTIVITY PLASTICS, PAPER, ETC.
ID-RFO-700T	ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM	ID-RFO-970T	WOOD
ID-RFO-950T	LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.	ID-RFO-980T	FILTER SLUDGE
ID-RFO-976T	BLDG 776 PROCESS SLUDGE	ID-RFO-9999T	PRE-73 DRUMS
ID-RFO-990	DIRT	ID-TEC-699T	MIXED TRU WASTE FROM NWCF AND CSSF
ID-TEC-670Ta	MTRU LABORATORY ANALYTICAL WASTE		
ID-TEC-699Ta	MIXED TRU WASTE FROM NWCF AND CSSF		
Off-Site Waste Streams:			
ANL-E WASTE	ARGONNE NATIONAL LABORATORY-CHICAGO WASTE	LANL WASTE	LOS ALAMOS NATIONAL LABORATORY WASTE
CPP-659 HEPA FILTER DISPOSITION			
INL waste streams:			
ID-TEC-172	HEPA FILTERS	ID-TEC-172Ta	INTEC MIXED TRU HEPA FILTERS
COMMERCIAL TREATMENT FACILITY (CTF)			
INL waste streams:			
CH-ANL-180RH	SODIUM-MLLW REMOTE-HANDLED	CH-ANL-180CH	SODIUM-LLW CONTACT-HANDLED
CH-ANL-182RH	SODIUM POTASSIUM NAK REMOTE-HANDLED-MLLW	CH-ANL-182CH	SODIUM POTASSIUM NaK CONTACT-HANDLED
CH-ANL-716CH	MLLW CONTACT-HANDLED	CH-ANL-716RH	MLLW REMOTE-HANDLED-MLLW
ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC-MLLW	ID-AMWTP-100	MIXED WASTE INCIDENTAL TO PROCESSING
ID-INL-804	TSCA WASTE	ID-INL-803	AEROSOL WASTE
ID-RFO-005T	EVAPORATOR SALTS	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-RFO-990	DIRT
NR-NRF-673	HEAVY METAL DEBRIS	ID-TEC-172Ta	MIXED TRU HEPA FILTERS
CALCINE DISPOSITION FACILITY			
INL waste streams:			
ID-TEC-174	HIGH-LEVEL WASTE CALCINE SOLIDS		

Table 6-1. (continued).

Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
GOVERNMENT-OWNED OFF-SITE 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-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.	ID-AMWTP-100	MIXED WASTE INCIDENTAL TO PROCESSING
ID-INL-804	TSCA WASTE	ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC
ID-SDS-MLLW	NON-SETTLEMENT AGREEMENT, NON-TRU MLLW DEBRIS WITH SODIUM AND CADMIUM FROM SDS SYSTEM	ID-INL-806	INTEC MIXED LOW LEVEL WASTE
		NR-NRF-673	HEAVY METAL DEBRIS
RWDP REMOTE-HANDLED WASTE DISPOSITION PROJECT			
INL waste streams:			
CH-ANL 180RH	SODIUM MLLW REMOTE HANDLED	CH-ANL-180T	SODIUM – TRU
CH-ANL-180Ta	SODIUM – TRU	CH-ANL-182RH	SODIUM POTASSIUM NaK REMOTE HANDLED
CH-ANL-241T	TRU CD-HOT CELL WASTE	CH-ANL-241Ta	MTRU REMOTE HANDLED TO BE WIPP CERTIFIED IN CPP-659
CH-ANL-241Ta1	MTRU REMOTE HANDLED TO BE REPACKAGED IN CPP-666	CH-ANL-505T	ALHC UPGRADE DECON DEBRIS
CH-ANL-716RH	MLLW REMOTE HANDLED	ID-AEO-100T	GENERAL PLANT WASTE
ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.	ID-INL-150T	LABORATORY WASTE
ID-OFS-111T	RESEARCHH-GENERATED WASTE NONCOMPACTIBLE	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	ID-SDS-TRU	TRU WASTE FROM SDS TREATMENT
ID-TRU-RHNH	RH TRU, NON-HAZARDOUS GENERATED FROM RWDP TREATMENT	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
SCMS DEACT			
INL waste streams:			
CH-ANL-182CH	SODIUM POTASSIUM NaK CONTACT HANDLED	CH-ANL-180CH	SODIUM –MLLW 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			

Table 6-1. (continued).

Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
SUBTITLE C DISPOSAL FACILITY (SCDF)			
ID-AMWTP-100	MIXED WASTE INCIDENTAL TO PROCESSING	CH-ANL-716CH	MLLW CONTACT HANDLED
ID-INL-806	INTEC MIXED LOW-LEVEL WASTE	ID-INL-803	AEROSOL WASTE
ID-DSD-MLLW	NON-SETTLEMENT AGREEMENT, NON-TRU MLLW DEBRIS WITH SODIUM AND CADIUM FROM SDS SYSTEM	ID-RFO-990	DIRT
NR-NRF-673	HEAVY METAL DEBRIS	ID-TEC-172Ta	INTEC TRU HEPA FILTERS
WIPP DISPOSAL - CONTACT-HANDLED			
INL waste streams:			
BN510	BOX AND BIN VOLUME	CH-ANL-505T	ALHC UPGRADE DECON DEBRIS
CH-ANL-505Ta	MTRU CONTACT HANDLED	ID-AEO-102T	ABSORBED LIQUIDS
ID-AEO-100T	GENERAL PLANT WASTE	ID-AEO-106T	SPECIAL SOURCE MATERIAL
ID-AEO-105T	EMPTY BOTTLES AND ABSORBENTS	ID-AMWTP-100Ta	MTRU INCIDENTAL TO PROCESSING
ID-AEO-110T	RESEARCH-GENERATED WASTE COMPACTIBLE & COMB.	ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE
ID-AEO-120T	COMPACTIBLE AND COMBUSTIBLE WASTE	ID-BCO-201T	NONCOMBUSTIBLE SOLIDS
ID-ANL-162T	ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS	ID-BCO-203T	PAPER, METALS, GLASS
ID-BCO-202T	COMBUSTIBLE SOLIDS	ID-BTO-010T	RAGS, GLOVES, POLY
ID-BCO-204T	SOLIDIFIED SOLUTIONS	ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.
ID-BTO-020T	NONCOMPRESSIBLE, NONCOMBUSTIBLE	ID-BWX-500T	BABCOX & WILCOX
ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.	ID-INL-155T	SCRAP
ID-INL-150T	LABORATORY WASTE	ID-MCO-500T	MONSANTO DAYTON LABORATORY WASTE
ID-INL-157T	MISCELLANEOUS SOURCES	ID-MDO-802T	DRY BOX GLOVES AND O-RINGS
ID-MDO-801T	RAGS, PAPER, WOOD, ETC.	ID-MDO-805T	ASBESTOS FILTERS
ID-MDO-803T	METAL, EQUIPMENT, PIPES, VALVES, ETC.	ID-MDO-811T	EVAPORATOR AND DISSOLVER SLUDGE
ID-MDO-810T	GLASS, FLASKS, SAMPLE VIALS, ETC.	ID-MDO-814T	CONTAMINATED MERCURY OR GRAPHITE CRUCIBLE
ID-MDO-813T	GLASS FILTERS AND FIBERGLASS	ID-MDO-826T	COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE
ID-MDO-815T	CLASSIFIED PARTS	ID-MDO-834T	HIGH-LEVEL ACID
ID-MDO-827T	COMBUSTIBLE EQUIPMENT DRUMS	ID-MDO-836T	HIGH-LEVEL SLUDGE/CONS
ID-MDO-835T	HIGH-LEVEL CAUSTIC	ID-MDO-847T	LOW SPECIFIC ACTIVITY (<100 nCi/g) COMB.
ID-MDO-842T	CONTAMINATED SOIL	ID-MXA-142	MEXICAN AMERICIUM
ID-MDO-848T	LOW SPECIFIC ACTIVITY (<100 nCi/g) NONC.	ID-OFS-121T	DECONTAMINATION AND DECOMMISSIONING WASTE
ID-OFS-111T	RESEARCH-GENERATED WASTE NONCOMPACTIBLE, RH MTRU	ID-RFO-001T	FIRST STAGE SLUDGE
ID-RFO-000T	NOT RECORDED – UNKNOWN	ID-RFO-003T	ORGANIC SETUPS, OIL SOLIDS
ID-RFO-002T	SECOND STAGE SLUDGE	ID-RFO-005T	EVAPORATOR SALTS
ID-RFO-004T	SPECIAL SETUPS (CEMENT)	ID-RFO-090	DIRT
ID-RFO-007T	BLDG 374 DRY SLUDGE	ID-RFO-113T	SOLID LAB WASTE
ID-RFO-112T	SOLIDIFIED ORGANICS	ID-RFO-116T	COMBUSTIBLE WASTE
ID-RFO-114T	SOLIDIFIED PROCESS SOLIDS	ID-RFO-118T	GLASS WASTE
ID-RFO-117T	METAL WASTE	ID-RFO-122T	INORGANIC SOLID WASTE
ID-RFO-119T	HEPA FILTER WASTE	ID-RFO-241T	AMERICIUM PROCESS RESIDUE

Table 6-1. (continued).

Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
ID-RFO-123T	LEADED RUBBER	ID-RFO-292T	CEMENTED SLUDGE
ID-RFO-290	FILTER SLUDGE	ID-RFO-301T	GRAPHITE CORES
ID-RFO-300T	GRAPHITE MOLDS	ID-RFO-312T	COARSE GRAPHITE
ID-RFO-302T	BENELEX AND PLEXIGLASS	ID-RFO-328T	FULFLO INCINERATOR FILTERS
ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL	ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS
ID-RFO-330T	DRY PAPER AND RAGS	ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC
ID-RFO-336T	MOIST PAPER AND RAGS	ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS
ID-RFO-338T	INSULATION AND CHEMICAL WARFARE SERVICE	ID-RFO-371T	FIREBRICK
ID-RFO-360T	INSULATION	ID-RFO-375T	OIL-DRI RESIDUE FROM INCINERATOR
ID-RFO-374T	BLACKTOP, CONCRETE, DIRT, AND SAND	ID-RFO-409T	MOLTEN SALTS - 30% UNPULVERIZED
ID-RFO-376T	CEMENTED INSULATION AND FILTER MEDIA	ID-RFO-430T	UNLEACHED ION COLUMN RESIN
ID-RFO-414T	DIRECT OXIDE REDUCTION SALT	ID-RFO-432T	LEACHED AND CEMENTED RESIN
ID-RFO-431T	LEACHED RESIN	ID-RFO-441T	UNLEACHED RASHIG RINGS
ID-RFO-440T	GLASS	ID-RFO-460T	WASHABLES, RUBBER, PLASTICS
ID-RFO-442T	LEACHED RASHIG RINGS	ID-RFO-464T	BENELEX AND PLEXIGLASS
ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS	ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL
ID-RFO-480T	NONSPECIAL SOURCE METAL	ID-RFO-700T	ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM
ID-RFO-490T	CHEMICAL WARFARE SERVICE FILTERS	ID-RFO-950T	LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.
ID-RFO-900T	LOW SPECIFIC ACTIVITY PLASTICS, PAPER, ETC.	ID-RFO-976T	BLDG 776 PROCESS SLUDGE
ID-RFO-970T	WOOD	ID-RFO-990	DIRT
ID-RFO-980T	FILTER SLUDGE	ID-TEC-670Ta	MTRU LABORATORY ANALYTICAL WASTE
ID-RFO-9999T	PRE-73 DRUMS	ID-TEC-699T	MIXED TRU WASTE FROM NWCF AND CSSF
Off-Site waste streams:			
ANL-E WASTE	ARGONNE NATIONAL LABORATORY-EAST	LANL WASTE	LOS ALAMOS NATIONAL LABORATORY WASTE
WIPP DISPOSAL - REMOTE-HANDLED			
INL waste streams:			
CH-ANL-180T	SODIUM TRU	CH-ANL-180Ta	SODIUM – TRU
CH-ANL-241T	TRU-CD-HOT CELL WASTE	CH-ANL-241Ta	MTRU REMOTE HANDLED TO BE WIPP CERTIFIED IN CPP-659
CH-ANL-241Ta1	MTRU REMOTE HANDLED TO BE REPACKAGED IN CPP-666	CH-ANL-505T	ALHC UPGRADE DECON DEBRIS
ID-AEO-100T	GENERAL PLANT WASTE	ID-AEO-107T	REMOTE-HANDLED WASTE
ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE	ID-INL-150T	LABORATORY WASTE
ID-OFS-111T	RESEARCH GENERATED WASTE NON-COMPACTABLE	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-RHNH	RH TRU, NON-HAZARDOUS GENERATED FROM RWDP TREATMENT	ID-TRU-RHNHa	RH TRU NON-HAZARDOUS GENERATED FROM RWDP TREATMENT

Table 6-2. Treatment Plans.

STP ID/NAME	Step	Facility Abbr.	Unit Name
ON-SITE 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
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-180T—SODIUM – TRU			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal - Remote-Handled
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-241T—TRU-CD-HOT CELL WASTE			
	a	RWDP	Remote Waste Disposition Project
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal - Remote-Handled
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
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-505T—ALHC UPGRADE DECON DEBRIS			
	a	RWDP	Remote-Handled Waste Disposition Project
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal - Remote-Handled
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
CH-ANL-505Ta—MTRU CONTACT HANDLED			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-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
	c	MLLW/CTF	Commercial Treatment Facility Disposal Remote Handled
ID-AEO-100T—GENERAL PLANT WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
	a	RWDP	Remote-Handled Preparation Treatment
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal - Remote-Handled
ID-AEO-102T—ABSORBED LIQUIDS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-AEO-105T—EMPTY BOTTLES AND ABSORBENTS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-AEO-106T—SPECIAL SOURCE MATERIAL			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-AEO-107T—REMOTE-HANDLED WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Remote-Handled
ID-AEO-110T—RESEARCH-GENERATED WASTE COMPACT. & COMB.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-AEO-120T—COMPACTIBLE AND COMBUSTIBLE WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-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-ANL-161—ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-ANL-162T—ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS R			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-BCO-201T—NONCOMBUSTIBLE SOLIDS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-BCO-202T—COMBUSTIBLE SOLIDS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-BCO-203T—PAPER, METALS, GLASS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-BCO-204T—SOLIDIFIED SOLUTIONS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-BTO-010T—RAGS, GLOVES, POLY			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-BTO-020T—NONCOMPRESSIBLE, NONCOMBUSTIBLE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-BTO-030T—SOLIDIFIED GRINDING SLUDGE, ETC.			
	a	RWDP	Remote-Handled Disposition Project
	b	TRANS	Transport-72B
	c	WIPP	Disposal – Remote Handled
	d	LLW/NNSS	Disposal – LLW
	e	MLLW/CTF	Commercial Treatment Facility
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-BTO-040T—SOLID BINARY SCRAP POWDER, ETC.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
	d	LLW/NNSS	Disposal-LLW
ID-BWX-500T—BABCOCK & WILCOX			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-INL-150T—LABORATORY WASTE			
	a	RWDP	Remote Waste Disposition Project
	b	TRANS	Transport – 72B Cask
	c	WIPP	Disposal - Remote-Handled
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-INL-155T—SCRAP			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-INL-157T—MISCELLANEOUS SOURCES			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-INL-803—AEROSOL WASTE			
	a	CTF	Commercial Macroencapsulation
	b	SCDF	Disposal - Contact-Handled
ID-INL-804—TSCA WASTE			
	a	CTF or NNSS	Commercial Macroencapsulation
	b	SCDF	Disposal - Contact-Handled
ID-INL-806—INTEC MIXED LOW-LEVEL WASTE			
	a	CTF or NNSS	Commercial Macroencapsulation
	b	SCDF	Disposal - Contact-Handled
ID-MCO-500T—MONSANTO DAYTON LABORATORY WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-801T—RAGS, PAPER, WOOD, ETC.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-802T—DRY BOX GLOVES AND O-RINGS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-803T—METAL, EQUIPMENT, PIPES, VALVES, ETC.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-805T—ASBESTOS FILTERS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-810T—GLASS, FLASKS, SAMPLE VIALS, ETC.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-811T—EVAPORATOR AND DISSOLVER SLUDGE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-813T—GLASS FILTERS AND FIBERGLASS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-MDO-814T—CONTAMINATED MERCURY OR GRAPHITE CRUCIBLE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-815T—CLASSIFIED PARTS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-826T—COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-827T—COMBUSTIBLE EQUIPMENT DRUMS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-834T—HIGH-LEVEL ACID			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-835T—HIGH-LEVEL CAUSTIC			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-836T—HIGH-LEVEL SLUDGE/CEMENT			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-847T—LOW SPECIFIC ACTIVITY (<100 nCi/g) COMB.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MDO-848T—LOW SPECIFIC ACTIVITY (<100 nCi/g) NONC.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-MXA-142—MEXICAN AMERICIUM			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-OFS-111T—RESEARCH-GENERATED WASTE NONCOMPACTIBLE			
	a	RWDP	Remote-Handled Disposition Project
	b	TRANS	Transport – 72B
	c	WIPP	Disposal – Remote Handled
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-OFS-121T—DECONTAMINATION AND DECOMMISSIONING WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-000T—NOT RECORDED – UNKNOWN			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-001T—FIRST STAGE SLUDGE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-002T—SECOND STAGE SLUDGE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-003T—ORGANIC SETUPS, OIL SOLIDS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-004T—SPECIAL SETUPS (CEMENT)			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-005T—EVAPORATOR SALTS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
	a	CTF	Commercial Treatment Facility
	b	SCDF	Disposal-Contact handled
ID-RFO-007T—BLDG 374 DRY SLUDGE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-090—DIRT			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
	a	CTF	Commercial Treatment Facility
	b	SCDF	Disposal-Contact handled
ID-RFO-112T—SOLIDIFIED ORGANICS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-113T—SOLID LAB WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-RFO-114T—SOLIDIFIED PROCESS SOLIDS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-116T—COMBUSTIBLE WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-117T—METAL WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-118T—GLASS WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-119T—HEPA FILTER WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-122T—INORGANIC SOLID WASTE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-123T—LEADED RUBBER			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-241T—AMERICIUM PROCESS RESIDUE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-290—FILTER SLUDGE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-292T—CEMENTED SLUDGE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-300T—GRAPHITE MOLDS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-RFO-301T—GRAPHITE CORES			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-302T—BENELEX AND PLEXIGLASS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-312T—COARSE GRAPHITE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-320T—HEAVY NONSPECIAL SOURCE METAL			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-328T—FULFLO INCINERATOR FILTERS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-330T—DRY PAPER AND RAGS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-335T—ABSOLUTE 8 X 8 FILTERS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-336T—MOIST PAPER AND RAGS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-337T—PLASTICS, TEFLON, WASH, PVC			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-338T—INSULATION AND CHEMICAL WARFARE SERVICE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-339T—LEADED RUBBER GLOVES AND APRONS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-RFO-360T—INSULATION			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-371T—FIREBRICK			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-374T—BLACKTOP, CONCRETE, DIRT, AND SAND			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-375T—OIL-DRI RESIDUE FROM INCINERATOR			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-376T—CEMENTED INSULATION AND FILTER MEDIA			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-409T—MOLTEN SALTS - 30% UNPULVERIZED			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-414T—DIRECT OXIDE REDUCTION SALT			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-430T—UNLEACHED ION COLUMN RESIN			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-431T—LEACHED RESIN			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-432T—LEACHED AND CEMENTED RESIN			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-440T—GLASS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-RFO-441T—UNLEACHED RASHIG RINGS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-442T—LEACHED RASHIG RINGS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-460T—WASHABLES, RUBBER, PLASTICS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-463T—LEADED RUBBER GLOVES AND APRONS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-464T—BENELEX AND PLEXIGLASS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-480T—NONSPECIAL SOURCE METAL			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-481T—LEACHED NONSPECIAL SOURCE METAL			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-490T—CHEMICAL WARFARE SERVICE FILTERS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-700T—ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-900T—LOW SPECIFIC ACTIVITY PLASTICS, PAPER, ETC.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-950T—LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-RFO-970T—WOOD			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-976T—BLDG 776 PROCESS SLUDGE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-980T—FILTER SLUDGE			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-RFO-990T—DIRT			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal - Contact-Handled
	a	CTF	Commercial Treatment Facility
	b	SCDF	Disposal-Contact handled
ID-RFO-9999T—PRE-73 DRUMS			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	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
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

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
ID-TEC-172Ta—INTEC TRU HEPA FILTERS			
	a	RH-TRU	
	b	CPP659	Extraction - HEPA Filter Leach
	c	TRANS	Transportation - TRUPACT
	d	WIPP	Disposal - Remote-Handled
	a	RH-TRU	
	b	CPP659	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
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-699T—MIXED TRU WASTE FROM NWCF AND CSSF			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	WIPP	Disposal - Contact-Handled
ID-TEC-699Ta—MIXED TRU WASTE FROM NWCF AND CSSF			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport - TRUPACT
	c	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-RHNH—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

Table 6-2. (continued).

STP ID/NAME	Step	Facility Abbr.	Unit Name
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
NR-NRF-673—HEAVY METAL DEBRIS			
	a	CTF	Commercial Treatment
	b	SCDF or NNSS	Disposal - Contact-Handled
OFF-SITE MIXED WASTE TREATMENT PLANS			
NOTE: *The INL did not receive any off-Site waste during FY 2019, nor are there plans, currently, to receive any in FY 2020.*			
Argonne National Laboratory – East			
INL AECHHM Lot 2 Sludge			
INL AECHDM Debris			
Los Alamos National Laboratory Waste			
MSG04.001 Lot 1			
MN02-V.001			
LA-MHD01.001 Heterogeneous Debris			
LA-MHD03.001 Heterogeneous Debris			
LA-MHD04.001 Heterogeneous Debris			
LA-MHD09.001 Heterogeneous Debris			
Treatment Plan for Off-Site Waste Streams			
	a	AMWTP	Advanced Mixed Waste Treatment Project
	b	TRANS	Transport – TRUPACT
	c	WIPP	Disposal - Contact-Handled