

CONTENTS

ACRONYMS	vii
NOMENCLATURE	xi
1. PURPOSE AND SCOPE	1-1
1.1 History.....	1-1
1.2 Description of Plan.....	1-1
1.3 Purposes	1-2
1.4 Statutory and Regulatory Requirements	1-2
1.5 Definitions.....	1-3
2. IMPLEMENTATION OF THE SITE TREATMENT PLAN	2-1
2.1 Covered Matters	2-1
2.2 Compliance Schedules	2-1
2.3 Quarterly Meetings, Annual STP Updates, and Reports.....	2-7
2.4 Inclusion of New Mixed Waste Streams.....	2-8
2.5 Revisions	2-9
2.6 Extensions	2-11
2.7 Satisfaction of Requirements and Enforceability	2-12
2.8 Funding	2-13
2.9 Disputes.....	2-16
2.10 Project Manager	2-19
2.11 Notification	2-20
2.12 DOE's NEPA Review and FFC Act Implementation	2-20
2.13 Submittal and Review of Deliverables.....	2-21
2.14 Modification	2-23
3. INL TREATMENT FACILITIES	3-1

INL Site Treatment Plan

- 3.1 INL Treatment Facility Status 3-1
- 3.2 Description of Facilities Required to Treat the MLLW at the INL..... 3-3
 - 3.2.1 Commercial Treatment Facilities 3-3
 - 3.2.2 Debris Treatment and Containment Storage Building..... 3-4
 - 3.2.3 High-Efficiency Particulate Air Filter Leach System..... 3-5
 - 3.2.4 Sodium Process Facility 3-5
 - 3.2.5 Off-Site DOE Treatment Facilities..... 3-6
 - 3.2.6 Sodium Components Maintenance Shop..... 3-6
- 3.3 Description of Facilities Required to Treat the Mixed Transuranic-Contaminated Waste at the INL..... 3-6
 - 3.3.1 Remote-handled Disposition Project..... 3-7
 - 3.3.2 Advanced Mixed Waste Treatment Project..... 3-8
- 3.4 Description of Facilities Required to Treat Waste Associated with Reprocessing at the INL..... 3-8
 - 3.4.1 Calcine Disposition Facility 3-9
 - 3.4.2 SBW Treatment Facility 3-9
- 4. COVERED WASTE 4-1
 - 4.1 Mixed Low-level Waste Streams 4-1
 - 4.2 Transuranic-Contaminated Waste Streams 4-3
 - 4.3 Waste Streams Associated with Reprocessing 4-7
 - 4.4 Off-Site Mixed Waste Streams Identified for Treatment by the INL 4-7
 - 4.5 Pre- and Post-Treatment/Storage of Off-Site Mixed Waste..... 4-8
 - 4.6 Deletion of Waste Streams 4-11
- 5. INL TREATMENT FACILITY SCHEDULES..... 5-1
 - 5.1 Schedules for Treatment Facilities for Which Technology Exists..... 5-1
 - 5.1.1 Mixed Waste to be Treated at Existing Facilities..... 5-1
 - 5.2 Schedules for Treatment Facilities for Which Technology Exists but Needs Adaptation, or for Which No Technology Exists..... 5-3
 - 5.2.1 Mixed Waste to be Treated by Planned Facilities 5-3
 - 5.2.2 Facility-Specific Schedules 5-5
 - 5.3 Schedules for Mixed Waste Streams Planned for Treatment Off-Site 5-5

INL Site Treatment Plan

5.3.1 General Assumptions for Mixed Waste Streams Intended for Treatment
Off-Site.....5-6

5.3.2 General Milestone and Planning Date Descriptions.....5-6

5.3.3 Facility-Specific Schedules5-6

5.4 Mixed Transuranic-Contaminated Waste Shipped to WIPP5-7

5.5 Backlog Schedules for Operating Treatment Facilities.....5-8

6. WASTE STREAM TREATMENT PLANS6-1

TABLES

2-1. Schedule for wastes with existing treatment technologies2-4

2-2. Schedule for mixed waste without existing treatment technologies2-5

2-3. Schedule for radionuclide separation of mixed wastes2-6

3-1. INEEL treatment facilities3-2

4-1. Mixed low-level waste streams requiring treatment4-2

4-2. Transuranic-contaminated waste streams designated for WIPP4-4

4-3. Waste Streams Associated with Reprocessing requiring treatment4-7

4-4. Off-Site waste streams identified for treatment at the INEEL4-8

4-5. Off-Site mixed waste streams approved for pre- and post-treatment storage4-10

4-6. Deleted waste streams4-11

5-1. Milestones/planning dates for mixed wastes with existing treatment technologies5-2

5-2. Milestones/planning dates for mixed waste without existing treatment technologies5-4

5-3. (Reserved)5-6

5-5. Milestones for treatment of waste backlog per treatment unit5-9

6-1. Summary of the treatment selection process by preferred treatment option6-2

6-2. Treatment plans6-8

INL Site Treatment Plan

ACRONYMS

α -MLLW	alpha mixed low-level waste
ACL	Analytical Chemistry Laboratory (ANL-W)
ADS	Activity Data Sheet
AEA	Atomic Energy Act
ALHC	Analytical Laboratory Hot Cell (ANL-W)
AMWTP	Advanced Mixed Waste Treatment Project
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
ATG	Allied Technology Group, Inc.
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CFR	Code of Federal Regulations
CFRMF	Coupled Fast Reactivity Measurement Facility
CH	contact handled
CMT	commercial mercury treatment
CPP	Chemical Processing Plant
CSSF	Calcine Solids Storage Facility
D&D	decontamination and decommissioning
DEQ	Division of Environmental Quality
DOE	Department of Energy
DOE-HQ	Department of Energy-Headquarters
DOE-ID	Department of Energy Idaho Operations Office
DRC	Dispute Resolution Committee
DSSI	Diversified Scientific Services Inc.
EBR-I	Experimental Breeder Reactor I
EBR-II	Experimental Breeder Reactor II
EDTA	ethylenediaminetetraacetic acid
EFL	estimated failure level
EM	Environmental Management
EPA	Environmental Protection Agency

INL Site Treatment Plan

ER	environmental restoration
ETR	Experimental Test Reactor
FCF	Fuel Cycle Facility
FDP	fuel dissolution process
FFC	Federal Facility Compliance (Act)
FMF	Fuel Manufacturing Facility
FY	fiscal year
GTP	generator treatment plan
GWTF	Groundwater Treatment Facility
HEPA	high-efficiency particulate air (filter)
HFEF	Hot Fuel Examination Facility
HLLW	high-level liquid waste
HLW	high-level waste
HTRE-3	Heat Transfer Reactor Experiment No. 3
HWMA	Hazardous Waste Management Act
IBC	interbuilding cask
IBO	Idaho Branch Office
ICP	inductively coupled plasma
ICPP	Idaho Chemical Processing Plant
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
LCAM	Life Cycle Asset Management
LDR	land disposal restriction
LET&D	liquid effluent treatment and disposal
LLM	low-level mixed
LLMW	low-level mixed waste
LLW	low-level waste
LSA	low specific activity (waste)
MIS	Mare Island Naval Shipyard

INL Site Treatment Plan

MLLW	mixed low-level waste
MTR	Materials Test Reactor
MTRU	mixed transuranic (waste)
MW	mixed waste
MWIR	Mixed Waste Inventory Report
MWSF	Mixed Waste Storage Facility
N/A	not applicable
NE	nuclear energy
NEPA	National Environmental Policy Act
NRC	Nuclear Regulatory Commission
NRF	Naval Reactor Facility
NWCF	New Waste Calcining Facility
OMB	Office of Management and Budget
PCB	polychlorinated biphenyl
PCE	perchloroethylene
PESI	Perma-Fix Environmental Services, Inc.
PEW	process equipment waste
PPE	personal protective equipment
PVC	polyvinyl chloride
PWTU	Portable Water Treatment Unit
Q	quarter
R&D	research and development
RCRA	Resource Conservation and Recovery Act
RH	remote handled
RTP	Remote Treatment Project
RWDP	Remote-handled Waste Disposition Project
RWMC	Radioactive Waste Management Complex
SAPC	safe agitene parts cleaner
SBW	sodium-bearing waste
SCDF	Subtitle C Disposal Facility
SCMS	Sodium Component Maintenance Shop
SEG	Scientific Ecology Group (Oak Ridge, Tennessee)
SPF	Sodium Process Facility
STP	Site Treatment Plan

INL Site Treatment Plan

SVA	Sorrento Valley, Building A
SWEPP	Stored Waste Examination Pilot Plant
TAN	Test Area North
TBD	to be determined
TCA	trichloroethane
TCE	trichloroethylene
TCLP	toxicity characteristic leaching procedure
TRA	Test Reactor Area
TRU	transuranic (waste)
TSA	Transuranic Storage Area
TSCA	Toxic Substances Control Act
TSCAI	TSCA Incinerator
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
WIR	Waste Incidental to Reprocessing Determination
WROC	Waste Reduction Operations Complex
WS	waste stream

NOMENCLATURE

CO ₂	carbon dioxide
gal/day	gallons per day
Hg	mercury
m ³	cubic meters
m ³ /yr	cubic meters per year
lb/hr	pounds per hour
Na	sodium
NaK	sodium potassium
Na ₂ CO ₃	sodium carbonate
NaOH	sodium hydroxide
nCi	nanocuries
nCi/g	nanocuries per gram
NO _x	nitrogen oxide
pH	acidity
ppm	parts per million
tons/yr	tons per year
wt%	weight percent

INL Site Treatment Plan

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

INEEL Site Treatment Plan

1
2 Except as provided below or otherwise explicitly stated herein, the terms used in the STP shall
3 have the same meaning as used in the HWMA, IDAPA 16.01.05.000 et seq., RCRA, and the EPA Rules
4 and Regulations, 40 C.F.R. Parts 124, 260 through 268, and 270.

5
6 **Atomic Energy Act or AEA:** The Atomic Energy Act of 1954, as amended, 42 U.S.C. § 2011 et
7 seq.

8
9 **Authorized Representative:** Any person including a contractor or subcontractor who is
10 specifically designated by a Party to act on behalf of that Party in any capacity, including an advisory
11 capacity.

12
13 **Consent Order or Order:** The document to which this approved STP is appended.

14
15 **Covered Waste:** Mixed waste covered by the STP, as described in Subsection 2.1 of the STP.
16 The term includes new mixed waste streams included pursuant to the notice provision of Subsection 2.4
17 of the STP, entitled "Inclusion of New Mixed Waste Streams." The term does not include mixed waste
18 excluded from coverage by Subsections 2.4.4 or 2.8.7 of the STP.

19
20 **Days:** Calendar days, unless otherwise specified. Any submittal under the terms of the STP that
21 would be due on a Saturday, Sunday, or a state or federal holiday shall be due the following business day.

22
23 **Deliverable:** Any written document that is to be placed into a method of delivery (e.g., in the
24 U.S. Mail) in satisfaction of milestones or other requirements under this STP or the Consent Order.

25
26 **Department or IDHW:** The State of Idaho Department of Health and Welfare, successor
27 agencies, employees, and authorized representatives.

28
29 **Division of Environmental Quality or DEQ:** The Idaho Department of Health and Welfare,
30 Division of Environmental Quality, successor agencies, employees, and authorized representatives.

INEEL Site Treatment Plan

1 **DOE:** The United States Department of Energy, including headquarters (DOE-HQ), the Idaho
2 Operations Office (DOE-ID), the Argonne Group - West (ARG-W) of the Chicago Operations Office
3 (DOE-CH), the Idaho Branch Office - Naval Reactors (IBO), and any of DOE's contractors and
4 subcontractors at any tier, successor agencies, employees, and authorized representatives.
5

6 **EPA:** The United States Environmental Protection Agency, including Region 10, and any of its
7 successor agencies, employees, and authorized representatives.
8

9 **Fiscal Year or FY:** October 1 of one calendar year through September 30 of the following
10 calendar year. For example, Fiscal Year (FY) 1994 encompasses October 1, 1993, through September 30,
11 1994.
12

13 **High-Level Waste or HLW:** The term high-level waste or HLW shall have the meaning as set
14 for high-level radioactive waste in DOE Order 5820.2A or any successor DOE orders or amendments.
15 Under current DOE Order 5820.2A, HLW is waste material that results from the reprocessing of spent
16 nuclear fuels, including the liquid waste produced directly in the reprocessing, and any solid waste
17 derived from the liquid that contains a combination of transuranic waste and fission products at
18 concentrations requiring permanent isolation.
19

20 **HWMA:** The Idaho Hazardous Waste Management Act of 1983, as amended, Idaho Code §§
21 39-4401 to 4432 and its implementing rules in IDAPA 16.01.05.000 to .05.999.
22

23 **INL:** The Idaho National Engineering Laboratory, including facilities and installations in or near
24 Idaho Falls, Idaho and at the Site.
25

26 **INL Site or Site:** The site described in 54 Federal Register 48184 (November 21, 1989).
27

28 **Land Disposal Restrictions or LDR:** The limitations on land disposal and storage of waste set
29 forth in IDAPA §§ 16.01.05.011 (RCRA, 42 U.S.C. § 6924; 40 C.F.R. Part 268).
30

INEEL Site Treatment Plan

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

3
4 **LDR Requirement or Standard:** The level(s) or method(s) of treatment or management
5 specified in IDAPA § 16.01.05.011 (40 C.F.R. Part 268) for a waste subject to the land disposal or
6 storage restriction under Section 3004 of RCRA (42 U.S.C. 6924).

7
8 **LDR Waste:** Waste subject to the requirements of the land disposal and storage restrictions of
9 IDAPA § 16.01.05.011 (40 C.F.R. Part 268).

10
11 **Milestone:** Fixed, firm, and enforceable date as set forth in this STP and Consent Order.

12
13 **Mixed Waste:** Waste that contains both hazardous waste and source, special nuclear, or by-
14 product material subject to the Atomic Energy Act of 1954. 42 U.S.C. § 2011 et seq.; RCRA, 42 U.S.C. §
15 6903(41).

16
17 **Mixed Low Level Waste or MLLW:** The term mixed low-level waste or MLLW shall mean
18 waste that contains both low-level radioactive waste or LLW (source, special nuclear or by-product
19 material subject to the Atomic Energy Act of 1954, 42 U.S.C. § 2011 et seq.) and hazardous waste. The
20 low-level radioactive waste component of the MLLW shall have the same meaning as given to "low-level
21 waste" in DOE Order 5820.2A (i.e., currently defined in the order as "Waste that contains radioactivity
22 and is not classified as high-level waste, transuranic waste, or spent nuclear fuel or 11e(2) by-product
23 material as defined by this Order. Test specimens of fissionable material irradiated for research and
24 development only, and not for the production of power or plutonium, may be classified as low-level
25 waste, provided the concentration of transuranic is less than 100 nCi/g.") or any successor DOE orders or
26 amendments.

27
28 **New mixed waste stream:** Mixed waste generated onsite from a new or unique activity or
29 generated offsite not previously identified by an identification number and name in Section 4, Covered
30 Waste, of the STP.

INEEL Site Treatment Plan

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

4
5 **Offsite:** Any facility or installation other than **INL**.

6
7 **Onsite:** The **INL**, as that term is defined in this definition section.

8
9 **Planning Date:** The anticipated completion date of tasks which have not been designated as
10 milestones and which refer to events occurring beyond the DOE three year budget cycle planning period.
11 Planning dates are not requirements and are not enforceable.

12
13 **Project Manager:** Any official designated pursuant to Section 2.10, "Project Manager," of the
14 STP, to coordinate, monitor, or determine actions required by the STP or Consent Order.

15
16 **Radionuclide Separation:** For the purposes of the STP, the term "radionuclide separation" shall
17 mean the segregation of the radioactive portion of the mixed waste from the hazardous portion of the
18 mixed waste and may include storage (not RCRA treatment) of mixed waste for the purposes of allowing
19 for radioactive decay of the radioactive portion of the mixed waste to facilitate proper recovery,
20 treatment, or disposal in compliance with RCRA Section 3004(j).

21
22 **RCRA:** The Resource Conservation and Recovery Act (the Solid Waste Disposal Act), 42
23 U.S.C. § 6901 et seq., as amended by the Hazardous and Solid Waste Amendments of 1984, Pub. L. No.
24 98-616, 98 Stat. 3221 (1984), and the Federal Facility Compliance Act of 1992, Pub. L. No. 102-386, 106
25 Stat. 1505 (1992).

26
27 **Site Treatment Plan or STP:** This plan for developing mixed waste treatment technologies and
28 capacities for **INL** covered waste, as approved by DEQ pursuant to the FFC Act of 1992, Pub. L. No.
29 102-386, 106 Stat. 1505 (1992).

INEEL Site Treatment Plan

1 **Storage:** The term shall have the meaning set forth in Section 1004(33) of RCRA (42 U.S.C. §
2 6903(33)), 40 C.F.R. § 260.10, and IDAPA 16.01.05.000 et seq., the holding of hazardous waste for a
3 temporary period, at the end of which the hazardous waste is treated, disposed of, or stored elsewhere.
4

5 **Transuranic Waste or TRU Waste:** The term shall have the meaning set forth in Section 11(ee)
6 of the Atomic Energy Act of 1954, as amended, 42 U.S.C. § 2014(ee) and DOE Order 5820.2A (currently
7 defined in the order as "radioactive waste that contains greater than 100 nCi/g of isotopes with atomic
8 numbers greater than 92 and half-lives greater than 20 years") or any successor DOE orders and
9 amendments.
10

1 **2. IMPLEMENTATION OF THE SITE TREATMENT PLAN**
2

3 This section establishes the mechanisms and procedures for administering and implementing the
4 treatment plans and schedules set forth in Section 5.
5

6 **2.1 Covered Matters**
7

8 The STP and Consent Order address LDR requirements pertaining to storage and treatment of
9 covered wastes, whether such wastes were generated or accumulated in the past, present, or future during
10 the pendency of the STP and implementing Consent Order. Covered wastes are those mixed wastes at
11 INL identified in Section 4 of the STP or added to the STP in accordance with Section 2.4, "Inclusion of
12 New Mixed Waste Streams," set forth below, except those mixed wastes which meet regulatory
13 requirements.
14

15 **2.2 Compliance Schedules**
16

17 **2.2.1** The STP provides overall schedules for achieving compliance with LDR requirements for mixed
18 wastes at INL. The schedules include those activities required to bring existing waste treatment facilities
19 or technologies into operation, and those required to develop new facilities and capacity for treatment.
20 The STP schedules show milestones and planning dates for treatment technologies and facilities for
21 covered wastes.
22

23 **2.2.1.1** For the purposes of the STP, milestones and planning dates shall identify dates or time
24 frames by which a certain activity (including an event such as submittal of a deliverable) is scheduled to
25 occur.
26

27 **2.2.1.2** Milestones are fixed, firm, and enforceable dates as set forth in the STP. Milestones
28 correspond to the categories of milestones set forth below in Section 2.2.3. Extensions or Revisions to
29 milestones are subject to approval, approval with modifications, or disapproval by the DEQ according to
30 the process and framework set forth in this STP. Milestones are set based on planning dates, in
31 accordance with the process in Section 2.2.2.
32

33 **2.2.1.3** Planning dates are estimated events beyond the DOE three year budget cycle planning

1 period. Planning dates are not enforceable requirements. Planning dates shall be converted to milestones
2 in accordance with Section 2.2.2. DOE may, by written notification to DEQ, extend a planning date up to
3 a total of one year. Cumulative extensions of greater than one year to any planning date requires approval
4 by the DEQ and are subject to the Revision procedures (Section 2.5) of this STP.

5
6 **2.2.2 Milestones and Planning Dates**

7
8 **2.2.2.1** For the purposes of this STP, milestones shall identify specific dates in a three year rolling
9 period consisting of the current fiscal year (FY) plus two additional fiscal years (FY+1 and FY+2) by
10 which a certain activity (including an event such as submittal of a deliverable) is scheduled to occur and
11 which will be enforceable as set forth in this STP. Planning dates are dates that are outside the three year
12 rolling period (e.g., FY+3, FY+4) and which are unenforceable estimated schedule dates.

13
14 **2.2.2.2** Milestones will be established for a three year period consisting of the current fiscal year
15 plus two additional fiscal years (FY+1 and FY+2) as follows:

16
17 **2.2.2.2.1** On the effective date of this STP and Consent Order, enforceable milestones are
18 established for a three year period. Additionally, planning dates are established for the outlying fiscal
19 years. Subsequently, after expiration of a fiscal year, FY+1 milestones shall be converted to current fiscal
20 year milestones. FY+2 milestones shall be converted to FY+1 Milestones. The FY+3 planning dates
21 shall be converted to FY+2 milestones. All conversions will be automatic and remain in effect, unless
22 DOE notifies the DEQ of any proposed changes. Such changes may be made necessary as DOE identifies
23 milestones and planning dates which cannot be accomplished within available funding levels.
24 Notification of proposed changes to current year milestones (and any adjustments to affected milestones
25 or planning dates) under this paragraph will be submitted in accordance with the applicable provisions of
26 this STP, including, as appropriate, Section 2.14 (Modification), 2.5 (Revisions) or 2.6 (Extensions)
27 within 45 days of DOE-ID, ARG-W, and IBO receiving their approved fiscal year funding allocation
28 from DOE-HQ. Notification of proposed changes to FY+1 and FY+2 milestones (and any adjustments to
29 affected milestones or planning dates) under this paragraph may be submitted in accordance with the
30 applicable provisions of this STP, including 2.14 (Modification), 2.5 (Revisions) or 2.6 (Extensions)
31 within a reasonable period after DOE-ID receives the President's budget request (for FY+1 milestones)
32 and the Office of Management and Budget (OMB) target level funding (for FY+2 milestones). Nothing
33 in this section precludes DOE from proposing or requesting changes to milestones or planning dates at

1 other times. All proposed changes to milestones are subject to Section 2.8, "Funding," and where the
2 Parties cannot agree, to Section 2.9, "Disputes."

3
4 **2.2.2.2.2** In establishing and adjusting milestones and planning dates pursuant to this section,
5 the following, at a minimum, will be considered: (a) funding availability as it is appropriated by
6 Congress, and the amount of funds provided to the INL by DOE in its Approved Funding Programs for
7 the current fiscal year for waste management activities and the President's budget for the next fiscal year
8 (FY+1) and associated out-year funding targets for environmental management for the INL, (b) sitewide
9 waste management priorities, (c) cost estimates, (d) new or emerging technologies, and (5) other new STP
10 information.

11
12 **2.2.2.3** Schedule dates shall be identified by reference to fiscal year quarters and the specific date
13 of the milestone or planning date shall be the last day of the quarter identified. The first quarter or "1Q"
14 shall have December 31 as its corresponding specific date. The second quarter or "2Q" shall have March
15 31 as its corresponding specific date. The third quarter or "3Q" shall have June 30 as its corresponding
16 specific date. The fourth quarter or "4Q" shall have September 30 as its corresponding specific date.

17
18 **2.2.3 Categories of Milestones and Planning Dates**

19
20 The categories of activities for which milestones and planning dates will be provided are the
21 different types of treatment approaches in the STP and are listed in Tables 2-1 through 2-3 and in other
22 provisions below. The categories of activities are based on Section 3021(b)(1)(B)(i), (ii) and (iii) of
23 RCRA, as appropriate.

24
25 **2.2.3.1 Plan Where Treatment Technologies Exist [RCRA Section 3021(b)(1)(B)(i)].** For
26 identified and developed treatment technologies for waste which will be treated on-site, the milestones
27 and planning dates identified in Section 5.1, "Schedules for Treatment Facilities for Which Technology
28 Exists," shall apply. When submitting new schedules under this subsection to DEQ for approval, DOE
29 shall propose appropriate milestones and planning dates from the categories of milestones in Table 2-1
30 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

1
2
3
4
5
6
7
8
9
10

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.

1

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.

2

3

4

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

5

6

7

8

9

10

11

12

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

Table 2-3. SCHEDULE FOR RADIONUCLIDE SEPARATION OF MIXED WASTES

Categories of Milestones/Planning dates:

- a) Submit estimation of the volume of waste generated by each case of radionuclide separation
- b) Submit estimation of the volume of waste that would exist or be generated without radionuclide separation
- c) Submit estimation of the costs of waste treatment and disposal if radionuclide separation is used, compared to the estimated costs if it is not used
- d) Submit assumptions underlying such waste volume and cost estimates

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19

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 Offsite." 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

1 shipped to the Waste Isolation Pilot Plant (WIPP), the requirements, milestones and planning dates are
2 identified in Section 5.4, "Mixed Transuranic-Contaminated Waste Shipped to WIPP."

3
4 **2.2.3.7 Plan for On-Site Mixed Wastes not Sufficiently Characterized to Allow Identification**
5 **of Appropriate Treatment.** For new on-site mixed waste streams requiring characterization to identify
6 appropriate treatment milestones and planning dates, DOE shall submit a plan for characterization to the
7 DEQ for approval. The characterization plans are in Section 5.5, "Mixed Waste Streams Requiring
8 Further Characterization."
9

10 **2.3 Quarterly Meetings, Annual STP Updates, and Reports**

11
12 **2.3.1** This section provides a mechanism to: (a) communicate and exchange information about
13 schedule, technology development, funding and other concerns that affect the implementation of the STP;
14 (b) propose and establish the next ensuing milestones; and (c) update and propose changes or Revisions to
15 the STP.
16

17 **2.3.2 Quarterly Meetings** The Project Managers shall meet each quarter to discuss progress on
18 milestones and planning dates, any changes to waste streams and volumes, and other pertinent
19 information. In order to facilitate these meetings, DOE shall provide in writing to the DEQ Project
20 Manager notification of new waste streams, an updated STP errata sheet, notification of completed
21 milestones for the quarter, and a proposed agenda for the meeting. Proposed changes or revisions to the
22 STP may be included in writing for discussion at the meeting.
23

24 **2.3.3 Annual Update to the STP** By each November 15 after the fiscal year in which the STP is
25 approved, the DOE shall submit an Annual Update to the STP to the DEQ. The Annual Update to the
26 STP shall incorporate any covered waste volume changes, planning date extensions less than one year,
27 approved milestone extensions less than one year, or Revisions to the STP over the previous fiscal year.
28 Subsequent changes or Revisions to the STP during the current fiscal year shall be indexed on an STP
29 errata sheet to be submitted by DOE to the DEQ at least quarterly.
30

31 **2.3.4** At the same time and along with the Annual Update to the STP, DOE shall submit to the DEQ an
32 Annual STP Report to the STP for review and comment. The Annual STP Report:
33

- 1 (a) Shall include and collate information from the Quarterly Project Manager meetings and
2 provide the DEQ with information to track progress on milestones and planning dates
3
- 4 (b) May include any proposed Extensions, Revisions (including proposed waste treatment
5 plans for new waste streams) or other changes to the STP
6
- 7 (c) Shall include information on DOE's funding for the STP and identify any funding issues
8 which may impact the STP schedules
9
- 10 (d) May include notification of planning date extensions and changes in covered waste
11 volumes
12
- 13 (e) May be a vehicle for input from the public, affected states, and EPA to be obtained if
14 Revisions to the STP are proposed.
15

16 **2.4 Inclusion of New Mixed Waste Streams**

17

18 **2.4.1** This section establishes a method for including new mixed waste streams which are discovered,
19 identified, generated on-site, or to be received from off-site, and mixed waste streams which are generated
20 on-site through environmental restoration to the extent such wastes are to become identified as a covered
21 waste pursuant to Section 2.1 and as set forth in this section (including wastes covered by the Federal
22 Facility Agreement and Consent Order executed by the State of Idaho, DOE, and EPA on December 9,
23 1991, which would otherwise not be covered by this STP pursuant to RCRA Section 3021(b)(1)(ii)).
24

25 **2.4.2** DOE shall provide written notification to the DEQ as part of the Quarterly Meetings of new
26 mixed waste streams which have been discovered, identified, or generated and stored on-site, and mixed
27 wastes anticipated to be generated and stored at INL, which are expected to be covered wastes. Unless
28 and until the proposed waste treatment plan of Section 2.4.4 is disapproved by DEQ after exhaustion of
29 disputes procedures or appeal under Section 2.9, the mixed waste will be covered waste and subject to the
30 requirements of this STP (a) upon receipt of such notification, (b) when generated or stored at INL after
31 notification, or (c) such other time as specified in the notification, whichever is later. DOE shall provide
32 a description of the waste codes, waste form, volume, technology and capacity needs, and similar
33 pertinent information in the Quarterly Meetings. Any revisions to the STP Section 2.2, "Compliance

1 Schedules," shall be proposed in the Quarterly Meetings or the next regularly scheduled Annual STP
2 Report. The information provided pursuant to this subsection is subject to DEQ approval to the extent
3 provided for in Subsection 2.4.4.
4

5 **2.4.3.** If DOE cannot provide such information or schedules as required by 2.4.2 because of inadequate
6 characterization or it is otherwise impracticable, DOE shall submit for approval a proposed plan and
7 schedule for complying with Section 2.4.2, along with appropriate justification and supporting
8 information.
9

10 **2.4.4.** DOE shall submit a proposed waste treatment plan for new waste streams to the DEQ for
11 approval, approval with modification or disapproval under Section 2.13, "Submittal and Review of
12 Deliverables". The waste treatment plan ties the new wastes to facilities under this STP and may consist
13 of proposed changes to Section 4, "Covered Waste," of this STP. DOE may also propose changes or
14 revisions to the STP schedules to accommodate new waste streams. In the absence of DEQ approval, new
15 waste shall no longer be covered waste for the purposes of this STP after conclusion of Dispute
16 Resolution or appeal under Section 2.9.
17

18 **2.5 Revisions**

19

20 **2.5.1** A Revision to the STP requires, for those affected portions of the STP, publication of a notice of
21 availability to the public and consultation with affected states and EPA pursuant to this STP and Section
22 3021(b)(2) and (3) of RCRA. A Revision is (a) the addition of a treatment facility at INL or technology
23 development not previously included in the STP, (b) extension to a milestone or planning date for a
24 period greater than one year, or (c) waste treatment plans for a new waste stream. Changes in waste
25 volume of covered waste; extensions or changes to milestones or planning dates for a period less than one
26 year shall not, by themselves, constitute a Revision.
27

1 **2.5.2** Revisions to the STP shall be made as follows:
2

3 **2.5.2.1** DOE shall propose Revisions to the STP and provide supporting information for the
4 Revision in writing pursuant to Quarterly Meetings or in the Annual STP Report pursuant to Section 2.13,
5 Submittal and Review of Deliverables. Under those procedures, DEQ may conditionally approve the
6 Revision or return it to DOE with comments so that changes can be made for resubmittal, or disapprove it
7 within 30 days. Approvals with modification or disapprovals may be subject to the procedures of Section
8 2.9, Disputes. In reviewing the Proposed Revision, DEQ shall consider the need for regional treatment
9 facilities. Conditional approval of a Revision is a determination by the DEQ that the Revision is
10 acceptable subject to the results of public comment and consultation with affected states and EPA.

11 **2.5.2.2** Within 30 days subsequent to conditional approval, the DEQ shall publish a notice of
12 availability and make the proposed revision available to the public for review and comment and to
13 affected states and EPA for consideration and consultation. Revisions shall be approved or approved with
14 modification or disapproved by DEQ within 6 months after DEQ's receipt of the Proposed Revision. Any
15 approval with modifications or disapproval of the Proposed Revision shall include supporting explanation
16 and information. DOE shall have 30 days to discuss the approval with modifications or disapproval with
17 DEQ. If agreement is not reached on the proposed modifications in this 30 day period, the procedures of
18 Section 2.9, Disputes, will apply.
19

20 **2.5.3** To the extent practicable, comments from the public, affected states, and EPA on the
21 conditionally approved Revisions will be obtained in conjunction with the Annual STP Report. However,
22 if a conditionally approved Revision is proposed to become effective before it could be addressed in the
23 regularly scheduled Annual STP Report, the DEQ shall publish a Notice of Availability and consult with
24 affected states and EPA, as appropriate, within 30 days of such conditional approval. In the event that the
25 final approved Revision differs from the conditionally approved Revision after public comment and
26 consultation, DOE shall not be subject to enforcement actions for interim activities conducted in
27 accordance with the conditionally approved Revision.
28

2.6 Extensions

1
2
3 **2.6.1** A milestone may be extended or a planning date may be extended for a period of greater than one
4 year upon receipt of a timely request for extension where good cause exists. Any request for an extension
5 shall be made to the DEQ in writing prior to the milestone or planning date. The written request shall be
6 provided to DEQ's project manager and shall be part of the Quarterly Meetings or Annual STP Report as
7 practicable. The written request shall specify:

- 8
9 (a) The milestone or planning date sought to be extended;
- 10
11 (b) The length of the extension sought;
- 12
13 (c) The good causes(s) for the extension; and
- 14
15 (d) Any related milestone or planning date that would be affected if the extension were
16 granted.

17
18 **2.6.2** Good cause for an extension includes, but is not limited to:

- 19
20 (a) Inadequate funding after DOE complies with Section 2.8, Funding.
- 21
22
23 (b) A delay caused by DEQ's failure to meet any requirement imposed under the STP or
24 Consent order.
- 25
26 (c) A delay caused by the good faith invocation of dispute resolution or the initiation of
27 administrative or judicial action;
- 28
29 (d) A delay caused, or which is likely to be caused, by the grant of an extension in regard to
30 another milestone;
- 31
32 (e) A delay caused by additional work agreed to by DOE and the DEQ;
- 33

- 1 (f) Circumstances unforeseen at the time this STP was prepared that significantly affects the
2 work required under the STP;
- 3
- 4 (g) Delay in review of a permit application;
- 5
- 6 (h) Inconsistency with the requirement of any other existing agreement, order, or permit
7 between DOE and DEQ; and
- 8
- 9 (I) Any other event or series of events mutually agreed to by DOE and the DEQ as
10 constituting good cause.
- 11

12 **2.6.3** Absent agreement of the DOE and the DEQ with respect to the existence of good cause, either or
13 both of them may seek and obtain a determination through the dispute resolution process, Section 2.9,
14 Disputes, whether or not good cause exists.

15

16 **2.6.4** For extension requests by DOE, the procedures of Section 2.13, “Submittal and Review of
17 Deliverables”, shall apply. Pursuant to that provision, if the DEQ approves the requested
18 extension, the affected milestone shall be extended accordingly up to one year. Requested
19 extensions for more than one year may be conditionally approved as proposed Revisions.

21 **2.7 Satisfaction of Requirements and Enforceability**

22

23 **2.7.1** Deletion of Wastes - The requirements of the STP and Consent Order shall be satisfied with
24 regard to any covered waste upon DOE's notice to the DEQ and DEQ's concurrence under 2.7.3 of the
25 following:

- 26
- 27 (a) Completion of treatment pursuant to the STP;
- 28
- 29 (b) Shipment of such waste off-site for treatment, storage, or disposal;
- 30
- 31 (c) Changes to statute or regulation or determinations of the regulatory authority which cause
32 such waste to be no longer subject to the requirements of RCRA or the LDR
33 requirements of RCRA;

- 1 (d) Storage for the sole purpose of accumulating such quantities of covered wastes as are
2 necessary to facilitate proper recovery, treatment, or disposal in compliance with HWMA
3 and RCRA;
4
- 5 (e) Information demonstrating the waste meets the treatment standards of RCRA, Section
6 3004(m);
7
- 8 (f) Treatment in accordance with the conditions of an approved LDR treatability variance; or
9
- 10 (g) Mutual agreement between DOE and the DEQ.
11

12 **2.7.2** The STP shall be satisfied either at such time as (1) there is no longer any mixed waste,
13 regardless of when generated, being stored or generated at the INL which does not meet LDR
14 requirements or (2) all mixed waste, regardless of when generated, at the INL is being stored, solely for
15 the purpose of accumulating sufficient quantities of mixed wastes as are necessary to facilitate proper
16 recovery, treatment, or disposal.

17 **2.7.3** DOE will notify the DEQ of such satisfaction in writing pursuant to the Quarterly Meetings or
18 Annual STP Reports. The DEQ shall approve or disapprove the notice in writing within 30 days. Any
19 disapproval by DEQ shall be subject to the provisions of Section 2.9, Disputes.
20

21 **2.8 Funding**

22

23 **2.8.1** DEQ shall have an opportunity to have input formulating the INL budget and setting the INL
24 budget priorities as set forth in this section and Section 2.2.2, Milestones and Planning dates. Nothing in
25 the STP affects DOE authority over its budget and funding level submissions. Further, any requirement
26 for the expenditure or obligation of funds by DOE established by the terms of the STP and Consent Order
27 requiring compliance with the STP would be subject to the availability of appropriated funds, and no
28 provision of the STP or Consent Order shall be interpreted to require the obligation or expenditure of
29 funds in violation of the Anti-Deficiency Act, 31 U.S.C. § 1341, as amended. In cases where the
30 expenditure or obligation of funds would constitute a violation of the Anti-Deficiency Act, the dates
31 established requiring the expenditure or obligation of such funds shall be appropriately adjusted.

32 **2.8.2** It is the expectation of the Parties that all obligations of DOE arising under this STP and Consent
33 Order will be fully funded. The Parties recognize that successful implementation of this STP and Consent

1 Order is dependent upon prudent use of resources and that resource requirements and constraints will be
2 considered during the work planning, budget formulation, and budget execution process. To ensure the
3 development of responsible budget requests consistent with the requirements of the STP and applicable
4 federal/state statutes, the Parties will work cooperatively and in good faith.

5
6 **2.8.3** DOE shall take all necessary steps to obtain sufficient funding to comply with the provisions of
7 this STP as set forth in this section through consultation with DEQ and submission of timely budget
8 requests.

9
10 **2.8.4** Pursuant to Section 2.10, the Project Managers will meet periodically and discuss projects being
11 funded in the current FY and any events or new information that may cause significant changes to
12 schedules or other issues relevant to activities being performed under this STP and Consent Order. DOE
13 shall provide projected and actual cost information regarding such changes for these meetings, to the
14 extent practicable.

15 **2.8.5** DOE shall consult with DEQ in formulating its annual INL Environmental Management (EM)
16 FY+2 budget request as set forth in this section.

17
18 **2.8.5.1** No later than 30 days prior to the submission of their budget requests to DOE-HQ, DOE-
19 ID, ARG-W, and IBO (as appropriate) shall provide DEQ with information or a briefing on the proposed
20 INL EM FY+2 budget allocation, including appropriate supporting documents. In the process of
21 formulating its annual FY+2 budget request, DOE may be subject to target funding guidance directed by
22 the Office of Management and Budget (OMB). The information or briefing will address the impacts of
23 such OMB target funding guidance.

24
25 DOE agrees not to release confidential budget information to any other person or entity prior to
26 submission by the President of his budget request to Congress unless authorized by DOE or required to
27 do so by court order. DOE may seek to intervene in any proceeding brought to compel or enjoin release
28 of this information. If allowed to intervene, DOE shall assert its interest in, and the legal basis for,
29 maintaining the confidentiality of this information.

1 **2.8.5.2** Before DOE-ID, ARG-W (through DOE-CH), or IBO submit their annual EM budget
2 request and supporting budget formulation documents, if any, to DOE-HQ, the Parties shall attempt to
3 reach agreement regarding work scope, priorities, schedules/milestones, and funding levels required to
4 accomplish the purpose of the STP and Consent Order. DEQ shall, to the extent practicable, provide
5 comments on the proposed budget request and proposed activities and make recommendations
6 appropriate to accomplish the intent of the STP, including those that cannot be accommodated within the
7 respective environmental management funding target level for the DOE-ID, ARG-W, and IBO.

8
9 **2.8.5.3** DOE-ID, ARG-W, and IBO may revise their EM budget requests and supporting
10 documents, if any, to resolve the comments of DEQ to the extent agreed by the Parties or DOE otherwise
11 deems it appropriate.

12
13 **2.8.5.4** DOE-ID, ARG-W (through DOE-CH), and IBO will submit to DOE-HQ their EM
14 budget requests with detailed budget formulation documents, if any, and shall forward with it the target
15 budget level funding and any unresolved issues regarding funding for additional or accelerated activities
16 submitted by DEQ, and any other unresolved issues raised by DEQ. If these issues are not subsequently
17 resolved prior to DOE's submission of its budget to OMB, DOE-HQ shall forward in conjunction with its
18 budget request any such unresolved issues and additional or accelerated activities, and related funding
19 information to OMB.

20
21 **2.8.6** Funds authorized and appropriated annually by Congress for EM activities (currently under the
22 “Defense Environmental Restoration and Waste Management”, and “Energy Supply, Research and
23 Development Activities” appropriation(s) in the Energy and Water Development Appropriations Act) and
24 allocated by the DOE Assistant Secretary for Environmental Management to INL waste management
25 activities or other specifically designated funds for INL waste management activities will be the sole
26 source of funds for activities required by this STP.

27
28 **2.8.6.1** If funding has been requested as described in Subsections 2.8.4 - 2.8.5, and if
29 appropriated funds allocated to INL for waste management activities by the DOE Assistant Secretary for
30 Environmental Management are not available to accomplish the milestones and planned activities under
31 this STP and Consent Order, the Parties shall attempt to negotiate appropriate extensions under this STP.

32
33 **2.8.6.2** If the Parties are unable to reach agreement, then the Parties shall use Section 2.9,
34 Disputes, to determine the extent that activities shall be adjusted or the length of the extensions for

1 milestones and planning dates in order to accommodate the INL FY funding allocation for waste
2 management activities. The Parties agree that, unless DOE-ID, ARG-W (through DOE-CH), or IBO has
3 not followed the procedures set out in Subsections 2.8.4 - 2.8.5, the dispute resolution procedure shall not
4 result in a decision requiring activities that DOE-ID, ARG-W, or IBO cannot accomplish given its FY
5 funding allocation for waste management activities. Failure to agree on adjustments to FY+1 or FY+2
6 milestones in the current fiscal year shall not prejudice DOE's right to request adjustments to these
7 milestones in subsequent fiscal years or to appeal any decision of the DEQ regarding such future requests.

8
9 **2.8.7** If DEQ agrees or a court determines, after dispute resolution and exhaustion of administrative
10 appeals, that DOE funding is insufficient to meet any milestone and the Parties cannot agree on an
11 appropriate modification, the milestone shall be null and void and not subject to the remedy of specific
12 performance. However, any mixed waste associated with such milestone shall, subsequent to such
13 agreement or final determination, be deemed to not be covered waste under this STP, and DOE shall be
14 subject to administrative or judicial enforcement actions for storage and any other violation of RCRA or
15 HWMA with regard to such mixed waste.

16
17 **2.8.8** If the DOE-ID, ARG-W, or IBO takes steps, as set forth in this section, through consultation with
18 DEQ, this will constitute a good faith effort to comply with the requirements of this STP and Consent
19 Order. Subsequent receipt of less funding than submitted shall not constitute a knowing violation under
20 RCRA or applicable State law for purpose of criminal or civil fines and penalties.

21
22 **2.8.9** Nothing herein shall affect DOE's ultimate authority and responsibility to formulate and submit to
23 the President appropriate budget requests and to allocate appropriated funds to meet the DOE's
24 obligation and to serve the DOE's missions.

25 26 **2.9 Disputes**

27
28 **2.9.1** Except as specifically set forth elsewhere in the STP, any action which leads to or generates a
29 dispute regarding the STP or its revision is subject to resolution under this section. The dispute
30 resolution procedures of this section shall be followed and exhausted before pursuing any other legal
31 remedy in any other forum.

32
33 **2.9.2** DOE and the DEQ shall make reasonable efforts to informally resolve disputes as expeditiously

1 as possible at the project manager level. If resolution cannot be achieved informally, either Party may
2 elevate the dispute for resolution by requesting in writing to the other Party that the dispute be elevated
3 pursuant to this section. If resolution appears imminent, upon agreement of both Parties in writing, the
4 informal resolution period may be extended.
5

6 **2.9.3** When formal dispute resolution is initiated, the disputing Party shall submit to the other Party a
7 written Notice of Dispute specifying:

- 8
- 9 (a) the nature of the dispute;
 - 10
 - 11 (b) the work affected by the dispute;
 - 12
 - 13 (c) the disputing Party's position with respect to the dispute; and
 - 14
 - 15 (d) the information the disputing Party is relying upon to support its position.
16

17 The written Statement of Dispute shall be forwarded to both members of the Dispute Resolution
18 Committee (DRC).
19

20 **2.9.3.1** The DRC will serve as a forum for resolution of disputes for which agreement has not
21 been reached through the informal dispute resolution process. The DEQ representative on the DRC is the
22 Chief, DEQ's Operating Permits Bureau. The DOE representative of the DRC is the appropriate DOE-ID
23 Program Manager with responsibility for waste management.
24

25 **2.9.3.2** Following elevation of a dispute to the DRC, the DRC shall have thirty (30) days to
26 unanimously resolve the dispute and issue a written decision. If the DRC is unable to unanimously
27 resolve the dispute within this thirty (30) day period, the written Statement of Dispute from the disputing
28 Party (as described in Section 2.9.3) and a written formal position from the other Party shall be forwarded
29 within ten (10) days to the Administrator of DEQ for resolution.
30

31 **2.9.3.3** If either Party at the DRC level identifies issues at any time during the dispute resolution
32 process that are deemed pertinent to national policies or to the policies of the State of Idaho, either Party
33 may refer the dispute to the Administrator of DEQ for resolution pursuant to Section 2.9.3.4. Upon
34 agreement of the Parties at any point in the dispute process that resolution of a dispute is immediately

1 necessary to avoid, prevent, or respond to the emergency conditions, the dispute may be escalated to the
2 Administrator of DEQ for resolution pursuant to Section 2.9.3.4.

3
4 **2.9.3.4** Upon escalation of the dispute to the Administrator pursuant to this section, the
5 Administrator will review and resolve the dispute within thirty (30) days. Disputes escalated based on
6 emergency conditions, as set forth in Subsection 2.9.3.3 above, shall be resolved by the Administrator as
7 soon as reasonably possible. Before resolving the dispute, the Administrator shall meet and confer with
8 the DOE-ID Manager to discuss the issue(s) under dispute. Upon resolution, the Administrator shall
9 provide DOE with a written decision setting forth resolution of the dispute. The duties of the
10 Administrator set forth in this Subsection shall not be delegated.

11
12
13 **2.9.3.5** The DOE reserves the right to either accept the decision of the Administrator or to seek
14 administrative or judicial review of the decision under the Idaho Administrative Procedure Act.

15
16 **2.9.3.6** The thirty (30) day review periods mentioned above in Sections 2.9.3.2, and 2.9.3.4 may
17 be extended by the mutual agreement of the Parties, as necessary, to complete the resolution of a dispute.

18
19 **2.9.4** The pendency of any dispute under this section shall not affect DOE's responsibility for timely
20 performance of the work required pursuant to this STP, except that the time period for completion of
21 work affected by such dispute shall be extended for a period of time not to exceed the actual time taken to
22 resolve any good faith dispute in accordance with the procedures specified herein. All elements of work
23 required by the STP that are not affected by the dispute shall continue and be completed in accordance
24 with the applicable schedule.

25
26 **2.9.5** For issues involving areas under the responsibility or authority of the Argonne Group - West or
27 the Idaho Branch Office - Naval Reactors, representatives for those offices of comparable authority and
28 rank to the DOE-ID representatives shall be added or substituted in the dispute resolution process.

29
30 **2.9.6** In the event of organizational changes, representatives of comparable authority and rank shall be
31 substituted in the above procedures.

32
33 **2.10 Project Manager**

1
2 **2.10.1** Within ten (10) days of the effective date of the STP, DOE and the DEQ shall designate a Project
3 Manager. DOE and the DEQ shall each notify the other in writing of the Project Manager they have
4 selected. DOE shall also designate the DOE Project Manager's designee for ARG-W and IBO. The
5 DOE's Project Managers designees shall have authority and responsibility for addressing matters within
6 the cognizance of their respective offices, in coordination with the DOE Project Manager. Each Project
7 Manager shall be responsible for overseeing the implementation of the STP. Either the DOE or DEQ may
8 change its designated Project Manager by notifying the other in writing , ten (10) days before the change,
9 to the extent possible. To the extent possible, communications between the DOE and DEQ concerning
10 the terms and conditions of the STP shall be directed through the Project Managers. Each Project
11 Manager shall be responsible for assuring that all communications from the other Project Manager are
12 disseminated appropriately to that responsible Project Manager's organization.

13
14 **2.10.2** The Project Managers shall have authority or obtain the appropriate level of authority to act for
15 their respective agency to agree to changes to schedules and requirements, subject to the provisions of the
16 STP on Disputes and Revisions. The Project Managers shall meet quarterly (see Section 2.3.2) to discuss
17 progress and problems relating to all work under the STP. As a requirement of the agenda for each
18 meeting, the DEQ shall notify DOE of all potential issues or problems regarding compliance with the
19 STP. Additionally, the status of the curing of any previously identified problems or issues of compliance
20 shall be provided and discussed. Additional meetings may be requested by either Project Manager to
21 discuss issues, problems, or activities associated with this STP.

22
23 **2.10.3** Draft meeting minutes shall be prepared by DOE and provided to the DEQ within ten (10) days
24 of the meeting. DEQ approvals of deliverables under this STP and Consent Order may be documented in
25 the meeting minutes. Any changes to the minutes shall be provided to DOE in writing within fourteen
26 (14) days of receipt of the draft minutes for incorporation into the final minutes. Failure to provide timely
27 changes to the minutes shall constitute agreement. The final Project Manager's Quarterly Meeting
28 Minutes shall be prepared by DOE and submitted to DEQ.

29 **2.10.4** It is the intent of the DEQ and DOE that this notification and curing process shall be used to
30 avoid disputes to the extent possible.

31
32 **2.11 Notification**

1 **2.11.1** Unless otherwise specified, any report or submittal provided by DOE pursuant to the STP shall be
2 sent by first class mail, express mail, facsimile or hand delivered, with a certification of mailing or
3 confirmation of delivery, to the address of the DEQ Project Manager.
4

5 **2.11.2** Unless otherwise agreed in writing, one copy of all documents to be submitted pursuant to this
6 STP shall be sent to the Project Manager at the address stated below. Either DEQ or DOE may request
7 additional copies of any document submitted pursuant to this STP.
8

9 Project Manager
10 Idaho Department of Health and Welfare
11 Division of Environmental Quality
12 1410 N. Hilton
13 Boise, ID 83706
14

15 Project Manager
16 Department of Energy
17 Idaho Operations Office
18 850 Energy Drive
19 Idaho Falls, ID 83401-1563
20

21 **2.12 DOE's NEPA Review and FFC Act Implementation**
22

23 Changes in the schedules or other requirements of this STP may be required or warranted by the
24 public's comments upon or the analysis of environmental effects set forth in an Environmental
25 Assessment or an Environmental Impact Statement prepared by DOE pursuant to the National
26 Environmental Policy Act (NEPA) and its implementing regulations. The DEQ and DOE agree to
27 negotiate in good faith any resulting appropriate or necessary changes in this STP.

28 **2.13 Submittal and Review of Deliverables**
29

30 **2.13.1** DOE shall submit to the DEQ deliverables required by this Consent Order under this section 2.13.
31 Deliverables or specific portions thereof are subject to either review and comment or approval.
32 Deliverables subject to review and comment under this subsection, as required or permitted under this
33 STP and Consent Order, include notification of new wastes, changes in volume of covered waste, changes

1 in planning dates up to one year, the Annual Updates to the STP and the Annual STP Report. Where
2 DEQ approval of a deliverable is expressly required in this Consent Order, the approval provisions in this
3 section apply. Deliverables which require approval include proposed Revisions, extensions to milestones,
4 extensions to planning dates greater than one year, treatment plans for new waste streams, notices of
5 completion of milestones, notices of satisfaction under section 2.7, and other deliverables as specifically
6 required by the terms of this STP. Requests or proposals which require approval may be submitted as
7 part of, or along with, the Annual STP Report and Quarterly Meetings. Permit applications and NEPA
8 documents shall not be subject to the procedures of this Section. Permit applications shall be submitted
9 and reviewed under applicable regulations and NEPA documents shall be submitted and reviewed under
10 the DOE regulations implementing NEPA. Each submittal of a deliverable shall specify the milestone or
11 other provision of this Consent Order requiring submittal of that deliverable.
12

13 **2.13.2** Unless otherwise noted, each deliverable shall be transmitted directly to the DEQ Project
14 Manager.
15

16 **2.13.3** The DEQ will promptly review each deliverable submitted by DOE required to be approved
17 pursuant to this Consent Order, within the time-frames established in this section unless specifically
18 scheduled otherwise in the Consent Order. In the course of their review, the DEQ will consult with DOE
19 regarding the adequacy of each deliverable. Oral comments made during these discussions shall not
20 require a written response by the Parties.
21

22 **2.13.4** Deliverables which do not require DEQ approval under this Consent Order, shall be provided to
23 the DEQ for review and comment. In the event that DOE disagrees with the DEQ's comments, DOE
24 shall respond to the DEQ's comments in writing explaining the DOE's position. If DOE has not received
25 comments from the DEQ within 30 days of submittal of the deliverable, it will be deemed that the DEQ
26 has no comments. Disagreements concerning comments to deliverables that are not required to be
27 approved under this Consent Order will not constitute a dispute under Section 2.9 unless otherwise agreed
28 by the Parties.
29

30 **2.13.5** For any deliverable that requires DEQ approval under the provisions of this Consent Order, the
31 following procedures shall apply:
32

33 **2.13.5.1** The DEQ shall, within 30 days of receipt, take action as follows: (1) approve or

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

13
14 **2.13.5.2** If the DEQ fails to take one of the actions specified above within the time-frames
15 required by this Consent Order, DOE may initiate dispute resolution under Section 2.9. If the DEQ
16 extends the review period for a deliverable, any milestones or planning dates dependent upon the results
17 of deliverable review will automatically be extended an equivalent amount of time as the time taken
18 beyond the specified time-frame for review.

19
20 **2.13.5.3** In the event that the DEQ returns the deliverable to DOE with comments, within thirty
21 (30) days of receipt, DOE shall incorporate the comments and shall re-transmit the deliverable. DOE may
22 extend this period by an additional 30 days by notifying the DEQ. This period may be further extended
23 for an additional period of time, as may be agreed to by the parties. In the event DOE disagrees with the
24 DEQ's comments and the parties are unable to resolve their disagreement, DOE may invoke the dispute
25 resolution provisions of Section 2.9, Disputes.

26
27 **2.13.5.4** The Project Manager's Quarterly Meeting minutes may document DEQ approvals,
28 conditional approvals, or agreement on DEQ approvals or conditional approvals with
29 modification.

30 31 **2.14 Modification**

32
33 The STP schedules, covered wastes, and other provisions of Sections 3 through 6 may be

INEEL Site Treatment Plan

1 amended or modified by mutual agreement of the DEQ and DOE Project Managers, or may be made by
2 approval of the DEQ of a proposal submitted by DOE pursuant to Section 2.13, "Submittal and Review of
3 Deliverables". Any such amendment or modification of this STP shall be in writing and shall be
4 incorporated into the STP and be enforceable in the same manner as any other requirement of the STP.
5 Agreement or approval of such modifications may be documented in the Quarterly Meeting Minutes. If
6 an amendment or modification constitutes a Revision it shall be subject to the procedures applicable to a
7 conditionally approved Revision set forth in section 2.5.

8
9
10
11 Notwithstanding any other provision of this STP, DOE and DEQ agree to immediately modify
12 the schedules in the STP to be consistent with the schedules in the Settlement Agreement and Consent
13 Order issued by the Court on October 17, 1995, in the actions Public Service Co. of Colorado v. Batt, No.
14 CV 91-0035-S-EJL (D.Id.) and United States v. Batt, No. CV-91-0054-S-EJL (D.Id.), and to reissue this
15 STP accordingly, by a target date of November 30, 1995.

1 **3. INL TREATMENT FACILITIES**

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

6 **3.1 INL Treatment Facility Status**

7 Table 3-1 identifies each of the INL facilities designated to treat mixed waste. The table provides
8 basic design information and the status for each of the treatment facilities along with the acceptable
9 expected radionuclide-handling capabilities. The table also includes the status of facilities, based on Life
10 Cycle Asset Management (LCAM), made pursuant to DOE-ID Order 430.1 A:

- 11 • **Existing, Operating, Treating Mixed Waste**—Existing system is currently operating and
12 treating mixed wastes.
- 13 • **Existing, Planned to Treat Mixed Waste**—Existing system is not currently treating mixed
14 waste streams. The system may be treating other waste (low-level, hazardous, sanitary, etc.) or
15 may not be operating at this time but has begun cold testing.
- 16 • **Planned, DOE-Approved**—DOE-HQ has approved the mission need for the facility; the facility
17 has, at a minimum, begun design but has not yet reached the construction phase.
- 18 • **Planned, DOE-Unapproved**—Some planning has been initiated (e.g., engineering/feasibility
19 studies, functional design criteria) but has not yet received the approval of the mission need for
20 the facility.

INL Site Treatment Plan

1 Table 3-1. INL Treatment Facilities.

Facility ID	Facility	System	Handling *	H L W	T R U	L L W	A L P H	Facility Status
IN-S150	Advanced Mixed Waste Treatment Project	Private Unit	CH	N	Y	N	Y	Existing, Operating
IN-S033	INTC Debris Treatment and Containment	Decontamination - Water Washing System	B	Y	Y	Y	Y	Existing, operating, treating mixed waste
IN-S030	INTC HEPA Filter Leaching System (CPP-659)	Extraction - HEPA Filter Leach	B	Y	Y	Y	Y	Existing, operating, treating mixed waste
IN-S152A	Integrated Waste Treatment Unit (IWTU)	SBW Treatment Facility	B	N	Y	Y	Y	Planned, DOE approved
IN-S152B	Calcine Disposition Facility	Calcine Disposition Facility	B	Y	Y	Y	Y	Planned, DOE Unapproved
AW-S007	Remote-Handled Waste Disposition Project	Sort, segregate, open/melt/drain, deactivation, neutralization, water reaction, stabilization	RH	N	Y	Y	Y	Planned, DOE-approved
AW-S037	Sodium Process Facility (ANL-W)	Water Reaction (Na to NaOH)/Wiped-Film Evaporator (NaOH to Na ₂ CO ₃)	CH	N	N	Y	N	Existing, In Stand-By
AW-S038	Sodium Component Maintenance Shop (SCMS)	Deactivation, Open/Melt/Drain, Neutralization, Stabilization, Water Reaction	CH	N	Y	Y	Y	Existing, operating, treating mixed waste

Handling Key: RH=remote handled
 CH=contact handled

B=both

3-2

2

1 **3.2 Description of Facilities Identified to Treat the MLLW at the INL**

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

4 **3.2.1 Commercial Treatment Facilities**

5 **3.2.1.1 Waste Treatment Vendors and Treatment Capabilities.**

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

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

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

18 Perma-Fix Northwest is located in Richland, Washington. It is a nuclear waste processing facility
19 providing comprehensive low-level waste and mixed low-level waste processing services.

20 Radiological operation and health and safety aspects of facility operations are conducted in
21 accordance with a Radioactive Material License issued by the State of Washington. This license
22 authorizes Perma-Fix to receive, store, and treat specific quantities of liquid and solid radioactive
23 materials and waste from off-site generators as well as self-generated materials. Current mixed

24 **Waste Control Specialists LLC (WCS)**—WCS was formed in November 1995 and
25 completed construction of the initial phase of its facility in Andrews, Texas, for the processing,
26 treatment, storage, and disposal of certain hazardous (RCRA), toxic (TSCA), and low-level
27 radioactive wastes (LLRW). WCS holds a Low-level Radioactive Waste Treatment, Processing &
28 Storage License issued by the Texas Department of Health. This license allows for the treatment,

1 processing, and storage of low-level radioactive wastes. WCS holds an Industrial Solid Waste and
2 Hazardous Waste Storage, Processing, and Disposal (RCRA) permit authorizing the treatment,
3 storage, and land disposal of all classifications of RCRA wastes. WCS is authorized by the EPA
4 to store and dispose of TSCA waste. WCS has also received CERCLA Offsite Rule Approval
5 from the EPA. WCS offers treatment of mixed waste by stabilization; however, it routinely
6 utilizes outside technology vendors in situations where typical solidification/oxidation
7 technologies are not adequate.

8 **Energy Solutions.** —Energy Solutions operates a treatment, storage and disposal facility in
9 Clive, Utah. Energy Solutions facility has been in operation since 1988. Energy Solutions
10 operates under an NRC Agreement State Radioactive Materials License and a RCRA Part B
11 permit. Energy Solutions has also received CERCLA Offsite Rule Approval from the EPA.
12 Energy Solutions accepts NORM, low-level, and low-level mixed waste for disposal. Treatment
13 facilities are also in operation for the RCRA treatment of solid and liquid mixed low-level waste
14 prior to disposal. Current mixed waste treatment technologies include stabilization,
15 reduction/oxidation, deactivation, chemical fixation, neutralization, vacuum assisted thermal
16 desorption, macroencapsulation, and microencapsulation. Examples of waste routinely managed
17 for treatment include soil, concrete, sludge, resins, personal protective equipment (PPE), lead
18 solids, ash, and building debris.

19 **The TSCA Incinerator (TSCAI)**—The TSCAI is a rotary kiln incinerator with a secondary
20 combustion chamber that treats liquid and solid polychlorinated biphenyl (PCB), hazardous, and
21 low-level mixed radioactive wastes. These wastes are generated by operations at the Oak Ridge
22 East Tennessee Technology Park, the Oak Ridge Y-12 Plant, the Oak Ridge National Laboratory,
23 and other DOE off-Site facilities. The TSCAI is permitted to accept and treat PCB mixed waste,
24 mixed waste, and PCB low-level radioactive waste. Acceptable waste matrices include, oils,
25 aqueous and organic liquids, combustible debris, spent activated carbon, soils and absorbents, and
26 sludge. Incineration of waste at the TSCAI is controlled by the State of Tennessee.

27 **3.2.2 Debris Treatment and Containment Storage Building**

28 The Debris Treatment and Containment Storage Building is a RCRA-permitted treatment unit
29 that comprises decontamination cubicles, a spray booth, a decontamination cell, and a low-level
30 decontamination room. Several treatment technologies are currently used to treat debris in accordance
31 with the RCRA Debris Rule (40 CFR 268.45 [alternative treatment standards]). These treatment

1 technologies include water washing, chemical washing, high-pressure water and steam sprays, and
2 ultrasonic cleaning.

3 Currently, the Debris Treatment and Containment Storage Building has been modified to provide
4 greater flexibility for treatment options and capabilities. These modifications will provide treatment by
5 liquid abrasive and/or CO₂ blasting and bulk washing.

6 **3.2.3 High-Efficiency Particulate Air Filter Leach System**

7 Contaminated high-efficiency particulate air (HEPA) filters will be treated in the
8 RCRA-permitted HEPA Filter Leach System, which uses chemical extraction to remove radionuclides
9 and other hazardous constituents from used HEPA filters. This system can treat both MLLW and
10 transuranic-contaminated waste. After leaching, the filters should be ready for packaging for LLW
11 disposal. The leachate generated by HEPA filter leaching will be managed in the Idaho Nuclear
12 Technology and Engineering Center's (INTEC's) liquid radioactive waste management system (process
13 equipment waste [PEW], liquid effluent treatment and disposal [LET&D], and INTEC Tank Farm).

14 **3.2.4 Sodium Process Facility**

15 The Sodium Process Facility (SPF) provides treatment for bulk MLLW sodium (Na) and
16 sodium-potassium (NaK) eutectic.

17 The SPF is located at Materials Fuel Complex (MFC), metallic both Na (radioactive and
18 nonradioactive) require conversion to sodium hydroxide (NaOH).

19 The primary treatment process used at SPF to convert Na and NaK into a >69 wt% hydroxide
20 solution is water reaction where water is combined with Na and NaK in reaction vessel to produce a
21 hydroxide (NaOH and/or KOH) solution.

22 The hydroxide solution is delivered to the drum fill station through a caustic transfer line, where
23 71-gal square drums are filled. After filling, the drums are placed on pallets and remain in regulated
24 storage until the hydroxide solution solidifies. After solidification occurs, the drums are no longer
25 regulated by HWMA/RCRA storage requirements. The drums are shipped to an appropriate disposal
26 facility as low-level radioactive waste.

27

1 **3.2.5 Off-Site DOE Treatment Facilities**

2 The DOE off-Site facility currently identified as a preferred treatment option for INL waste
3 streams is the TSCAI at Oak Ridge, Tennessee.

4 **3.2.6 Sodium Components Maintenance Shop**

5 The Sodium Components Maintenance Shop (SCMS) is an existing, operating mixed waste
6 treatment facility located at MFC on the INL. The SCMS has been used for many years to cleanse sodium
7 (Na) and sodium potassium alloy (NaK) contaminated operational components associated with the EBR-
8 II reactor and now is permitted to treat mixed waste.

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

14 **3.3 Description of Facilities Required to Treat the Mixed**
15 **Transuranic-Contaminated Waste at the INL**

16 Mixed Transuranic (MTRU) waste is mixed waste that contains more than 100 nCi of alpha-
17 emitting transuranic isotopes per gram of waste with half-lives greater than 20 years. Alpha contaminated
18 Mixed Low Level Waste (α -MLLW) waste is mixed waste containing between 10 and 100 nCi of alpha-
19 emitting transuranic isotopes per gram of waste with half-lives greater than 20 years. DOE has historically
20 managed α -MLLW and MTRU waste together in the same storage areas/facilities at the INL and
21 generally plans to treat and/or repackage wastes at the INL (both MTRU and α -MLLW) to meet the WAC
22 for disposal at the WIPP. The proposed INL facilities to treat mixed transuranic-contaminated waste
23 include the Remote-Handled Waste Disposition Project (RWDP) and the Advanced Mixed Waste
24 Treatment Project (AMWTP). As a result of processing transuranic contaminated waste as described in
25 section 5.4, DOE expects to identify or generate quantities of waste that will be appropriately managed as
26 MLLW.¹

¹ See footnote 4 in Section 5.4.

1 DOE is currently evaluating capabilities needed to achieve disposal of remote-handled (RH)
2 MTRU waste that is currently stored at the Transuranic Storage Area. Options include the use of existing
3 or modified INL facilities, the RWDP, or off-Site facilities. The facility will be chosen based on an
4 alternatives evaluation that will be driven by the WIPP final RH TRU waste acceptance criteria (WAC),
5 once approved. Some of the MTRU and α -MLLW waste also contain PCBs, regulated under the TSCA.
6 DOE is reviewing options for addressing TSCA requirements for disposal at the WIPP in the next
7 revision to the WIPP WAC.

8 **3.3.1 Remote-Handled Waste Disposition Project**

9 The RWDP (formerly known as the Remote Treatment Project) is a DOE planned, approved INL
10 treatment facility. The mission of the RWDP is to process remote-handled waste currently stored at the
11 Materials and Fuel Complex (MFC) and the Radioactive Waste Management Complex (RWMC) for
12 disposition.

13
14 The mission will be accomplished through the modification of an existing nuclear processing facility
15 at the Idaho Nuclear Technology and Engineering Center, which is located within the INL boundaries.
16 This facility, the CPP-666 Fluorinel Dissolution Process (FDP), will be modified to provide the system
17 for processing the remote-handled waste. The FDP cell provides radiation shielding, contamination
18 control, and remote handling capabilities. Waste processing, following receipt of the waste from the
19 current storage locations, consists of the following phases:

- 20 1. Receipt and insertion of the liners into the FDP cell
- 21 2. Disassembly of the liners
- 22 3. Sorting, characterization, and segregation of the waste contained in the liners
- 23 4. Waste treatment, as applicable
- 24 5. Repackaging of the waste in preparation for disposition
- 25 6. Shipment to other locations for final disposal or long-term storage

26
27 The RWDP has a DOE-approved Mission Need Statement, which constitutes endorsement of the
28 RWDP project need, project objectives, management approach, and preliminary acquisition and
29 environmental strategies. The schedule milestones for the RWDP are included in Section 5, "INL
30 Treatment Facility Schedules."

31
32

1 **3.3.2 Advanced Mixed Waste Treatment Project**

2 The AMWTP has the ultimate goal of preparing for shipment Transuranic Storage Area (TSA)
3 waste to produce final waste forms that are certified for disposal at the WIPP in New Mexico. The
4 AMWTP is designed to process approximately 65,000 m³ of primarily alpha low-level waste and
5 transuranic contact-handled (CH) mixed waste and radioactive waste only from the TSA, plus an
6 additional 20,000 m³ of waste (similar in content to the 65,000 m³) during the first 13 years of operations.
7 The TSA-stored waste slated for the AMWTP waste management units is retrieved from storage,
8 characterized for storage, treatment or direct shipment, stored (if necessary), treated (as required),
9 packaged, and certified for disposal at WIPP or determined to be appropriately managed as MLLW as
10 described in section 5.4².

11 **3.4 Description of Facilities Required to Treat Waste Associated With**
12 **Reprocessing at the INL**

13 High-level waste (HLW) is highly radioactive waste material resulting from the reprocessing of
14 spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived
15 from such liquid waste that contains fission products in sufficient concentrations. The INL currently
16 manages both calcine solids and sodium-bearing waste (SBW). The calcine solids are considered to be
17 HLW. SBW was the subject of an in process Waste Incidental to Reprocessing (WIR) determination that
18 was being prepared in accordance with DOE Order 435.1. The WIR process under DOE Order 435.1 is
19 the subject of litigation. The environmental impacts of alternative treatment and disposal options for this
20 waste (as either HLW or TRU) were analyzed in the Idaho High-Level Waste & Facilities Disposition,
21 Final Environmental Impact Statement (DOE/EIS-0287; September 2002).

22 The current plan for the SBW at INTEC is pretreatment in the evaporator tank system and final
23 treatment in the Integrated Waste Treatment Unit (IWTU) followed by disposal at an off-Site facility.

24 The current treatment plan for calcine solids is a Calcine Disposition Facility that will include, at
25 a minimum, retrieval from the bin sets and packaging capabilities. Minimal treatment may be required
26 pending the WAC for the disposal facility. The packaged calcine will be stored on-Site pending shipment
27 to a deep geological repository for disposal.

² See footnote 4 in section 5.4, *infra*.

INL Site Treatment Plan

1 In the Settlement Agreement and Consent Order issued by the Court on October 17, 1995, in the
2 actions *Public Service Co. of Colorado v. Batt*, No. CV 91-0035-S-EJL (D.Id.) and *United States v. Batt*,
3 No. CV-91-0054-S-EJL (D.Id.), the DOE agreed to accelerate efforts to evaluate alternatives for the
4 treatment of calcined waste. There are several activities identified in the Settlement Agreement related to
5 the treatment of calcined waste. The activities that will be performed as a result of the Settlement
6 Agreement will be coordinated and incorporated into the schedules for HLW mixed waste treatment in
7 Section 5, as appropriate, and be consistent with the Settlement Agreement milestones.

8 **3.4.1 Calcine Disposition Facility**

9 The Calcine Disposition Facility (CDF) proposed for processing calcine solids at INTEC into a
10 form suitable for permanent disposal will be consistent with the proposed action in the Idaho High-Level
11 Waste & Facilities Disposition Final Environmental Impact Statement published in September 2002
12 (DOE/EIS-0287). The steps in the proposed action include:

- 13 • Prepare the mixed HLW calcine solids so they will be suitable for disposal in a repository
- 14 • Treat and dispose of associated radioactive wastes
- 15 • Provide safe storage of HLW calcine destined for a repository
- 16 • Provide the capabilities for retrieval, packaging, and shipment of calcine solids from the Calcined
17 Solids Storage Facility.

18 **3.4.2 SBW Treatment Facility**

19 The IWTU is proposed for processing liquids and associated solids (SBW) at INTEC into solid
20 forms suitable for permanent disposal and will also be consistent with the Idaho High-Level Waste &
21 Facilities Disposition Final Environmental Impact Statement published in September 2002 (DOE/EIS-
22 0287). The steps for the proposed action will be the same as those for the Calcine Disposition Facility.
23 These schedules for both the CDF and IWTU are found in Section 5.

4. COVERED WASTE

1

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

9

4.1 Mixed Low-Level Waste Streams

10 For purposes of the STP, MLLW is (a) mixed waste that is not HLW and (b) mixed waste that
11 contains less than 10 nCi per gram of waste of alpha-emitting transuranic isotopes with half-lives greater than
12 20 years. MLLW waste streams at the INL are identified in Table 4-1. Traditionally at the INL, α -MLLW
13 (MLLW with transuranic contamination between 10 and 100 nCi per gram of waste) has been managed as
14 MTRU waste and is covered in Section 4.2.

15 Several mixed waste treatment facilities exist at the INL. These facilities currently accept MLLW from
16 INL waste generators only. Waste must meet the applicable WAC for each facility.

17

18

19

20

21

22

23

24 Note: As mentioned above, not all of the MLLW is addressed in this section. Some of the MLLW streams
25 that will be treated at a treatment facility identified for other mixed waste streams are discussed in the section
26 in which the treatment facility is described. Specifically, MLLW liquids that are generated at INTEC and
27 processed through the PEW evaporator and LET&D systems are treated as SBW and are addressed in
28 Section 4.3. The PEW evaporator and LET&D systems perform volume reduction of the liquid waste rather
29 than LDR treatment. The resulting waste is included in the waste streams associated with reprocessing (see
30 Section 4.3).

INL Site Treatment Plan

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

Waste Stream ID	Waste Stream Name	Current Storage Vol (m ³)	5-year Generation (m ³)
CH-ANL-111	URANIUM/CADMIUM FROM FCF	0.0000	0.5000
CH-ANL-142	LEAD CONTAM. SOLIDS-ANL-W OPERATIONS	0.2407	0.1000
CH-ANL-179	SODIUM (CONTAMINATED) TIN BISMUTH	2.2627	0.4000
CH-ANL-180	SODIUM – LLW	80.8476	25.5500
CH-ANL-182	SODIUM POTASSIUM NaK	2.3539	0.2100
CH-ANL-224	CONTAMINATED HG-IBC CASK MAINTENANCE	0.0984	0.1000
CH-ANL-244	ICP WASTE SOLUTIONS W/ HEAVY METALS	0.0000	0.1000
CH-ANL-503	SPENT HEPA FILTERS AND PRE-FILTERS	0.4400	4.0000
CH-ANL-506	SODIUM STORED IN BLDG 703 & OTHER	3.8611	0.0000
CH-ANL-553	WCA MIXED WASTE	23.5451	21.0000
CH-ANL-554	LEAD-CONTAMINATED DEBRIS	0.6284	1.3000
CH-ANL-660	ANL-W MERCURY AND MERCURY DEBRIS	0.6435	0.0000
CH-ANL-683	LABORATORY CORROSIVE WASTE W/	0.2082	1.0500
CH-ANL-716	DEBRIS AND/OR SOLIDS W/HEAVY METALS	0.1269	1.0500
CH-ANL-722	LITHIUM HYDRIDE	2.2708	0.0000
CH-ANL-RPK	REPACKAGED WASTE FOR SCMS	0.0147	N/A
ID-AMWTP-100	MIXED WASTE INCIDENTAL TO PROCESSING	9.3640	50.0000
ID-AMWTP-200	RECLASSIFIED MLLW FROM TRU	448.4000	
ID-INL-187	S1G SODIUM	0.0000	0.0000
ID-INL-800	CLASS B&C WASTE	2.7789	N/A
ID-INL-801	CLASS A WASTE	0.0000	N/A
ID-INL-802	INTEC CLASS A WASTE	0.0000	N/A
ID-INL-803	AEROSOL WASTE	0.0000	N/A
ID-INL-804	TSCA WASTE	0.3217	N/A
ID-INL-805	INTEC CLASS B&C WASTE	1.2681	N/A
ID-TEC-305	LLW APS HEPA FILTERS	0.5266	0.0000
ID-TEC-307	CONTAMINATED LABORATORY RESIDUE	0.0000	0.0000
ID-TEC-720	FDP HEPA FILTERS	6.5332	0.0000
ID-TEC-721	VOG HEPA FILTERS	0.0000	0.0000
NR-NRF-665	PAINT CHIPS W/ PCB AND RCRA	0.0000	26.7000
NR-NRF-673	HEAVY METAL DEBRIS	0.0000	30.0000
Total		586.7339	

1 **4.2 Transuranic-Contaminated Waste Streams**

2 The waste streams identified in Section 4.2 are transuranic-contaminated waste streams. Mixed
3 Transuranic (MTRU) waste is mixed waste that contains more than 100 nCi of alpha-emitting transuranic
4 isotopes per gram of waste with half-lives greater than 20 years. Alpha contaminated Mixed Low Level Waste
5 (α -MLLW) waste is mixed waste containing between 10 and 100 nCi of alpha-emitting transuranic isotopes
6 per gram of with half-lives greater than 20 years. DOE has historically managed α -MLLW and MTRU waste
7 together in the same storage areas/facilities at the INL and generally plans to treat and/or repackage wastes at
8 the INL (both MTRU and α -MLLW) to meet the WAC for disposal at the WIPP. During processing DOE
9 expects to identify or generate waste during processing that will be appropriately managed as MLLW as
10 described in section 5.4.³ The proposed INL facilities to treat mixed transuranic-contaminated waste include
11 the RWDP and AMWTP. If additional treatment is necessary to meet LDR requirements for α -MLLW,
12 appropriate amendments will be made to this STP. PCB-contaminated (exceeding 50 ppm) transuranic-
13 contaminated waste will be treated to meet TSCA requirements identified in the TSCA permit WIPP is
14 currently pursuing. The mixed RH transuranic-contaminated waste may either be treated at the RTP or
15 repackaged at the INL for direct disposal in the WIPP. Table 4-2 lists the mixed transuranic-contaminated
16 waste streams stored or generated at the INL intended to be shipped to WIPP.

17

18

3. See footnote 4 in section 5.4, *infra*.

INL Site Treatment Plan

1 Table 4-2. Transuranic-contaminated waste streams designated for WIPP.

IDC	STP ID	Description	STP ID	Processed	Shipped	Reclassified
			Total			MLLW
	CH-ANL-142T	LEAD CONTAMINATED WASTE	0.6246			
	CH-ANL-180T	SODIUM – TRU	14.3041			
	CH-ANL-182T	SODIUM POTASSIUM - NaK - TRU	0.2549			
	CH-ANL-218T	ELECTROREFINER SALT	0.0000			
	CH-ANL-241T	TRU-CD-HOT CELL WASTE	5.2547			
	CH-ANL245T	ELECTROREFINER CADMIUM	0.0000			
	CH-ANL-503T	TRU WASTE USED PRE-FLITERS	5.8532			
	CH-ANL505T	ALHC UPGRADE DECON DEBRIS	4.7195			
0	ID-RFO-000T	NOT RECORDED - UNKNOWN	4024.396			
1	ID-RFO-001T	FIRST STAGE SLUDGE	2567.896	2097.593	2097.593	
2	ID-RFO-002T	SECOND STAGE SLUDGE	1639.1840	952.262	952.262	
3	ID-RFO-003T	ORGANIC SETUPS, OIL SOLIDS	1533.1840	224.412	224.412	
4	ID-RFO-004T	SPECIAL SETUPS (CEMENT)	327.5400	150.1	150.1	
5	ID-RFO-005T	EVAPORATOR SALTS	11.0240			
7	ID-RFO-007T	BLDG 374 DRY SLUDGE	923.472	1168.925	1168.925	
10	ID-BTO-010T	RAGS, GLOVES, POLY	199.2800			
20	ID-BTO-020T	NONCOMPRESSIBLE, NONCOMBUSTIBLE	168.3280			
30	ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.	9.9640			
40	ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.	36.4640			
90	ID-RFO-090	DIRT	28.6200	2.5000		2.5000
100	ID-AEO-100T	GENERAL PLANT WASTE	0.4240			
101	ID-AEO-101T	CUT UP GLOVEBOXES	0.0000			
102	ID-AEO-102T	ABSORBED LIQUIDS	22.2600			
105	ID-AEO-105T	EMPTY BOTTLES AND ABSORBENTS	1.4840			
106	ID-AEO-106T	SPECIAL SOURCE MATERIAL	0.2120			
107	ID-AEO-107T	REMOTE-HANDLED WASTE	24.7400			
110	ID-AEO-110T	RESEARCH GENERATED WASTE COMPACTIBLE & C	0.4240			
111	ID-OFS-111T	RESEARCH GENERATED WASTE NONCOMPACTIBLE	832.5240			
112	ID-RFO-112T	SOLIDIFIED ORGANICS	169.1760			
113	ID-RFO-113T	SOLID LAB WASTE	16.9600			
114	ID-RFO-114T	SOLIDIFIED PROCESS SOLIDS	74.8360			
116	ID-RFO-116T	COMBUSTIBLE WASTE	0.8480			
117	ID-RFO-117T	METAL WASTE	35.1660			
118	ID-RFO-118T	GLASS WASTE	16.1171			
119	ID-RFO-119T	HEPA FILTER WASTE	65.5080			
120	ID-AEO-120T	COMPACTIBLE AND COMBUSTIBLE WASTE	0.4240			
121	ID-OFS-121T	DECONTAMINATION AND DECOMMISSIONING WAST	0.2120			
122	ID-RFO-122T	INORGANIC SOLID WASTE	30.5280			
123	ID-RFO-123T	LEADED RUBBER	65.9320			
150	ID-INL-150T	LABORATORY WASTE	31.0930			
155	ID-INL-155T	SCRAP	3.6000			
157	ID-INL-157T	MISCELLANEOUS SOURCES	3.8180			

INL Site Treatment Plan

Table 4-2. (continued).

IDC	STP ID	Description	STP ID			Reclassified MLLW
			Total	Processed	Shipped	
161	ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE	1.0600			
162	ID-ANL-162T	ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS R	10.5820			
163	ID-ANL-163T	ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS	1.2720			
201	ID-BCO-201T	NONCOMBUSTIBLE SOLIDS	8.9040			
202	ID-BCO-202T	COMBUSTIBLE SOLIDS	0.6360			
203	ID-BCO-203T	PAPER, METALS, GLASS	5.5120			
204	ID-BCO-204T	SOLIDIFIED SOLUTIONS	1.4840			
241	ID-RFO-241T	AMERICIUM PROCESS RESIDUE	25.2280			
290	ID-RFO-290	FILTER SLUDGE	0.2120			
292	ID-RFO-292T	CEMENTED SLUDGE	115.3280	37.024	37.024	
300	ID-RFO-300T	GRAPHITE MOLDS	410.2200	398.42	398.42	
301	ID-RFO-301T	GRAPHITE CORES	7.6320	0.6242	0.6242	
302	ID-RFO-302T	BENELEX AND PLEXIGLASS	4.6640	.8440	0.4220	0.4220
312	ID-RFO-312T	COARSE GRAPHITE	1.9080	1.4562	1.4562	
320	ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL	96.8840	75.64	61.48	14.1600
328	ID-RFO-328T	FULFLO INCINERATOR FILTERS	1.6960	1.2720	1.2720	
330	ID-RFO-330T	DRY PAPER AND RAGS	1085.8640	840.104	840.104	
335	ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS	27.536	11.95	11.12	0.8300
336	ID-RFO-336T	MOIST PAPER AND RAGS	1584.0640	1404	1404	
337	ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC	488.4480	65.012	65.012	
338	ID-RFO-338T	INSULATION AND CHEMICAL WARFARE SERVICE	53.6360	28.399	27.359	1.0400
339	ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS	152.4280	148.696	148.696	
360	ID-RFO-360T	INSULATION	50.6680	.634	.424	0.2100
371	ID-RFO-371T	FIREBRICK	218.7840	50.662	47.752	2.9100
374	ID-RFO-374T	BLACKTOP, CONCRETE, DIRT AND SAND	269.0280	76.5242	.8442	75.6800
375	ID-RFO-375T	OIL-DRI RESIDUE FROM INCINERATOR	4.0280			
376	ID-RFO-376T	CEMENTED INSULATION FILTER MEDIA	532.7560	530.874	489.044	41.8300
409	ID-RFO-409T	MOLTEN SALTS – 30% UNPULVERIZED	6.5720			
414	ID-RFO-414T	DIRECT OXIDE REDUCTION SALT	1.0600			
430	ID-RFO-430T	UNLEACHED ION COLUMN RESIN	6.1480			
431	ID-RFO-431T	LEACHED RESIN	1.2720			
432	ID-RFO-432T	LEACHED AND CEMENTED RESIN	60.4200			
440	ID-RFO-440T	GLASS	301.89	164.844	154.124	10.7200
441	ID-RFO-441T	UNLEACHED RASHIG RINGS	333.6880	363.99	363.99	
442	ID-RFO-442T	LEACHED RASHIG RINGS	261.8200	116.2720	116.2720	
460	ID-RFO-460T	WASHABLES, RUBBER, PLASTICS	1.2720			
463	ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS	11.2360			
464	ID-RFO-464T	BENELEX AND PLEXIGLASS	9.9640	0.4200		0.4200
480	ID-RFO-480T	NONSPECIAL SOURCE METAL	541.6600	206.156	146.096	60.0600
481	ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL	189.1040	106.224	98.104	8.1200
490	ID-RFO-490T	CHEMICAL WARFARE SERVICE FILTERS	16.1120	12.322	12.112	0.2100
700	ID-RFO-700T	ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM	1.9080			
801	ID-MDO-801T	RAGS, PAPER, WOOD, ETC.	7.4200	6.572	6.572	
802	ID-MDO-802T	DRY BOX GLOVES AND O-RINGS	25.6520	62.538	62.538	

INL Site Treatment Plan

Table 4-2. (continued).

IDC	STP ID	Description	STP ID			Reclassified MLLW
			Total	Processed	Shipped	
803	ID-MDO-803T	METAL, EQUIPMENT, PIPES, VALVES, ETC.	38.1600	26.2880	26.2880	
805	ID-MDO-805T	ASBESTOS FILTERS	8.0560	6.3600	6.3600	
810	ID-MDO-810T	GLASS, FLASKS, SAMPLE VIALS, ETC.	2.7560	2.3320	2.3320	
811	ID-MDO-811T	EVAPORATOR AND DISSOLVER SLUDGE	0.8480			
813	ID-MDO-813T	GLASS FILTERS AND FIBERGLASS	0.6360	0.4240	0.4240	
814	ID-MDO-814T	CONTAMINATED MERCURY OR GRAPHITE CRUCIBL	0.4240	0.4240	0.4240	
815	ID-MDO-815T	CLASSIFIED PARTS	0.4240			
824	ID-MDO-824T	NONCOMBUSTIBLE EQUIPMENT BOXES	0.0000			
826	ID-MDO-826T	COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE	1.0600			
827	ID-MDO-827T	COMBUSTIBLE EQUIPMENT DRUMS	1.9080	1.2720	1.2720	
834	ID-MDO-834T	HIGH-LEVEL ACID	191.0120	177.436	177.436	
835	ID-MDO-835T	HIGH-LEVEL CAUSTIC	355.1000	310.808	310.808	
836	ID-MDO-836T	HIGH-LEVEL SLUDGE/CEMENT	885.7360	600.18	600.18	
838	ID-MDO-838	<10 nCi/g NONCOMBUSTIBLE	0.2120			
842	ID-MDO-842T	CONTAMINATED SOIL	0.0000			
847	ID-MDO-847T	LSA < 100 nCi/g COMBUSTIBLE	157.0930	41.54	41.54	
848	ID-MDO-848T	LSA < 100 nCi/g NONCOMBUSTIBLE	28.4080	36.068	36.068	
900	ID-RFO-900T	LOW SPECIFIC ACTIVITY PLASTICS, PAPER, E	74.2000	3.334	.424	2.9100
950	ID-RFO-950T	LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.	23.3200	0.2100		0.2100
970	ID-RFO-970T	WOOD	4.6640	0.6340	0.4240	0.2100
976	ID-RFO-976T	BLDG 776 PROCESS SLUDGE	1.4840			
978	ID-RFO-978T	LAUNDRY SLUDGE	0.0000			
980	ID-RFO-980T	FILTER SLUDGE	0.2120			
9999	ID-RFO-9999T	PRE-73 DRUMS	7486.1440			
BN510		Box and Bin Volume	34444.7800	9362.600	8404.7	957.900
	ID-TAN-162	TAN DECON SOLVENT WASTES	1.0600			
	ID-TAN-163	TAN DECON HEAVY METAL SOLIDS AND DEBRIS	0.3218			
	ID-TAN-200T	AMERICUM SOURCES	0.2120			
	ID-TEC-151T	SOLIDIFIED FUEL SLUDGE	0.2280			
	ID-TEC-156	CHEM CELL RIP-OUT	28.5300			
	ID-TEC-172	HEPA FILTERS	1.1666			
	ID-TEC-670T	MTRU LABORATORY ANALYTICAL WASTE	17.9447			
	ID-TEC-699T	MIXED TRU WASTE FROM MWCY AND CSSF	17.3160			
	ID-TRA-291T	TRU HEAVY METAL SLUDGE	2.5362			
	ID-TRA-526	RADIOACTIVE METALS (Cr, Cd, Pb, Ba, ETC.)	0.0757			
	ID-TRA-707	NITRIC ACID FROM TME FUEL FINES	0.2082			
	ID-VCO-100T	MIXED WASTE FROM VCO ACTIVITIES	0.2082			

1 **4.3 WASTE ASSOCIATED WITH REPROCESSING**

2
 3 High-level waste (HLW) is the highly radioactive waste material resulting from the reprocessing of
 4 spent nuclear fuel, including liquid waste produced directly in reprocessing and any solid material derived
 5 from the liquid that contains fission products in sufficient concentrations and other materials determined by the
 6 NRC to require permanent isolation. The INL manages both calcine solids and SBW. Waste streams associated
 7 with reprocessing are listed in Table 4-3. The calcine solids are considered HLW. The Department's preferred
 8 disposal path for SBW is disposal as TRU waste at WIPP. Until such time as the regulatory approvals are
 9 obtained and a determination that the waste is TRU is made, the Department will manage the waste to allow
 10 disposal at WIPP or a geologic repository for spent nuclear fuel and HLW. The environmental impacts of
 11 alternative treatment and disposal options for this waste (as either HLW or TRU) were analyzed in the Idaho
 12 High-Level Waste & Facilities Disposition, Final Environmental Impact Statement (DOE/EIS-0287;
 13 September 2002).

14
 15 Table 4-3. Waste stream associated with reprocessing requiring treatment.

Waste Stream ID	Waste Stream Name	Current Storage Volume (m ³)	5-Year Generation (m ³)
ID-TEC-173	Sodium-Bearing Waste	3,168	0
ID-TEC-174	High-Level Waste Calcine Solids	4,386	0
Totals		7,554	0

16
 17 **4.4 Off-Site Mixed Waste Streams Identified for Treatment by the INL**

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

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

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

INL Site Treatment Plan

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

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

6 Table 4-4. Off-Site waste streams identified for treatment at the INL.

Waste Stream ID	Waste Stream Name	Stored Waste Volume (m ³)	Future Generated Volume (m ³ /5-year)	Storage Approval Date
Subtotal:		0.0000	0.0000	

7 **4.5 Pre- and Post-Treatment/Storage of Off-Site Mixed Waste**

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

10 Pursuant to Section 2.2.3.5 of the INL STP, approval by DEQ for up to six months pre- and
11 post-treatment storage of off-Site mixed waste listed in Table 4-4 of the STP is granted when the treatment
12 plans are approved by DEQ pursuant to Section 2.4. The approval date for each off-Site waste stream is listed
13 in Table 4-4. For purposes of defining the end of the first six months and beginning of the second six months,
14 treatment will be considered complete when the primary treatment step has been completed. The primary
15 treatment step is defined as the first step in the treatment train that renders the waste less hazardous and
16 excludes pre-treatment (sizing, repackaging, blending, etc.) as identified in the treatment plan in Table 6-2 of
17 the STP. As an example, incineration is considered the primary treatment step in the treatment train of
18 transport, open/segregate/repack, incineration, and stabilization. Macroencapsulation is the primary treatment
19 step in the treatment train of transport, open/segregate/repack, sizing, and macroencapsulation.

20 Off-Site waste storage for greater than six months pre- and post-treatment storage at the INL requires
21 additional approval by the DEQ. That approval is identified in paragraph (d) below and will be documented in
22 Table 4-4.

INL Site Treatment Plan

1 The following process will be used for notification and documentation:

- 2 (a) Subsequent to approval of the treatment plan by DEQ, DOE will notify the DEQ of the proposed
3 schedule for receipt and completion of the primary treatment of off-Site mixed waste, and shipment of
4 the treated waste and waste treatment residues off-Site at the quarterly meeting or, if necessary, no
5 later than one week prior to the shipment of the waste. This notification will be accomplished by
6 submittal of a new STP Table 4-5 that lists the waste streams and the corresponding dates.
- 7 (b) The DOE STP Project Manager will also orally notify the DEQ STP Project Manager of the actual
8 dates the off-Site mixed waste is received at the INL, when the primary treatment step listed in Table
9 6-2 is complete, and when the waste and treatment residues are shipped off-Site. This oral notification
10 will be made within two working days of the occurrence. Table 4-5 will be updated at each quarterly
11 INL STP meeting to reflect the actual dates if these dates differ from the dates proposed in Table 4-5.
12 When a waste stream has been shipped off-Site, it will be removed from Table 4-5 at the next
13 quarterly INL STP meeting.
- 14 (c) In the event delays beyond the control of DOE occur (such as treatment unit downtime, maintenance,
15 or transportation delays) that could impact the ability to meet the proposed schedule submitted in
16 Table 4-5, the DOE Project Manager will orally notify the DEQ STP Project Manager within five days
17 of knowledge of the delay. A modified Table 4-5 will be developed by DOE and submitted to the
18 DEQ in writing within 10 working days of the initial oral notification of the delay.
- 19 (d) For off-Site mixed waste, which is in Table 4-4 of the INL STP, that requires greater than six month
20 pre- and post-treatment storage at the INL, approval by DEQ of the proposed schedule will be
21 obtained under 2.2.3.5 of the INL STP on a case basis through submittal of the proposed schedule
22 added to Table 4-5. The date the approval is obtained from the DEQ will be added to Table 4-4, which
23 will be updated as part of the quarterly INL STP meetings.

INL Site Treatment Plan

1 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 P = Proposed A = Actual	Date of Primary Treatment or Sampling P = Proposed A = Actual	Date Treated Wastes and/or Treatment Residues Shipped Offsite P = Proposed A = Actual
	LANL	Yes	1/9/07	A 6/14/07	A 8/27/07
LA-CIN02.001	LANL	Yes	A 8/10/07	P 1/9/08	P 4/9/08
KEBASIN01	Hanford	Yes	A 8/22/07	P 2/23/08	P 8/23/08

2
3
4

Shipment Received 7/25/07

Drum #	EPA Codes (for all containers)
S823756	D004, D005, D006, D007
S844038	D008, D009, D010, D011
S856101	D022, F001, F002, F005
S844943	06 F007, F009
S8435	
S843977	
S856132	

5
6

Shipment Received 8/23/07

Drum #	EPA Codes (for all containers)
HNF0025865	Non-Hazardous TRU waste
HNF0024063	
HNF0027935	
HNF0025948	
HNF0031953	
HNF0026023	
HNF0029155	

7

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-CFA-732	CONTAMINATED GROUNDWATER SAMPLES	2/23/98
	Disposition: Treatability study on 100% of waste. No future generation of this waste stream.	
ID-INL-100	REPACKAGED WASTE	5/15/98
	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.	
ID-INL-220	ACTIVATED CARBON LLMW	2/24/97
	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.	
ID-INL-268	PWTU SPENT RESINS	2/24/97
	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.	
ID-NRF-217	HEAVY METAL RADIOACTIVE OIL	5/28/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-PBF-292	FREON SYSTEM WASTE - LIQUID	8/17/98
	Disposition: No future generation of this waste stream. All inventory has been treated via incineration.	
ID-PBF-293	FREON SYSTEM WASTE - SOLIDS	8/13/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-PBF-558	WERF MERCURY IN OIL	2/23/98
	Disposition: Treatability study on 100% of waste. No future generation of this waste stream.	
ID-RFO-300	GRAPHITE MOLDS	4/27/99
	Disposition: Characterization data showed that this waste stream is nonhazardous.	
ID-RFO-300T	GRAPHITE MOLDS	4/27/99
	Disposition: Characterization data showed that this waste stream was nonhazardous.	
ID-RWM-221	IGNITABLE LIQUID	5/28/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-RWM-222	CARBURETOR GREASE	5/28/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-SMC-149A	SPENT GM 141 SAPC SOLVENT	8/17/98
	Disposition: No future generation of this waste stream. All inventory has been treated via incineration	
ID-SMC-149B	SPENT STODDARD SOLVENT	8/17/98
	Disposition: No future generation of this waste stream. All inventory has been treated via incineration.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-SMC-304	CALCINED URANYL NITRATE	2/12/96
	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.	
ID-SMC-412	ETHYLENE GLYCOL HYDRAULIC FLUID	8/17/98
	Disposition: No future generation of this waste stream. All inventory has been treated via incineration.	
ID-SMC-529	ACID CONCRETE ETCH	8/13/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-TAN-276	WATER WITH TRICHLOROETHYLENE	8/13/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-TEC-303	SOLID, SILVER-CONTAMINATED LLMW	8/17/98
	Disposition: No future generation of this waste stream. All inventory treated via a treatability study.	
ID-TEC-509	USED HEXONE	2/12/96
	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.	
ID-TEC-512	SLUDGE - CHARACTERISTIC	2/23/98
	Disposition: Waste stream will not be generated	
ID-TRA-155	TRA LAB SCINTILLATION COCKTAILS	5/28/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-TRA-210	FREON DECON WASTE	10/30/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-TRA-214	1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE	5/28/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-TRA-251	ELECTROPLATING SOLUTION	2/24/97
	Disposition: Consumed in a treatability study. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-TRA-252	FREON SLUDGE	10/30/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-TRA-536	ELEMENTAL Hg CONTAMINATED W/RAD MATERIAL	5/28/96
	Disposition: Treated by Generator Treatment Plan. No waste currently in storage (no backlog) and the waste is not projected to be generated.	
CH-ANL-669	MLLW Cd: FCF MODIFICATION AND ER WORK	1/21/04
	Disposition: Treated and no longer generated.	
CH-ANL-691	TREAT/PHP STACK CONDENSATE WATER	1/21/04
	Disposition: Treated and no longer generated.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
CH-ANL-711	EML ETCHING SOLUTION	1/21/04
	Disposition: Treated and no longer generated.	
CH-ANL-712	ANL-W ETCHING SOLUTIONS	1/21/04
	Disposition: Treated and no longer generated.	
ID-CFA-256	METHANOL SOLUTION	1/21/04
	Disposition: Treated and no longer generated.	
ID-CFA-533	ARA-I D&D NONCOMPACTIBLE LEAD	1/21/04
	Disposition: Treated and no longer generated.	
ID-CFA-551	HDEHP/HEPTANE EXTRACTANT	1/21/04
	Disposition: Treated and no longer generated.	
ID-CFA-662	SCINTILLATION COCKTAILS	1/21/04
	Disposition: Treated and no longer generated.	
ID-CFA-688	ARA-1 SOILS W/LEAD	1/21/04
	Disposition: Treated and no longer generated.	
ID-CFA-734	XYLENE, ALIQUOT 336 WITH PERCHLORATE	1/21/04
	Disposition: Treated and no longer generated.	
ID-IRC-271	BIOPROCESSING MIXED WASTE	1/21/04
	Disposition: Treated and no longer generated.	
ID-PBF-153	TAN/IET HOT WASTE SLUDGE	1/21/04
	Disposition: Treated and no longer generated.	
ID-PBF-549	AQUEOUS LIQUID W/METALS AND PCBs	1/21/04
	Disposition: Treated and no longer generated.	
ID-SMC-301	TCA STILL BOTTOMS	1/21/04
	Disposition: Treated and no longer generated.	
ID-SMC-303	MISCELLANEOUS PAINT WASTES	1/21/04
	Disposition: Treated and no longer generated.	
ID-SMC-400	RAD-CONTAMINATED LEAD	1/21/04
	Disposition: Treated and no longer generated.	
ID-SMC-528	CADMIUM-CONTAMINATED MOP WATER	1/21/04
	Disposition: Treated and no longer generated.	
ID-SMC-691	NITRIC ACID	1/21/04
	Disposition: Treated and no longer generated.	
ID-SMC-696	LEGACY TCE AND CORROSIVE WASTE	1/21/04
	Disposition: Treated and no longer generated.	
ID-TAN-188	TURCO DECON SOLUTION (UNUSED)	1/21/04
	Disposition: Treated and no longer generated.	
ID-TAN-534	TAN-616 LEAD SHIELDING (PLATING)	1/21/04
	Disposition: Treated and no longer generated.	
ID-TEC-201	F002 CONTAMINATED SOLIDS	1/21/04
	Disposition: Treated and no longer generated.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-TEC-300	“A” CADMIUM RACKS	1/21/04
	Disposition: Treated and no longer generated.	
ID-TEC-510	DEBRIS TREATMENT RESIDUE–LISTED	1/21/04
	Disposition: Treated and no longer generated.	
ID-TEC-511	SLUDGE–LISTED	1/21/04
	Disposition: Treated and no longer generated.	
ID-TRA-127	TRA SCINTILLATION COCKTAILS (ALPHA <10)	1/21/04
	Disposition: Treated and no longer generated.	
ID-TRA-281	ETR NONCOMPACTIBLE LEAD	1/21/04
	Disposition: Treated and no longer generated.	
ID-TRA-282	MTR D&D NONCOMPACTIBLE LEAD	1/21/04
	Disposition: Treated and no longer generated.	
ID-TRA-525	SOLVENT EXTRACTANTS	1/21/04
	Disposition: Treated and no longer generated.	
NR-NRF-117	CADMIUM SHEETS	1/21/04
	Disposition: Treated and no longer generated.	
NR-NRF-515	LIQUID MERCURY	1/21/04
	Disposition: Treated and no longer generated.	
NR-NRF-703	CORROSIVE LIQUIDS WITH HEAVY METALS	1/21/04
	Disposition: Treated and no longer generated.	
CH-ANL-183	RADIOACTIVE PAINT STRIPPING WASTE	10/27/04
	Disposition: Treated and no longer generated.	
ID-CFA-259	RADIOACTIVE PCB OIL W/ TCLP ORGANICS	10/27/04
	Disposition: Treated and no longer generated.	
ID-CFA-556	AQUEOUS WASTE SUBJECT TO UHCS	10/27/04
	Disposition: Treated and no longer generated.	
ID-CFA-661	ELECTRICAL COMPONENTS W/ LEAD	10/27/04
	Disposition: Treated and no longer generated.	
ID-CFA-664	EDTA AND LEAD	10/27/04
	Disposition: Treated and no longer generated.	
ID-CFA-705	VERMICULITE WITH GREASE	10/27/04
	Disposition: Treated and no longer generated.	
ID-INL-266	WERF MONITOR DEBRIS	10/27/04
	Disposition: Treated and no longer generated.	
ID-INL-267	PWTU SPENT FILTERS	10/27/04
	Disposition: Treated and no longer generated.	
ID-INL-270	HEAVY METAL-CONTAMINATED SOLIDS	10/27/04
	Disposition: Treated and no longer generated.	
ID-INL-710	MLLW FLOOR STRIPPING MATERIALS	10/27/04
	Disposition: Treated and no longer generated.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-INL-726	MLLW OILS	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-212	Pb AND Cd-CONTAMINATED SOIL	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-272	URANIUM SPIKES AND LEAD	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-274	WERF FLY ASH	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-275	WERF BOTTOM ASH	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-277	WERF SIZING BAGHOUSE DUST	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-545	CERCLA SOIL CONTAMINATED WITH CHROMIUM	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-678	MWSF PIPING AND VALVES	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-714	WERF INCINERATOR FLY ASH	10/27/04
	Disposition: Treated and no longer generated.	
ID-PBF-715	WERF INCINERATOR BOTTOM ASH	10/27/04
	Disposition: Treated and no longer generated.	
ID-SMC-303	MISCELLANEOUS PAINT WASTES	10/27/04
	Disposition: Treated and no longer generated.	
ID-SMC-411	MIXED WASTE DEBRIS	10/27/04
	Disposition: Treated and no longer generated.	
ID-SMC-537	MERCURY-CONTAMINATED MATERIALS	10/27/04
	Disposition: Treated and no longer generated.	
ID-TAN-124	HTRE-3 Hg CONTAMINATED CONCRETE	10/27/04
	Disposition: Treated and no longer generated.	
ID-TAN-209	TURCO DECON (OXIDIZER)	10/27/04
	Disposition: Treated and no longer generated.	
ID-TAN-531	LEAD SHIELDING LOFT MOBILE TEST	10/27/04
	Disposition: Treated and no longer generated.	
ID-TAN-547	RADIOACTIVE CADMIUM SOURCES	10/27/04
	Disposition: Treated and no longer generated.	
ID-TAN-548	MACROENCAPSULATED LEAD SWarf	10/27/04
	Disposition: Treated and no longer generated.	
ID-TAN-709	DRUM EVAPORATOR SOLIDS	10/27/04
	Disposition: Treated and no longer generated.	
ID-TAN-718	SAMPLING EQUIPMENT AND RESIDUE	10/27/04
	Disposition: Treated and no longer generated.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-TAN-721	SILVER ZEOLITE	10/27/04
	Disposition: Treated and no longer generated.	
ID-TAN-723	PAINT CHIPS WITH LEAD/PCBs	10/27/04
	Disposition: Treated and no longer generated.	
ID-TEC-111	CADMIUM-CONTAMINATED SOLIDS	10/27/04
	Disposition: Treated and no longer generated.	
ID-TEC-527	CONTAMINATED SOIL-LISTED	10/27/04
	Disposition: Treated and no longer generated.	
ID-TEC-552	RADIOACTIVE LEAD WITH LISTED CODES	10/27/04
	Disposition: Treated and no longer generated.	
ID-TEC-713	TURCO DESCALER AT NWCF	10/27/04
	Disposition: Treated and no longer generated.	
ID-TEC-717	SAMPLE RESIDUE FROM CERAMIC SAMPLING	
	Disposition: Treated and no longer generated.	
ID-TRA-128	LABORATORY EQUIPMENT AND DEBRIS	10/27/04
	Disposition: Treated and no longer generated.	
ID-TRA-269	ELECTRONIC BOARD & MISC. MACHINERY	10/27/04
	Disposition: Treated and no longer generated.	
ID-TRA-667	PCB ACID DIGESTION RESIDUE	10/27/04
	Disposition: Treated and no longer generated.	
ID-TRA-693	LEAD-CONTAMINATED PAINT CHIPS	10/27/04
	Disposition: Treated and no longer generated.	
NR-NRF-142	LEAD-CONTAMINATED DEBRIS	10/27/04
	Disposition: Treated and no longer generated.	
NR-NRF-143	RADIOACTIVE-CONTAMINATED LEAD (NRF)	10/27/04
	Disposition: Treated and no longer generated.	
NR-NRF-514	PAINT CHIPS	10/27/04
	Disposition: Treated and no longer generated.	
ID-CFA-103	LIQUID LAB WASTE W/ METALS AND ORGANICS	4/21/04
	Disposition: Treated and no longer generated	
ID-CFA-107	ARA-IV SUMP SLUDGE	4/21/04
	Disposition: Treated and no longer generated	
ID-CFA-121	HEAVY METAL LIQUID LAB WASTES	4/21/04
	Disposition: Treated and no longer generated	
ID-CFA-667	MIXED LEAD	4/21/04
	Disposition: Treated and no longer generated	
ID-CFA-676	RESIN COLUMN MEDIA	4/21/04
	Disposition: Treated and no longer generated	
ID-CFA-677	DEMINERALIZER FILTER	4/21/04
	Disposition: Treated and no longer generated	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-CFA-695	ARA-II SEPTIC TANK SOLIDIFIED SLUDGE	4/21/04
	Disposition: Treated and no longer generated	
ID-CFA-701	Paint Residue Contaminated w/ PCB's	4/21/04
	Disposition: Treated and no longer generated	
ID-CFA-702	ARA-1 D&D PPE and PIPING/DRAINS	4/21/04
	Disposition: Treated and no longer generated	
ID-INL-117	CONTAMINATED CADMIUM SHEETING	4/21/04
	Disposition: Treated and no longer generated	
ID-INL-268	PWTU SPENT RESINS	4/21/04
	Disposition: Treated and no longer generated	
ID-IRC-501	Cd AND Pb CONTAMINATED SOIL, TRACE RAD	4/21/04
	Disposition: Treated and no longer generated	
ID-IRC-668	BIOASSAY ANALYSIS WASTE	4/21/04
	Disposition: Treated and no longer generated	
ID-PBF-261	WERF BAGHOUSE BAGS (TEFLON)	4/21/04
	Disposition: Treated and no longer generated	
ID-PBF-263	WERF HEPA FILTERS AND PREFILTERS	4/21/04
	Disposition: Treated and no longer generated	
ID-PBF-264	WERF BAGHOUSE BAGS (BLUE MAX)	4/21/04
	Disposition: Treated and no longer generated	
ID-PBF-681	DEBRIS FROM HEAT EXCHANGER CHANGE-OUT	4/21/04
	Disposition: Treated and no longer generated	
ID-PBF-684	RINSATE WATER	4/21/04
	Disposition: Treated and no longer generated	
ID-PBF-686	MERCURY CONTAMINATED RAGS	4/21/04
	Disposition: Treated and no longer generated	
ID-RWM-255	MERCURY CONTAMINATED SOIL	4/21/04
	Disposition: Treated and no longer generated	
ID-RWM-508	EQUIPMENT PIT DECON WASTE	4/21/04
	Disposition: Treated and no longer generated	
ID-RWM-685	HEPA FILTERS FROM DRUM VENT FACILITY	4/21/04
	Disposition: Treated and no longer generated	
ID-RWM-692	NITRATE SALTS	4/21/04
	Disposition: Treated and no longer generated	
ID-SMC-133	MISCELLANEOUS LAB WASTES	4/21/04
	Disposition: Treated and no longer generated	
ID-SMC-304	CALCINED URANYL NITRATE	4/21/04
	Disposition: Treated and no longer generated	
ID-SMC-305	HEAVY METAL CONTAMINATED WASTE OILS	4/21/04
	Disposition: Treated and no longer generated	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-SMC-507	EUTECTIC SALT WITH LEAD (Pb)	4/21/04
	Disposition: Treated and no longer generated	
ID-TAN-170	IET LIQUID WASTE	4/21/04
	Disposition: Treated and no longer generated	
ID-TAN-254	HTRE-III TREATMENT SLUDGE	4/21/04
	Disposition: Treated and no longer generated	
ID-TAN-413	LEAD CONTAMINATED SCRAP METAL	4/21/04
	Disposition: Treated and no longer generated	
ID-TAN-502	ISV HEPA FILTERS	4/21/04
	Disposition: Treated and no longer generated	
ID-TAN-557	TAN-607 FLOOR SWEEPINGS & VAT RESIDUE	4/21/04
	Disposition: Treated and no longer generated	
ID-TAN-679	TAN 648 RPSSA RAINWATER	4/21/04
	Disposition: Treated and no longer generated	
ID-TEC-217	SCRUB PUMP RADIOACTIVE OIL	4/21/04
	Disposition: Treated and no longer generated	
ID-TEC-301	LIQUID ACID/MERCURY MIXED WASTE	4/21/04
	Disposition: Treated and no longer generated	
ID-TEC-708	NWCF HEPA FILTER SAMPLE RESIDUES	4/21/04
	Disposition: Treated and no longer generated	
ID-TRA-157	TRA WARM WASTE POND SAMPLES	4/21/04
	Disposition: Treated and no longer generated	
ID-TRA-253	CADMIUM FUEL GRID	4/21/04
	Disposition: Treated and no longer generated	
ID-TRA-704	ARMF and CFRMF Components and Shielding	4/21/04
	Disposition: Treated and no longer generated	
NR-NRF-190	LEAD FILINGS	4/21/04
	Disposition: Treated and no longer generated	
NR-NRF-517	OIL WITH HEAVY METALS	4/21/04
	Disposition: Treated and no longer generated	
NR-NRF-518	WATER WITH HEAVY METALS	4/21/04
	Disposition: Treated and no longer generated	
NR-NRF-520	BRASS AND BRONZE	4/21/04
	Disposition: Treated and no longer generated	
ID-INL-142	LEAD CONTAMINATED DEBRIS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-803)	
ID-INL-143	RADIOACTIVELY CONTAMINATED LEAD	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-800 and ID-INL-801)	
ID-INL-213	MERCURY-CONTAMINATED DEBRIS & ASBESTOS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-804)	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
ID-INL-299	SAMPLE WASTE	1/19/05
	Disposition: Remaining waste was classified as TRU	
ID-INL-550	MLLW FROM WERF OPERATIONS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-803)	
ID-INL-724	MIXED LOW-LEVEL LIQUIDS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-803)	
ID-TAN-666	PCB-CONTAMINATED DEBRIS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-804)	
ID-TAN-727	TAN WASTE FROM CLEAN-UP ACTIVITIES	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-800)	
ID-TEC-131	MERCURY-CONTAMINATED SOLIDS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-800)	
ID-TEC-304	CONTAMINATED DEBRIS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-800, ID-INL-802, ID-INL-803, ID-INL-804, ID-INL-805)	
ID-TEC-307	CONTAMINATED LABORATORY RESIDUE	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-800)	
ID-TEC-504	NON-DEBRIS SOLIDS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-800, ID-INL-802, ID-INL-805)	
ID-TEC-530	D006-D011 CONTAMINATED NON-DEBRIS	1/19/05
	Disposition: Recharacterized as TRU waste	
ID-TEC-698	SOIL, WOOD, CONCRETE, PPE	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-800, ID-INL-802, ID-INL-805)	
ID-TRA-294	SOLVENT-CONTAMINATED RAGS	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-803)	
NR-NRF-665	PAINT CHIPS W/PCB AND RCRA	1/19/05
	Disposition: Waste moved to new Waste Stream Identifier (ID-INL-804)	
AE-W015	ORGANIC SOLVENTS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
AE-W030	COMBUSTIBLE SOLIDS W/METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
AE-W031	COMBUSTIBLE SOLIDS W/ORGANICS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
AE-W034	PPE CONTAMINATED WITH LEAD	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
AF-MW-01	AIR FORCE MUNITIONS MAINTENANCE WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
BT-W001	ORGANIC LIQUID WASTE WITH HEAVY METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
BT-W002	SPENT SOLVENT RAGS	10/29/97
	Disposition: Treated and no future generation of this waste stream.	
BT-W003	ORGANIC WASTE WITH HEAVY METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
BT-W007	SOLIDS WITH SOLVENTS	10/29/97
	Disposition: Treated with no future generation of this waste stream.	
BT-W018	TCLP EXTRACTION FLUID	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
BT-W033	IGNITABLE LIQUID	10/29/97
	Disposition: Treated with no future generation of this waste stream.	
CN-W002	LEAD AND LEAD-BEARING MATERIALS	2/24/97
	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.	
ET-CC-01	WASTE OILS	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
ET-W009	PAINT CHIPS	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
ET-W020	LABORATORY ANALYTICAL REAGENT WASTE	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
ET-W023	ELEMENTAL MERCURY	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
ET-W026	CRUSHED MERCURY LIGHT BULBS	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GA-CC-01	CA. LISTED WASTES	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GA-W003	SVA: Pb-CONTAMINATED SLUDGE	2/24/97
	Disposition: Has been treated at Hanford and on-Site. This waste will not be received at the INL.	
GA-W007	HOT CELL D&D: Pb SHOT	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GA-W013	HOT CELL D&D: Pb BRICK	2/24/97
	Disposition: Accepted by Envirocare under the Mixed Waste Focus Area Cooperative Agreement. This waste will not be received at the INL.	
GA-W025	SVA: LEAD SCRAP	2/24/97
	Disposition: Has been shipped for off-Site treatment. This waste will not be received at the INL.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
GA-W031	SVA: OILY DEBRIS CONTAINING METHYLENE CL	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GA-W034	DOUBLET 11 ALCOHOL AND TRITIUM	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GA-W037	WASTE W/F-LISTED SOLVENTS	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GA-W038	MISCELLANEOUS LIQUID SOLVENTS	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GA-W043	SVA ORGANIC LIQUID	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GA-W044	WOOD HOUSING HEPA FILTERS	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
GJPO-94-017	WASTE OIL SLUDGE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
GJPO-96-017	MISC. COMBUSTIBLE MIXED WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
GJPO-97-030	ACTIVATED CARBON	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KA-W002	CUTTING OILS AND LIQUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KA-W003	TRICHLOROETHYLENE	10/29/97
	Disposition: Treated and no future generation of this waste stream.	
KA-W006	FREON 113 ON RAGS	10/29/97
	Disposition: Treated with no future generation of this waste stream.	
KA-W007	OILS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KA-W009	ORGANIC DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KA-W013	ORGANIC DEBRIS W/O METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KA-W014	ORGANIC SLUDGE AND PARTICULATES	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KA-W018	Hg-CONTAMINATED ORGANICS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KK-W003	OILS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KK-W004	MISC. LABORATORY CHEMICALS W/O METALS	1/24/01

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KK-W005	ORGANIC DEBRIS CONTAINING HEAVY METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KK-W008	ORGANIC SLUDGES/PARTICULATES	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KK-W009	ORGANIC DEBRIS WITHOUT METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KK-W011	CUTTING OILS AND LIQUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KK-W014	Hg-CONTAMINATED ORGANICS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KW-W001	OILS	5/14/97
	Disposition: Waste is not expected to be generated. This waste will not be received at the INL. April Quarterly Meeting.	
KW-W003	ORGANIC DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KW-W006	ORGANIC SLUDGES/PARTICULATES	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
KW-W008	MISCELLANEOUS LABORATORY CHEMICALS	10/27/99
	Disposition: Waste stream deleted per generator update.	
KW-W009	SOILS	10/27/99
	Disposition: Waste stream deleted per generator update.	
KW-W010	Hg-CONTAMINATED ORGANICS	10/27/99
	Disposition: Waste stream deleted per generator update.	
KW-W011	Hg-CONTAMINATED INORGANICS	10/27/99
	Disposition: Waste stream deleted per generator update.	
KW-W012	ELEMENTAL Hg	5/28/96
	Disposition: KAPL - Windsor no longer expects to generate this waste. This waste will not be received at the INL.	
KW-W014	PCB-CONTAMINATED WASTE	10/19/05
	Disposition: Waste streams treated and disposed of. Waste will not be generated again.	
LA-W901	IPA WASTES	3/4/97
	Disposition: Waste stream treated and residuals sent to Envirocare	
LA-W902	SCINTILLATION VIALS	3/4/97
	Disposition: Waste stream treated and residuals sent to Envirocare	
LA-W903	LEAD BLANKETS	5/14/97
	Disposition: Was sent to Envirocare for treatment and disposal. Waste not received at the INL. April Quarterly Meeting.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LA-W905	ER SOILS	5/14/97
	Disposition: Was sent to Envirocare for treatment and disposal. Waste not received at the INL. April Quarterly Meeting.	
LA-W909	BULK OILS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LA-W911	ORGANIC-CONTAMINATED COMBUSTIBLE SOLIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LA-W912	COMBUSTIBLE DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LA-W929	NONRADIOACTIVE AND SUSPECT WASTE ITEMS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LA-W930	SURFACE-CONTAMINATED LEAD	10/30/96
	Disposition: Will be sent to Envirocare under the Mixed Waste Focus Area Cooperative Agreement. This waste will not be received at the INL.	
LANL-ER-1	TA-35 TANK D&D WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-CC-116	ORGANIC SOLIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-CC-118	LAB-PACKED CHEMICALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-CC-120	PUMP OIL	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-CC-124	CONTAMINATED DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-CC-125	ORGANIC LIQUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-CC-126	WASTE CONTAINING OIL	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-W001	ACIDIC AQUEOUS AND SOLID LAB PACKS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-W004	ORGANIC LIQUIDS AND SOLIDS: LAB PACKED	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-W007	SCINTILLATION FLUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-W008	AQUEOUS AND SOLID CHEMICAL OXIDIZERS LAB	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-W009	SOLIDS OR CONTAMINATED DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LB-W124	VERMICULITE W/OIL-SOLVENTS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LBNL-CC-114	CYANIDE SOLUTION	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LL-W007	ELEMENTAL LEAD	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
LL-W015	INORGANIC DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
LLNL-CC-01	CONTAMINATED OIL	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
MD-W021	OIL-CONTAMINATED FLORCO	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
MD-W023	SCINTILLATION COCKTAIL CONTAMIN. FLORCO	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
MD-W024	SCINTILLATION COCKTAIL CONTAMIN. TRASH	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
MI-W005	SOLID WASTE WITH PETROLEUM PRODUCTS	2/12/96
	Disposition: Waste will be sent to SEG as nonhazardous waste. This waste stream will not be received at the INL.	
MI-W007	LEAD BRICKS, SHEETS, WOOL, SCRAPINGS	2/24/97
	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.	
MI-W009	SOLID WASTE WITH CORROSIVES	2/12/96
	Disposition: This waste stream was determined to be nonhazardous by Mare Island personnel. This waste will not be received at the INL.	
MI-W012	COMBUSTIBLE DEBRIS	2/12/96
	Disposition: This waste stream was determined to be nonhazardous by Mare Island personnel. This waste will not be received at the INL.	
MI-W013	ORGANIC PROCESS RESIDUES	2/12/96
	Disposition: This waste stream was determined to be nonhazardous by Mare Island personnel. This waste will not be received at the INL.	
MU-W001	MIXED LOW-LEVEL WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
NA-W001	SOLID WASTE WITH HEAVY METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
NN-W001	LEAD/CHROMIUM-BASED PAINT CHIPS	5/14/97
	Disposition: Sent to Hanford for treatment. Waste not received at the INL. April Quarterly Meeting.	
NN-W002	ORGANIC WASTE WITH HEAVY METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
NN-W011	DEBRIS/SLUDGE CONT.W/METALS/LISTED/ORG.	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PA-F030	LEAD-CONTAMINATED DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
PA-G001	FLAMMABLE MATERIALS/PAINTS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PA-K038	SPENT SOLVENT SOLIDS/WOOD	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PA-L038	SOFT COMBUSTIBLE DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PA-M038	SOFT COMBUSTIBLE DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PA-W003	WASTE MINERAL SPIRITS PAINT WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PA-W003	USE PAINT WASTE SOLIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PH-W002	LIQUID CONTAINING 1,1,1-TRICHLOROETHANE	10/29/97
	Disposition: Treated with no future generation of this waste stream.	
PH-W004	ORGANIC WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PN-W015	SOLIDS CONTAM. WITH POTASSIUM CHROMATE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W008	MOTOR CLEANING SOLUTION	10/27/99
	Disposition: Waste stream deleted per generator update.	
PO-W012	URANIUM RECOVERY SOLVENT	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W013	CHROMIC CLOSURE WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W028	LAB WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W029	WASTE ANTIFREEZE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W040	ACETONE STILL BOTTOMS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W057	SOLVENTS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W058	ACTIVATED CARBON SLUDGE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W077	NEAT TCE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PO-W078	DIESEL FUEL, GASOLINE, KEROSENE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
PS-W001	ORGANIC DEBRIS WITH HEAVY METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
PS-W004	LIQUID WITH F-LISTED SOLVENTS	10/29/97
	Disposition: Treated with no future generation of this waste stream.	
PS-W005	DEBRIS WITH F-LISTED SOLVENTS	10/29/97
	Disposition: Treated with no future generation of this waste stream.	
PS-W006	SOLIDIFIED LIQUID WITH F-LISTED SOLVENTS	5/14/97
	Disposition: Waste was determined to meet LDR standards. Waste not received at the INL. April Quarterly Meeting.	
PS-W009	PAINT THINNER WITH BUTYL ALCOHOL	5/14/97
	Disposition: This waste stream will not be received at the INL. April Quarterly Meeting.	
PS-W011	DEBRIS w/HEAVY METALS & F-LISTED SOLVENT	5/14/97
	Disposition: This waste will not be received at the INL. April Quarterly Meeting.	
PS-W019	FILTERS W/ASBESTOS AND DIOCTYL PHTHALATE	5/28/96
	Disposition: This waste is no longer regulated due to revisions in state regulations. This waste will not be received at the INL.	
PS-W020	COMPRESSED FILTER MEDIA W/DIOCTYL PHTHAL	5/28/96
	Disposition: This waste is no longer regulated due to revisions in state regulations. This waste will not be received at the INL.	
PX-6.1	OLVENT AND HEAVY METAL CONTAMIN. DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
RF-W017	PCB LIQUIDS/LLM	10/27/99
	Disposition: Waste stream deleted per generator update.	
RF-W027	PAINTS/LLM	10/27/99
	Disposition: Waste stream deleted per generator update.	
RF-W049	MISCELLANEOUS LIQUIDS/LLM	10/27/99
	Disposition: Waste stream deleted per generator update.	
RF-W071-GAC	RANULATED-ACTIVATED CARBON	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
RF-W083	EXCESS CHEMICALS ORGANOMETALLIC LAB PACK	10/27/99
	Disposition: Waste stream deleted per generator update.	
PO-W048	GAS ANALYZER SOLUTIONS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
RF-W085	EXCESS CHEMICALS NON-LABPACKS W/D009/LLM	10/27/99
	Disposition: Waste stream deleted per generator update.	
RF-W086	EXCESS CHEMICALS NON-LAB PACKS-OTHER/LLM	10/27/99
	Disposition: Waste stream deleted per generator update.	
RL-601-01	MIXED WASTE DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
RL-AL0	ORGANIC ABSORBED LIQUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
RL-LPO	ORGANIC LAB PACKS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
SA-TG-11	ORGANIC LIQUIDS 11: OILS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
SA-TG-12	ORGANIC DEBRIS W/TCLP METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
SA-TG-17-A	ABSORBED MACHINE OILS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
SA-TG-18	PARTICULATES W/ORGANIC CONTAMINANTS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
SA-TG-7	ORGANIC LIQUIDS/SCINTILLATION COCKTAILS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
SA-TG-8/10	ORGANIC DEBRIS W/SOLVENTS/HETER DEBRIS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
SR-W014	TRITIATED MERCURY	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
SR-W049	TANK E-3-1 CLEAN OUT MATERIAL	1/27/99
	Disposition: Waste was treated at another DOE site and will not be received at the INL.	
SR-W068	LIQUID ELEMENTAL MERCURY	4/27/99
	Disposition: Has or will be treated by another site. Will not be received at the INL.	
WS-W005	2 4 D POWDER/CONTAMINATED SOLIDS	11/16/98
	Disposition: Waste is being treated on the Weldon Springs site and will not come to the INL.	
WS-W030	PAINT SLUDGE	11/16/98
	Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	
WS-W044	PAINT WASTE WITH MERCURY	11/16/98
	Disposition: Waste is being treated at the Weldon springs site and will not come to the INL.	
WS-W052	SLUDGE WITH D040	11/16/98
	Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	
WS-WITS-4847	ORGANIC WASTE WATER	11/16/98
	Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	
WS-WITS-6311	CONSOLIDATED OILS	11/16/98
	Disposition: Waste is being treated at the Weldon Springs site and will not come to the INL.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
WS-WITS-6435	UTS SLUDGE	11/16/98
	Disposition: Waste is being treated on the Weldon Springs site and will not come to the INL.	
WV-W003	ORGANIC EXTRACTION WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W005	DECON SOLUTION	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W006	Pu SCINTILLATION (nCi/G)	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W007	PYRIDINE/CYANIDE WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W008	OIL WITH MERCURY	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W009	METHANOL	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W010	PAINT	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W012	PAINT W/METALS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W014	Sr ORGANIC WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W016	R&D TOLUENE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W017	Tc AQUEOUS WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W018	DU-SQUEEZE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W021	IGNITABLE ORGANIC LIQUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W022	SPENT DEGREASER	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W025	CAUSTIC WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W027	OXIDIZERS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W029	IMMERSION BUCKET SOLUTION	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W030	AQUEOUS LAB WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W032	INGITABLE CHEMICAL PRODUCTS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
WV-W033	IGNITABLE METAL WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W034	ACIDIC AQUEOUS WASTE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W037	DECONTAMINATED SUPERNATANT	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W042	ORGANIC SLUDGES	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W043	IGNITABLE LIQUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W044	IGNITABLE ORGANIC LIQUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W047	INORGANIC SLUDGES	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W053	SODIUM BROHYDRIDE	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W054	CORROSIVE/FLAMMABLE LIQUIDS	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
WV-W056	REACTIVES	1/24/01
	Disposition: ALTERNATIVE TREATMENT TECHNOLOGY	
BT-W005	PAINT CHIPS W/HEAVY METALS MAY HAVE PCB	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W008	MERCURY-CONTAINING WASTE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W009	VOC-CONTAMINATED SOIL	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W010	ORGANIC LIQUIDS W/HEAVY METALS PCBs, & VOC	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W012	VOC & PCB-CONTAMINATED DEBRIS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W013	VOC & PCB-CONTAMINATED SOIL	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W017	ION EXCHANGE RESIN	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
BT-W019	ELEMENTAL LEAD	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W020	BRASS AND BRONZE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W028	VOC AND PCB-CONTAMINATED WATER	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W029	VOC-CONTAMINATED SEDIMENT/SLUDGE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W030	VOC-CONTAMINATED DEBRIS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W031	VOC AND PCB-CONTAMINATED SLUDGE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BT-W036	PCB-CONTAMINATED INORGANIC DEBRIS/PARTIC.	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
BN-W007	MERCURY WASTE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
ET-W019	CHROME SALT CORES	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KK-W010	LEAD BRICKS, SHEETS, OR WOOL	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KK-W013	SOILS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KK-W015	Hg-CONTAMINATED INORGANICS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KK-W016	ELEMENTAL Hg	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KK-W017	PCB-CONTAMINATED WASTE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KK-W018	PCB-CONTAMINATED WASTE (Nonincinerable)	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
KA-W001	MISC. LABORATORY CHEMICALS W/O METALS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KA-W011	ELEMENTAL LEAD	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KA-W015	SOILS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KA-W019	Hg-CONTAMINATED INORGANICS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KA-W020	ELEMENTAL Hg	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KA-W021	PCB-CONTAMINATED WASTE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
KA-W022	PCB-CONTAMINATED WASTE (Nonincinerable)	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W002	BASIC AQUEOUS LIQUIDS - LOW ALPHA	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W005	BLOCK & SHEET Pb-INDUCED & SURFACE CONTAM.	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W006	LIQUID-INDUCED MERCURY	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W011	ACIDIC AQUEOUS SOLUTIONS/SOLIDS w/METALS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W012	BASIC SOLIDS w/METALS - HIGH ALPHA	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W014	LIQUIDS/SOLIDS CONTAINING SOLVENTS & OIL	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W017	ORGANIC SCINTILLATION FLUIDS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W018	AQUEOUS/SOLID OXIDIZERS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LB-W019	DEBRIS CONTAMINATED w/ ORGANIC VOLATILES	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LB-W101	AQUEOUS ORGANIC LIQUID	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LL-W003	LOW-LEVEL MIXED INORGANIC TRASH-1	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LL-W006	LOW-LEVEL MIXED SCRAP METAL	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LL-W017	LOW-LEVEL MIXED INORGANIC TRASH-3	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LL-W021	LAB PACKS WITH METALS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LL-W024	LIQUID MERCURY WASTE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W904	SOIL WITH HEAVY METALS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W906	AQUEOUS ORGANIC WASTES	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W907	HALOGENATED ORGANIC LIQUIDS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W908	NONHALOGENATED ORGANIC LIQUIDS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W910	PCB WASTES WITH RCRA COMPONENTS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W913	AQUEOUS WASTES WITH HEAVY METALS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W914	CORROSIVE SOLUTIONS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W915	AQUEOUS CYANIDES, NITRATES, CHROMATES	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
LA-W916	WATER-REACTIVE WASTES	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W919	ORGANIC-CONTAMINATED NONCOMBUSTIBLE	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W920	ELEMENTAL MERCURY	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W921	ACTIVATED OR INSEPARABLE LEAD	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W922	NONCOMBUSTIBLE DEBRIS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W923	INORGANIC SOLID OXIDIZERS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W925	MERCURY WASTES – TBD	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
LA-W931	LEAD REQUIRING SORTING	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
NN-W003	DEBRIS WITH HEAVY METALS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
NA-W005	ELEMENTAL LEAD SHIELDING	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
PXSTP#-2.1	WASTE WATER	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
PXSTP#-6.2	INORGANIC DEBRIS; CONTAMINATED	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
PH-W006	ELEMENTAL LEAD	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
PO-W006	WASTE HG, METALLIC	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
PO-W061	MERCURY SOLIDS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	

INL Site Treatment Plan

Table 4-6. (continued).

Waste Stream ID	Waste Stream Name	Disposition Date
PS-W007	DEBRIS WITH HEAVY METALS AND PCBS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
PS-W012	PAINT CHIPS WITH HEAVY METALS AND PCBS	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
PS-W013	ELEMENTAL LEAD	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
RP-W001	NE FAST REACTOR PHYSICS SODIUM	10/31/01
	Disposition: WASTE WILL NOT BE RECEIVED AT THE INL FOR TREATMENT.	
MI-W001	SOLID WASTE WITH HEAVY METALS	10/31/03
	Disposition: Waste was shipped offsite for disposal.	
MI-W008	BRASS AND BRONZE	10/31/03
	Disposition: Waste was shipped offsite for disposal.	
MI-W014	INORGANIC DEBRIS W/HEAVY METALS W/O Hg	10/31/03
	Disposition: Waste was shipped offsite for disposal	
CN-W003	LEAD AND/OR CHROMIUM-BASED PAINT CHIPS	4/21/04
	Disposition: Treated and no longer generated	
CN-W005	Cd-PLATED METALS	4/21/04
	Disposition: Treated and no longer generated	
CN-W006	BRASS & BRONZE	4/21/04
	Disposition: Treated and no longer generated	
MI-W002	SOLIDIFIED SOLUTION WITH HEAVY METALS	4/21/04
	Disposition: Treated and no longer generated	
MI-W003	PAINT CHIPS W/HEAVY METALS	4/21/04
	Disposition: Treated and no longer generated	
MI-W004	EQUIPMENT CONTAINING THALLIUM	4/21/04
	Disposition: Treated and no longer generated	
MI-W010	BATTERIES AND FILM PACKS WITH MERCURY	4/21/04
	Disposition: Treated and no longer generated	
MI-W011	MATERIALS CONTAINING PCBs	4/21/04
	Disposition: Treated and no longer generated	

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 date when the waste was removed.

Table 4-6. Deleted waste streams.

Waste Stream ID	Waste Stream Name	Disposition Date
(INL Waste Streams)		
CH-ANL-184	SOLVENT DECON SOLUTION (NONHALOGENATED)	2/12/96
	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.	
CH-ANL-243T	METAL WASTE FORM	6/30/97
	Disposition: This waste will not be generated as a mixed waste, LLW only.	
CH-ANL-246T	ELECTROREFINER INSOLUBLES W/ CADMIUM	6/30/97
	Disposition: This waste will not be generated as a mixed waste, LLW only.	
CH-ANL-601	Cd-CONTAMINATED CLEANUP WASTE	5/28/96
	Disposition: Incinerated at WERF. No waste is currently in storage (no backlog) and waste is not projected to be generated.	
ID-CFA-193	EBR-I NaK	8/13/96
	Disposition: Treated at SCMS. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-CFA-257	METHYLENE CHLORIDE LAB WASTE	8/13/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-CFA-260	RADIOACTIVE PCB OIL W/ HEAVY METALS	8/13/96
	Disposition: Repackaged into ID-CFA-259. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-CFA-280	BORAX D&D NONCOMPACTIBLE LEAD SHIELDING	2/23/98
	Disposition: No future generation of this waste stream.	
ID-CFA-285	METHYLENE CHLORIDE LAB DEBRIS	5/28/96
	Disposition: Incinerated at WERF. No waste is currently in storage (no backlog) and waste is not projected to be generated.	
ID-CFA-298	DISTILLATION LIQUID WITH PYRIDINE	10/30/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	
ID-CFA-532	BORAX D&D CADMIUM FUEL RACK	2/12/96
	Disposition: This waste stream was determined to be nonhazardous through TCLP testing.	
ID-CFA-535	SAMPLE ACIDIFIED FOR SULFIDE AND CYANIDE	5/28/96
	Disposition: Incinerated at WERF. No waste currently in storage (no backlog) and waste is not projected to be generated.	

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 2.2.2.3. 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]

INL Site Treatment Plan

1 Table 5-1. Milestones/planning dates for mixed wastes with existing treatment technologies.

Facility	Assumptions	Schedule
Remote-Handled Waste Disposition Project	Continued inclusion in DOE budget requests in accordance with DOE Order 413.3, "Program and Project Management for Acquisition of Capital Assets."	<i>P-1, Submit Part B:1Q 2009</i> <i>P-2, Procure Contracts: 3Q 2008 (Commence Preliminary Design)</i> <i>P-3, Initiate Construction: 2Q 2009 (Commence Modification or Maintenance of facilities for RWDP)</i> <i>P-4, Commence System Testing: 2Q 2011 (Commence Handling Equipment System Testing Post Installation)</i> <i>P-5, Commence Operations: 1Q 2012</i> <i>P-6, Schedule for System Backlog: 2Q 2012</i>
SBW Treatment Facility		<i>P-1, Transmit Permit Modification request and request for Temporary Authorization 4Q2008</i> <i>P-2, Procure Contracts; (Completed)</i> <i>P-3,Initiate Construction (Completed)</i> <i>P-4, Commence Full-Scale System performance Testing. 3Q 2010</i> <i>P-5, Commence Operations 3Q 2011</i> <i>P-6, Schedule for System Backlog 1Q 2012</i>

2
3
4
5
6
7

8 **5.1.1.2 General Milestone and Planning Date Descriptions.** The following are general
9 descriptions for milestones and planning dates for existing facilities identified in this section. Specific
10 descriptions of milestones and planning dates that differ from the general descriptions are identified in
11 Table 5-1 for each individual facility.

- 12 • **P-1, Submit Part B:** The date on which INL presents the RCRA Part B submittal to the DEQ for
13 approval.
- 14 • **P-2, Procure Contracts:** The date on which contracts are in place for the design of facilities
15 and/or process equipment.
- 16 • **P-3, Initiate Construction:** The date on which contractor(s) have mobilized and construction of
17 a process or facility containing a process begins.
- 18 • **P-4, Commence System Testing:** The date on which testing begins on the treatment process
19 equipment on "cold" feedstock.

- 1 • **P-5, Commence Operations:** The date on which treatment of waste using the treatment process
2 begins.
- 3 • **P-6, Schedule for System Backlog:** The date on which the INL submits a schedule after
4 commencing operation identifying time required for processing waste currently in storage. This
5 includes waste in storage at the INL.
- 6 • **S-1, State Action:** Estimated date of approved Part B. This date is not a milestone or planning
7 date.

8 **5.2 Schedules for Treatment Facilities for Which Technology Exists** 9 **but Needs Adaptation, or for Which No Technology Exists**

10 Schedules for the modification or development of needed technologies for mixed waste streams
11 for which technology exists but needs some modification to be applicable to INL waste streams or for
12 which technology development is needed have been developed for the treatment facilities that will treat
13 these mixed waste streams. Section 5.2.2 presents the schedules for these planned treatment technologies.

14

15 **5.2.1 Mixed Waste to be Treated by Planned Facilities**

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

18 **5.2.1.1 General Assumptions for Planned Facility Schedules.**

19

20

21

22

23

24

INL Site Treatment Plan

1 Table 5-2. Milestones/planning dates for mixed wastes without existing treatment technologies.

Facility	Assumptions	Schedule
Calcine Disposition Project		<i>P-0</i> , Define project - Critical Decision (CD) (completed) <i>P-1</i> Identify funding requirements – CD-1 Confirmed in 4Q 2009 <i>P-2</i> , Identify and develop technology - Per the Settlement Agreement Section E.6, the Record of Decision issued by December 31, 2009 will identify calcine retrieval and treatment technologies. DOE will submit a separate P-2 milestone letter, after ROD signature 2Q 2010 <i>P-3</i> Submit treatability study notification , Not Planned ⁴ <i>P-4</i> Submit R&D Permit Applications Not Planned ⁴ <i>P-5</i> , Schedule for Table 5-1 (Table 2-1 Milestones/Planning dates) - Per the Settlement Agreement Section E.6, the December 31, 2009 ROD will include the schedule for ROD implementation. DOE will submit a separate P-5 milestone letter after any issues resulting from completion of P-2 are resolved. 3Q 2010 <i>P-6</i> , Proposal for feasibility study Completed in 4Q 1997, per Settlement Agreement <i>P-7</i> Submit RCRA Part B application (or regulatory equivalent) for calcine retrieval, treatment (if necessary) and packaging 1Q 2013

2
3

4 **5.2.1.2 General Milestone and Planning Date Descriptions.** The following are general
 5 descriptions for milestones and planning dates for planned facilities identified in this section. Specific
 6 descriptions of milestones and planning dates that differ from the general descriptions are identified in the
 7 individual facility section.

- 8 • **P-0, Define Project:** The date on which system analysis, private-sector evaluation, or other
 9 appropriate studies, including the use of mobile treatment units have been completed and an
 10 appropriate method(s) of providing treatment or waste management in accordance with LDR
 11 requirements can be proposed to the State of Idaho.
- 12 • **P-1, Identify Funding Requirements:** The date on which the cost and schedule for spending
 13 funds are submitted in an Activity Data Sheet (ADS) to DOE-HQ for the identification and
 14 development of technology.
- 15 • **P-2, Identify and Develop Technology:** The date on which technologies are identified and
 16 incorporated into the conceptual design.

INL Site Treatment Plan

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

- 5 • **P-4, Submit R&D Permit Applications:** The date on which the research and development
6 (R&D) permit application is submitted to the DEQ.

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

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

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

13 **5.2.2 Facility-Specific Schedules**

14 Table 5-2 presents the schedules for planned technologies.

15 **5.3 Schedules for Mixed Waste Streams Planned for Treatment**
16 **Off-Site**

17 (Currently, no waste streams are identified for off-Site treatment which requires treatment development.)

1 **5.3.1 General Assumptions for Mixed Waste Streams Intended for Treatment Off-Site**

- 2 • Changes due to the reality of congressional funding changes and DOE prioritization activities
3 may require additional time to complete milestones.
- 4 • These schedules assume that the DEQ will review and approve permits in a timely manner.

5 **5.3.2 General Milestone and Planning Date Descriptions**

6 The following are general descriptions for milestones and planning dates for mixed waste streams
7 intended for treatment off-Site.

- 8 • **P-1, Complete Necessary Characterization:** Dependent on the off-Site treatment facility WAC,
9 additional characterization may be necessary to meet that WAC. This will be determined upon
10 review of the facility's WAC with the waste profile sheets.
- 11 • **P-2, Complete Sorting:** Sorting and segregation of waste streams may be necessary in order to
12 characterize and certify waste streams for shipment to a treatment facility. If sorting is required, it
13 will be completed, as needed.
- 14 • **P-3, Complete Repackaging:** Once the waste streams have been certified to meet the treatment
15 facility's WAC, the wastes will be (re)packaged for transportation and as per the Waste
16 Certification Program.
- 17 • **P-4, Prepare Waste Stream Request for Storage and Treatment:** A request will be sent to the
18 treatment facility for the treatment of the waste.
- 19 • **P-5, Ship Waste Off-Site:** The shipment of waste to an off-Site facility will be established 90
20 days after the treatment facility P-6 milestone has been fulfilled.

21 **5.3.3 Facility-Specific Schedules**

22 Table 5-3 (Reserved).

23

24

25 **5.4 Mixed Transuranic-Contaminated Waste Shipped to WIPP**

INL Site Treatment Plan

1 Mixed Transuranic (MTRU) waste is mixed waste that contains more than 100 nCi of alpha-
2 emitting transuranic isotopes per gram of waste with half-lives greater than 20 years. Alpha contaminated
3 Mixed Low Level Waste (α -MLLW) waste is mixed waste containing between 10 and 100 nCi of alpha-
4 emitting transuranic isotopes per gram of with half-lives greater than 20 years. DOE has historically
5 managed α -MLLW and MTRU waste together in the same storage areas/facilities at the INL and
6 generally plans to treat and/or repackage wastes at the INL (both MTRU and α -MLLW) to meet the WAC
7 for disposal at the WIPP. For the purposes of this STP, DOE has identified these wastes in Table 4-2.
8 DOE expects to identify or generate waste during processing that will be appropriately managed as
9 MLLW.

10 MTRU and α -MLLW waste identified in Table 4-2 will be processed by 1Q FY 2019 as follows:
11 ⁴

- 12 1. Commencing in FY 2006, DOE agrees to process a cumulative average of 4,500 cubic meters of
13 original volume of transuranic-contaminated waste per year through the Advanced Mixed Waste
14 Treatment Project or other facility as follows:

- 15 (a) DOE may count the waste as processed toward the annual 4,500 cubic meters
16 requirement once DOE has either: (1) certified the waste for disposal at the WIPP, or (2)
17 declared that the waste will be managed as MLLW.
18

- 19 (b) When the total volume of a mixed waste stream in Table 4-2 has been certified for
20 disposal at WIPP, it may be deleted from the STP under Section 2.7.1, "Deletion of
21 Waste Streams." When deleted, the waste stream will be included in Table 4-6, "Deleted
22 waste streams."
23

- 24 (c) DOE shall declare that specific mixed waste will be managed as MLLW by adding it to
25 table 4-1, "Mixed Low Level Waste Streams Requiring Treatment" and submitting the
26 table along with other pertinent information at the quarterly meetings or in writing prior
27 to such meetings. Only waste identified in such written submissions to DEQ shall be
28 considered MLLW and counted toward meeting the requirements for processing waste
29

4. 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.

1 under this section.

- 2
- 3 2. The term “cumulative average” as used in this section means the amount of waste required to be
4 processed annually (4,500 cubic meters) multiplied the number of years starting in FY 2006. For
5 example, by FY 2010 DOE must have processed 22,500 cubic meters of original volume of
6 transuranic-contaminated waste (5 years times 4,500 cubic meters). The amount of waste
7 processed in any year in excess of the required amount may be applied toward the cumulative
8 average in subsequent years.
- 9
- 10 3. The term “original volume” as used in this section means the waste volume prior to processing
11 that is identified in Table 4-2, “Transuranic waste streams designated for WIPP.”

12

13 Nothing in this STP affects or modifies the obligations and remedies in the October 17, 1995,
14 Settlement Agreement and Court Order. The proposed INL facilities to treat mixed transuranic-
15 contaminated waste include the RTP and AMWTP Treatment Plant.

16

17 **5.5 Backlog Schedules for Operating Treatment Facilities**

18 Backlog schedules are adjusted annually for operating treatment facilities and are subject to the
19 procedures of Section 2 regarding milestones and planning dates, including Section 2.2, “Compliance
20 Schedules,” and Section 2.13, “Submittal and Review of Deliverables.” Backlog milestones and planning
21 dates will identify annual volumes of backlogged wastes expected to be treated by the end of the fourth
22 quarter of each fiscal year per Section 2.2.2.3. The backlog schedule will be established and annually
23 adjusted based on: (1) the actual volume of waste in storage as of the end of the fourth quarter of the prior
24 fiscal year (backlog), (2) the operational capacity of the treatment unit, and (3) plans for treating the
25 estimated volumes of any wastes projected to be generated or received from off-Site. Adjustments to the
26 backlog schedules will be discussed and then approved, as applicable and appropriate, as part of the
27 fourth quarter STP meeting (October) and reflected in the Annual Report. The treatment schedules will
28 identify the volume of backlog waste to be treated by the applicable facility by September 30 of each
29 fiscal year in the schedule. Specific descriptions of milestones are identified in Table 5-5.

INL Site Treatment Plan

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

Facility	Storage Vol 10/1/07	FY-08	FY-09	FY-10
HEPA Filter Leach	.52 m ³	.52 m ³	N/A	N/A
SCMS	41 m ³	2 m ³	2 m ³	2 m ³
Commercial Treatment	487.5 m ³	10 m ³	11.4 m ³	4 m ³
Original Volume Transuranic-Contaminated Waste ⁵	47,000 m ³	4,500 m ³ (9,000 m ³ cum. avg.)	4,500 m ³ (13,500 m ³ cum. avg.)	4,500m ³ (18,000 m ³ cum. avg.)

2

⁵ Backlog volumes are provided with both an annual volume and a cumulative average volume starting in FY 2007.

INL Site Treatment Plan

1 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
2 AMWTP Private Unit			
3 INL waste streams:			
4 CH-ANL-142T	LEAD-CONTAMINATED WASTE	CH-ANL-505T	ALHC UPGRADE DECON DEBRIS
5 ID-AEO-100T	GENERAL PLANT WASTE	ID-AEO-101T	CUT UP GLOVEBOXES
6 ID-AEO-102T	ABSORBED LIQUIDS		
7 ID-AEO-105T	EMPTY BOTTLES AND ABSORBENTS	ID-AEO-106T	SPECIAL SOURCE MATERIAL
8 ID-AEO-110T	RESEARCH-GENERATED WASTE COMPACTIBLE & COMBUSTIBLE	ID-AEO-120T	COMPACTIBLE AND COMBUSTIBLE WASTE
9 ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE	ID-ANL-162T	ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS
10 ID-ANL-163T	ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS.	ID-BCO-201T	NONCOMBUSTIBLE SOLIDS
11 ID-BCO-202T	COMBUSTIBLE SOLIDS	ID-BCO-203T	PAPER, METALS, GLASS
12 ID-BCO-204T	SOLIDIFIED SOLUTIONS	ID-BTO-010T	RAGS, GLOVES, POLY.
13 ID-BTO-020T	NONCOMPRESSIBLE, NONCOMBUSTIBLE	ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.
14 ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.	ID-INL-142T	TRANSURANIC-CONTAMINATED LEAD DEBRIS
15 ID-INL-150T	LABORATORY WASTE	ID-INL-155T	SCRAP
16 ID-INL-157T	MISCELLANEOUS SOURCES	ID-MDO-801T	RAGS, PAPER, WOOD, ETC.
17 ID-MDO-802T	DRY BOX GLOVES AND O-RINGS	ID-MDO-803T	METAL, EQUIPMENT, PIPES, VALVES, ETC.
18 ID-MDO-805T	ASBESTOS FILTERS	ID-MDO-810T	GLASS, FLASKS, SAMPLE VIALS, ETC.
19 ID-MDO-811T	EVAPORATOR AND DISSOLVER SLUDGE	ID-MDO-813T	GLASS FILTERS AND FIBERGLASS
20 ID-MDO-814T	CONTAMINATED MERCURY OR GRAPHITE CRUCIBLE	ID-MDO-815T	CLASSIFIED PARTS
21 ID-MDO-824T	NONCOMBUSTIBLE EQUIPMENT BOXES	ID-MDO-826T	COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SW
22 ID-MDO-827T	COMBUSTIBLE EQUIPMENT DRUMS	ID-MDO-834T	HIGH-LEVEL ACID
23 ID-MDO-835T	HIGH-LEVEL CAUSTIC	ID-MDO-836T	HIGH-LEVEL SLUDGE/CEMENT
24 ID-MDO-838	<10 nCi/g NONCOMBUSTIBLE	ID-MDO-842T	CONTAMINATED SOIL
25 ID-MDO-847T	LOW SPECIFIC ACTIVITY (<100 nCi/g) COMB.	ID-MDO-848T	LOW SPECIFIC ACTIVITY (<100 nCi/g) NONC.
26 ID-OFS-111T	RESEARCH-GENERATED WASTE NONCOMPACTIBLE	ID-OFS-121T	DECONTAMINATION AND DECOMMISSIONING WASTE
27 ID-RFO-000T	NOT RECORDED - UNKNOWN	ID-RFO-001T	FIRST STAGE SLUDGE
28 ID-RFO-002T	SECOND STAGE SLUDGE	ID-RFO-003T	ORGANIC SETUPS, OIL SOLIDS
29 ID-RFO-004T	SPECIAL SETUPS (CEMENT)	ID-RFO-005T	EVAPORATOR SALTS
30 ID-RFO-007T	BLDG 374 DRY SLUDGE	ID-RFO-090	DIRT
31 ID-RFO-112T	SOLIDIFIED ORGANICS	ID-RFO-113T	SOLID LAB WASTE
32 ID-RFO-114T	SOLIDIFIED PROCESS SOLIDS	ID-RFO-116T	COMBUSTIBLE WASTE
33 ID-RFO-117T	METAL WASTE	ID-RFO-118T	GLASS WASTE
34 ID-RFO-119T	HEPA FILTER WASTE	ID-RFO-122	INORGANIC SOLID WASTE
35 ID-RFO-122T	INORGANIC SOLID WASTE	ID-RFO-123T	LEADED RUBBER
36 ID-RFO-241T	AMERICIUM PROCESS RESIDUE	ID-RFO-290	FILTER SLUDGE
37 ID-RFO-292T	CEMENTED SLUDGE	ID-RFO-301T	GRAPHITE CORES
38			

6-2

10/31/07

INL Site Treatment Plan

1 **Table 6-1. (continued).**

	Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
2	ID-RFO-302T	BENELEX AND PLEXIGLASS	ID-RFO-312T	COARSE GRAPHITE
3	ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL	ID-RFO-328T	FULFLO INCINERATOR FILTERS
4	ID-RFO-330T	DRY PAPER AND RAGS	ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS
5	ID-RFO-336T	MOIST PAPER AND RAGS	ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC
6	ID-RFO-338T	INSULATION AND CHEMICAL WARFARE SERVICE	ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS
7	ID-RFO-360T	INSULATION	ID-RFO-371T	FIREBRICK
8	ID-RFO-374T	BLACKTOP, CONCRETE, DIRT, AND SAND	ID-RFO-375T	OIL-DRI RESIDUE FROM INCINERATOR
9	ID-RFO-376T	CEMENTED INSULATION AND FILTER MEDIA	ID-RFO-409T	MOLTEN SALTS - 30% UNPULVERIZED
10	ID-RFO-414T	DIRECT OXIDE REDUCTION SALT	ID-RFO-430T	UNLEACHED ION COLUMN RESIN
11	ID-RFO-431T	LEACHED RESIN	ID-RFO-432T	LEACHED AND CEMENTED RESIN
12	ID-RFO-440T	GLASS	ID-RFO-441T	UNLEACHED RASHIG RINGS
13	ID-RFO-442T	LEACHED RASHIG RINGS	ID-RFO-460T	WASHABLES, RUBBER, PLASTICS
14	ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS	ID-RFO-464T	BENELEX AND PLEXIGLASS
15	ID-RFO-480T	NONSPECIAL SOURCE METAL	ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL
16	ID-RFO-490T	CHEMICAL WARFARE SERVICE FILTERS	ID-RFO-700T	ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM
17	ID-RFO-900T	LOW SPECIFIC ACTIVITY PLASTICS, PAPER, ETC.		
18	ID-RFO-950T	LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.	ID-RFO-970T	WOOD
19	ID-RFO-976T	BLDG 776 PROCESS SLUDGE	ID-RFO-978T	LAUNDRY SLUDGE
20	ID-RFO-980T	FILTER SLUDGE	ID-RFO-990	DIRT
21	ID-RFO-9999T	PRE-73 DRUMS	ID-TEC-156	CHEM CELL RIP-OUT
22	ID-TEC-670T	MTRU LABORATORY ANALYTICAL WASTE	ID-TEC-699T	MIXED TRU WASTE FROM NWCF AND CSSF
23	CPP-659 HEPA Filter Disposition			
24	INL waste streams:			
25	ID-TEC-172	HEPA FILTERS	ID-TEC-305	LLW APS HEPA FILTERS
26	ID-TEC-720	FDP HEPA FILTERS	ID-TEC-721	VOG HEPA FILTERS
27	CTF			
28	INL waste streams:			
29	CH-ANL-111	URANIUM/CADMIUM FROM FCF EXPERIMENTS	CH-ANL-142	LEAD-CONTAM. SOLIDS-ANL-W OPERATIONS
30	CH-ANL-503	SPENT HEPA FILTERS AND PRE-FILTERS	CH-ANL-554	LEAD-CONTAMINATED DEBRIS
31	CH-ANL-716	DEBRIS AND/OR SOLIDS W/HEAVY METALS	ID-INL-800	CLASS B&C WASTE
32	ID-INL-801	CLASS A WASTE	ID-INL-802	INTEC CLASS A WASTE
33	ID-INL-803	AEROSOL WASTE	ID-INL-804	TSCA WASTE
34	ID-INL-805	INTEC CLASS B&C WASTE		
35	ID-AMWTP-100	MIXED WASTE INCIDENTAL TO PROCESSING		

6-3

10/31/07

INL Site Treatment Plan

1 **Table 6-1. (continued).**

Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
Calcine Disposition Facility			
INL waste streams:			
ID-TEC-174	HIGH-LEVEL WASTE CALCINE SOLIDS		
SBW Treatment Facility			
INL waste streams:			
ID-TEC-173	SODIUM-BEARING WASTE		
RWDP Remote Waste Disposition Project			
INL waste streams:			
CH-ANL-180	SODIUM - LLW	CH-ANL-180T	SODIUM - TRU
CH-ANL-182	SODIUM POTASSIUM NaK	CH-ANL-182T	SODIUM POTASSIUM -NaK- TRU
CH-ANL-218T	ELECTROREFINER SALT	CH-ANL-241T	TRU-CD-HOT CELL WASTE
CH-ANL-245T	ELECTROREFINER CADMIUM	CH-ANL-503T	TRU WASTE USED PRE-FILTERS
ID-ANL-160T	ANL-W HFEF ANALYTICAL CHEMISTRY AND METAL	ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE
ID-BTO-030	SOLIDIFIED GRINDING SLUDGE, ETC.	ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.
ID-INL-150T	LABORATORY WASTE	ID-INL-157T	MISCELLANEOUS SOURCES
ID-RFO-000T	NOT RECORDED - UNKNOWN	ID-RFO-001T	FIRST STAGE SLUDGE
ID-RFO-002T	SECOND STAGE SLUDGE	ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL
ID-RFO-330T	DRY PAPER AND RAGS	ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS
ID-RFO-336T	MOIST PAPER AND RAGS	ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC
ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS	ID-RFO-432T	LEACHED AND CEMENTED RESIN
ID-RFO-440T	GLASS	ID-RFO-441T	UNLEACHED RASHIG RINGS
ID-RFO-442T	LEACHED RASHIG RINGS	ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS
ID-RFO-480T	NONSPECIAL SOURCE METAL	ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL
ID-RFO-9999T	PRE-73 DRUMS	ID-TAN-200T	AMERICIUM SOURCES
SCMS DEACT			
INL waste streams:			
CH-ANL-179	SODIUM (CONTAMINATED) TIN BISMUTH ALLOY	CH-ANL-180	SODIUM - LLW
CH-ANL-182	SODIUM POTASSIUM NaK	CH-ANL-722	LITHIUM HYDRIDE

6-4

10/31/07

INL Site Treatment Plan

1 **Table 6-1. (continued).**

Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
2 SCMS Neutralization			
3 INL waste streams:			
4 CH-ANL-244	ICP WASTE SOLUTIONS W/ HEAVY METALS	CH-ANL-683	LABORATORY CORROSIVE WASTE W/ METALS
5 ID-INL-187	S1G SODIUM	ID-TRA-707	NITRIC ACID FROM TMI FUEL FINES SAMPLES
6 NR-NRF-703	CORROSIVE LIQUIDS WITH HEAVY METALS		
7 SCMS Open/Melt/Drain			
8 INL waste streams:			
9 CH-ANL-506	SODIUM STORED IN BLDG 703 & OTHER AREAS		
10 SCMS SCMS Prep			
11 INL waste streams:			
12 CH-ANL-111	URANIUM/CADMIUM FROM FCF EXPERIMENTS	CH-ANL-142	LEAD-CONTAM. SOLIDS-ANL-W OPERATIONS
13 CH-ANL-183	RADIOACTIVE PAINT STRIPPING WASTE	CH-ANL-224	CONTAMINATED HG-IBC CASK MAINTENANCE
14 CH-ANL-503	SPENT HEPA FILTERS AND PRE-FILTERS	CH-ANL-553	WCA MIXED WASTE
15 CH-ANL-554	LEAD-CONTAMINATED DEBRIS	CH-ANL-660	ANL-W MERCURY AND MERCURY DEBRIS
16 CH-ANL-716	DEBRIS AND/OR SOLIDS W/HEAVY METALS		
17 SCMS Stabilization			
18 INL waste streams:			
19 CH-ANL-244	ICP WASTE SOLUTIONS W/ HEAVY METALS	CH-ANL-683	LABORATORY CORROSIVE WASTE W/ METALS
20 ID-TRA-707	NITRIC ACID FROM TMI FUEL FINES SAMPLES	NR-NRF-703	CORROSIVE LIQUIDS WITH HEAVY METALS
21 WIPP Disposal - Contact-Handled			
22 INL waste streams:			
23 CH-ANL-142T	LEAD-CONTAMINATED WASTE	CH-ANL-505T	ALHC UPGRADE DECON DEBRIS
24 ID-AEO-100T	GENERAL PLANT WASTE	ID-AEO-101T	CUT UP GLOVEBOXES
25 ID-AEO-102T	ABSORBED LIQUIDS	ID-AEO-105T	EMPTY BOTTLES AND ABSORBENTS
26 ID-AEO-106T	SPECIAL SOURCE MATERIAL	ID-AEO-110T	RESEARCH-GENERATED WASTE COMPACTIBLE & COMB.
27			
28 ID-AEO-120T	COMPACTIBLE AND COMBUSTIBLE WASTE	ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE
29			

6-5

10/31/07

INL Site Treatment Plan

1 Table 6-1. (continued).

	Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
2	ID-ANL-162T	ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS	ID-ANL-163T	ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS.
3	ID-BCO-201T	NONCOMBUSTIBLE SOLIDS	ID-BCO-202T	COMBUSTIBLE SOLIDS
4	ID-BCO-203T	PAPER, METALS, GLASS	ID-BCO-204T	SOLIDIFIED SOLUTIONS
5	ID-BTO-010T	RAGS, GLOVES, POLY	ID-BTO-020T	NONCOMPRESSIBLE, NONCOMBUSTIBLE
6	ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.	ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.
7	ID-INL-142T	TRANSURANIC-CONTAMINATED LEAD DEBRIS	ID-INL-150T	LABORATORY WASTE
8	ID-INL-155	SCRAP	ID-INL-155T	SCRAP
9	ID-INL-157T	MISCELLANEOUS SOURCES	ID-MDO-801T	RAGS, PAPER, WOOD, ETC.
10	ID-MDO-802T	DRY BOX GLOVES AND O-RINGS	ID-MDO-803T	METAL, EQUIPMENT, PIPES, VALVES, ETC.
11	ID-MDO-805T	ASBESTOS FILTERS	ID-MDO-810T	GLASS, FLASKS, SAMPLE VIALS, ETC.
12	ID-MDO-811T	EVAPORATOR AND DISSOLVER SLUDGE	ID-MDO-813T	GLASS FILTERS AND FIBERGLASS
13	ID-MDO-814T	CONTAMINATED MERCURY OR GRAPHITE CRUCIBLE	ID-MDO-815T	CLASSIFIED PARTS
14	ID-MDO-824T	NONCOMBUSTIBLE EQUIPMENT BOXES	ID-MDO-826T	COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE
15	ID-MDO-827T	COMBUSTIBLE EQUIPMENT DRUMS	ID-MDO-834T	HIGH-LEVEL ACID
16	ID-MDO-835T	HIGH-LEVEL CAUSTICID-MDO-836T		
17	ID-MDO-838	<10 nCi/g NONCOMBUSTIBLE	ID-MDO-842T	CONTAMINATED SOIL
18	ID-MDO-847T	LOW SPECIFIC ACTIVITY (<100 nCi/g) COMB.	ID-MDO-848T	LOW SPECIFIC ACTIVITY (<100 nCi/g) NONC.
19	ID-OFS-111T	RESEARCH-GENERATED WASTE NONCOMPACTIBLE	ID-OFS-121T	DECONTAMINATION AND DECOMMISSIONING WASTE
20	ID-RFO-000T	NOT RECORDED – UNKNOWN	ID-RFO-001T	FIRST STAGE SLUDGE
21	ID-RFO-002T	SECOND STAGE SLUDGE	ID-RFO-003T	ORGANIC SETUPS, OIL SOLIDS
22	ID-RFO-004T	SPECIAL SETUPS (CEMENT)	ID-RFO-005T	EVAPORATOR SALTS
23	ID-RFO-007T	BLDG 374 DRY SLUDGE	ID-RFO-090	DIRT
24	ID-RFO-112T	SOLIDIFIED ORGANICS	ID-RFO-113T	SOLID LAB WASTE
25	ID-RFO-114T	SOLIDIFIED PROCESS SOLIDS	ID-RFO-116T	COMBUSTIBLE WASTE
26	ID-RFO-117T	METAL WASTE	ID-RFO-118T	GLASS WASTE
27	ID-RFO-119T	HEPA FILTER WASTE	ID-RFO-122T	INORGANIC SOLID WASTE
28	ID-RFO-123T	LEADED RUBBER	ID-RFO-241T	AMERICIUM PROCESS RESIDUE
29	ID-RFO-290	FILTER SLUDGE	ID-RFO-292T	CEMENTED SLUDGE
30	ID-RFO-301T	GRAPHITE CORES	ID-RFO-302T	BENELEX AND PLEXIGLASS
31	ID-RFO-312T	COARSE GRAPHITE	ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL
32	ID-RFO-328T	FULFLO INCINERATOR FILTERS	ID-RFO-330T	DRY PAPER AND RAGS
33	ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS	ID-RFO-336T	MOIST PAPER AND RAGS
34	ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC	ID-RFO-338T	INSULATION AND CHEMICAL WARFARE SERVICE
35	ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS	ID-RFO-360T	INSULATION
36	ID-RFO-371T	FIREBRICK	ID-RFO-374T	BLACKTOP, CONCRETE, DIRT, AND SAND
37	ID-RFO-375T	OIL-DRI RESIDUE FROM INCINERATOR	ID-RFO-376T	CEMENTED INSULATION AND FILTER MEDIA
38	ID-RFO-409T	MOLTEN SALTS - 30% UNPULVERIZED	ID-RFO-414T	DIRECT OXIDE REDUCTION SALT
39	ID-RFO-430T	UNLEACHED ION COLUMN RESIN	ID-RFO-431T	LEACHED RESIN
40	ID-RFO-432T	LEACHED AND CEMENTED RESIN	ID-RFO-440T	GLASS

6-9

10/3/07

INL Site Treatment Plan

1 **Table 6-1. (continued).**

	Waste Stream ID	Waste Stream Name	Waste Stream ID	Waste Stream Name
2	ID-RFO-441T	UNLEACHED RASHIG RINGS	ID-RFO-442T	LEACHED RASHIG RINGS
3	ID-RFO-460T	WASHABLES, RUBBER, PLASTICS	ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS
4	ID-RFO-464T	BENELEX AND PLEXIGLASS	ID-RFO-480T	NONSPECIAL SOURCE METAL
5	ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL	ID-RFO-490T	CHEMICAL WARFARE SERVICE FILTERS
6	ID-RFO-700T	ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM	ID-RFO-900T	LOW SPECIFIC ACTIVITY PLASTICS, PAPER, ETC.
7	ID-RFO-950T	LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.	ID-RFO-970T	WOOD
8	ID-RFO-976T	BLDG 776 PROCESS SLUDGE	ID-RFO-978T	LAUNDRY SLUDGE
9	ID-RFO-980T	FILTER SLUDGE	ID-RFO-990	DIRT
10	ID-RFO-9999T	PRE-73 DRUMS	ID-TEC-156	CHEM CELL RIP-OUT
11	ID-TEC-670T	MTRU LABORATORY ANALYTICAL WASTE	ID-TEC-699T	MIXED TRU WASTE FROM NWCF AND CSSF
12	WIPP Disposal - Remote-Handled			
13	INL waste streams:			
14	CH-ANL-218T	ELECTROREFINER SALT	CH-ANL-241T	TRU-CD-HOT CELL WASTE
15	CH-ANL-245T	ELECTROREFINER CADMIUM	CH-ANL-503T	TRU WASTE USED PRE-FILTERS
16	ID-AEO-107T	REMOTE-HANDLED WASTE	ID-ANL-160T	ANL-W HFEF ANALYTICAL CHEMISTRY AND METAL
17	ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB GLASSWARE	ID-BTO-030	SOLIDIFIED GRINDING SLUDGE, ETC.
18	ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.	ID-INL-150T	LABORATORY WASTE
19	ID-INL-157T	MISCELLANEOUS SOURCES	ID-RFO-000T	NOT RECORDED - UNKNOWN
20	ID-RFO-001T	FIRST STAGE SLUDGE	ID-RFO-002T	SECOND STAGE SLUDGE
21	ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL	ID-RFO-330T	DRY PAPER AND RAGS
22	ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS	ID-RFO-336T	MOIST PAPER AND RAGS
23	ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC	ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS
24	ID-RFO-432T	LEACHED AND CEMENTED RESIN	ID-RFO-440T	GLASS
25	ID-RFO-441T	UNLEACHED RASHIG RINGS	ID-RFO-442T	LEACHED RASHIG RINGS
26	ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS	ID-RFO-480T	NONSPECIAL SOURCE METAL
27	ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL	ID-RFO-9999T	PRE-73 DRUMS
28	ID-TAN-200T	AMERICIUM SOURCES	ID-TEC-151T	SOLIDIFIED FUEL SLUDGE
29	ID-TRA-291T	TRU HEAVY METAL SLUDGE		

6-7

INL Site Treatment Plan

1 Table 6-2. Treatment plans.

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name			
2 On-Site mixed waste treatment plans							
3 CH-ANL-111	URANIUM/CADMIUM FROM FCF EXPERIMENTS			Storage (m ³):	0.0000	5-Year (m ³):	0.5000
4		a	SCMS SCMS Prep				
5		b	CTF Commercial Macroencapsulation				
6		c	SCDF Disposal - Contact-Handled				
7							
8 CH-ANL-142	LEAD-CONTAM. SOLIDS-ANL-W OPERATIONS			Storage (m ³):	0.2407	5-Year (m ³):	0.1000
9	10	a	CTF Commercial Macroencapsulation				
10		b	SCDF Disposal - Contact-Handled				
11							
12	90	a	RWDP Remote Waste Disposition Project				
13		b	RWMC Disposal				
14 CH-ANL-142T	LEAD-CONTAMINATED WASTE			Storage (m ³):	0.6246	5-Year (m ³):	0.1000
15		a	AMWTP Private Unit				
16		b	TRANS Transport - TRUPACT				
17		c	WIPP Disposal - Contact-Handled				
18 CH-ANL-179	SODIUM (CONTAMINATED) TIN BISMUTH ALLOY			Storage (m ³):	2.2627	5-Year (m ³):	0.4000
19		a	SCMS DEACT				
20		b	RWMC Disposal - Contact-Handled				
21 CH-ANL-180	SODIUM - LLW			Storage (m ³):	80.8476	5-Year (m ³):	25.5500
22	CH	40	a SCMS DEACT				
23			b SPF Water Reaction (Na to NaOH)				
24			c RWMC Disposal - Contact-Handled				
25	RH	60	a RWDP Remote Waste Disposition Project				
26			b RWMC Disposal - Remote-Handled				
27 CH-ANL-180T	SODIUM - TRU			Storage (m ³):	14.3041	5-Year (m ³):	0.5000
28		a	RWDP Remote Waste Disposition Project				
29		b	RWMC Disposal - Remote-Handled				
30 CH-ANL-182	SODIUM POTASSIUM NaK			Storage (m ³):	2.3539	5-Year (m ³):	0.2100
31	RH	10	a RWDP Remote Waste Disposition Project				
32			b RWMC Disposal - Remote-Handled				
33	CH	90	a SCMS DEACT				
34			b SPF Water Reaction (Na to NaOH)				
35			c RWMC Disposal - Contact-Handled				
36 CH-ANL-182T	SODIUM POTASSIUM -NaK- TRU			Storage (m ³):	0.2549	5-Year (m ³):	0.0000
37		a	RWDP Remote Waste Disposition Project				
38		b	RWMC Disposal - Remote-Handled				
39 CH-ANL-218T	ELECTROREFINER SALT			Storage (m ³):	0.0000	5-Year (m ³):	10.0000
40		a	RWDP Remote Waste Disposition Project				
41		b	TRANS Transport - TRUPACT				
42		c	WIPP Disposal - Remote-Handled				
43 CH-ANL-224	CONTAMINATED HG-IBC CASK MAINTENANCE			Storage (m ³):	0.0984	5-Year (m ³):	0.1000
44		a	SCMS SCMS Prep				
45		b	CMT Commercial Mercury Treatment				
46		c	SCDF Disposal - Contact-Handled				
47 CH-ANL-241T	TRU-CD-HOT CELL WASTE			Storage (m ³):	5.2547	5-Year (m ³):	0.1000
48		a	RWDP Remote Waste Disposition Project				
49		b	TRANS Transport - TRUPACT				
50		c	WIPP Disposal - Remote-Handled				

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name			
CH-ANL-245T	ELECTROREFINER CADMIUM			Storage (m ³):	0.0000	5-Year (m ³):	0.1100
		a	RWDP	Remote Waste Disposition Project			
		b	TRANS	Transport - TRUPACT			
		c	WIPP	Disposal - Remote-Handled			
CH-ANL-503	SPENT HEPA FILTERS AND PRE-FILTERS			Storage (m ³):	0.4400	5-Year (m ³):	4.0000
		a	SCMS	SCMS Prep			
		b	CTF	Commercial Macroencapsulation			
		c	SCDF	Disposal - Contact-Handled			
CH-ANL-503T	TRU WASTE USED PRE-FILTERS			Storage (m ³):	5.8532	5-Year (m ³):	0.2200
		a	RWDP	Remote Waste Disposition Project			
		b	TRANS	Transport - TRUPACT			
		c	WIPP	Disposal - Remote-Handled			
CH-ANL-505T	ALHC UPGRADE DECON DEBRIS			Storage (m ³):	4.7195	5-Year (m ³):	0.0100
		a	AMWTP	Private Unit			
		b	TRANS	Transport - TRUPACT			
		c	WIPP	Disposal - Contact-Handled			
CH-ANL-506	SODIUM STORED IN BLDG 703 & OTHER AREAS			Storage (m ³):	3.8611	5-Year (m ³):	0.0000
		a	SCMS	Open/Melt/Drain			
		b	SPF	Water Reaction (Na to NaOH)			
		c	RWMC	Disposal - Contact-Handled			
CH-ANL-553	WCA MIXED WASTE			Storage (m ³):	23.5451	5-Year (m ³):	21.0000
		a	SCMS	SCMS Prep			
		b	CTF	Commercial Thermal Treatment			
		c	SCDF	Disposal - Contact-Handled			
CH-ANL-554	LEAD-CONTAMINATED DEBRIS			Storage (m ³):	0.6284	5-Year (m ³):	1.3000
		a	SCMS	SCMS Prep			
		b	CTF	Commercial Macroencapsulation			
		c	SCDF	Disposal - Contact-Handled			
CH-ANL-660	ANL-W MERCURY AND MERCURY DEBRIS			Storage (m ³):	0.6435	5-Year (m ³):	0.0000
	90	a	CMT	Commercial Mercury Treatment			
		b	SCDF	Disposal - Contact-Handled			
		a	RWDP	Remote Waste Disposition Project			
	10	b	RWMC	Disposal			
CH-ANL-683	LABORATORY CORROSIVE WASTE W/ METALS			Storage (m ³):	0.2082	5-Year (m ³):	1.0500
		a	TRANS	Transport - LLW			
		b	SCMS	Neutralization			
		c	SCMS	Stabilization			
		d	RWMC	Disposal - Contact-Handled			
CH-ANL-716	DEBRIS AND/OR SOLIDS W/HEAVY METALS			Storage (m ³):	0.1269	5-Year (m ³):	
				1.0500			
		a	RWDP	Remote Waste Disposition Project			
		b	RWMC	Disposal			
CH-ANL-722	LITHIUM HYDRIDE			Storage (m ³):	2.2708	5-Year (m ³):	0.0000
		a	TRANS	Transport - LLW			
		b	SCMS	DEACT			
		c	RWMC	Disposal - Contact-Handled			

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name			
CH-ANL-RPK	REPACKAGED WASTE FOR SCMS			Storage (m3)	0.0147		
		a	SCMS				
		b	SCDF	Disposal – Contact-Handled			
ID-AEO-100T	GENERAL PLANT WASTE			Storage (m ³):	.4240	5-Year (m ³):	0.0000
		a	SWEPP	Assay/Segregation			
		b	AMWTP	Private Unit			
		c	TRANS	Transport - TRUPACT			
		d	WIPP	Disposal - Contact-Handled			
ID-AEO-101T	CUT UP GLOVEBOXES			Storage (m ³):	0.0000	5-Year (m ³):	0.0000
		a	SWEPP	Assay/Segregation			
		b	AMWTP	Private Unit			
		c	TRANS	Transport - TRUPACT			
		d	WIPP	Disposal - Contact-Handled			
ID-AEO-102T	ABSORBED LIQUIDS			Storage (m ³):	22.2600	5-Year (m ³):	0.0000
		a	SWEPP	Assay/Segregation			
		b	AMWTP	Private Unit			
		c	TRANS	Transport - TRUPACT			
		d	WIPP	Disposal - Contact-Handled			
ID-AEO-105T	EMPTY BOTTLES AND ABSORBENTS			Storage (m ³):	1.4840	5-Year (m ³):	0.0000
		a	SWEPP	Assay/Segregation			
		b	AMWTP	Private Unit			
		c	TRANS	Transport - TRUPACT			
		d	WIPP	Disposal - Contact-Handled			
ID-AEO-106T	SPECIAL SOURCE MATERIAL			Storage (m ³):	0.2120	5-Year (m ³):	0.0000
		a	SWEPP	Assay/Segregation			
		b	AMWTP	Private Unit			
		c	TRANS	Transport - TRUPACT			
		d	WIPP	Disposal - Contact-Handled			
ID-AEO-107T	REMOTE-HANDLED WASTE			Storage (m ³):	24.7400	5-Year (m ³):	0.0000
		a	INTEC	659 Packaging/Repackaging			
		b	TRANS	Transport – CNS 10-160B cask			
		c	WIPP	Disposal - Remote-Handled			
ID-AEO-110T	RESEARCH-GENERATED WASTE COMPACT. & COMB.			Storage (m ³):	0.4240	5-Year (m ³):	0.0000
		a	SWEPP	Assay/Segregation			
		b	AMWTP	Private Unit			
		c	TRANS	Transport - TRUPACT			
		d	WIPP	Disposal - Contact-Handled			
ID-AEO-120T	COMPACTIBLE AND COMBUSTIBLE WASTE			Storage (m ³):	0.4240	5-Year (m ³):	0.0000
		a	SWEPP	Assay/Segregation			
		b	AMWTP	Private Unit			
		c	TRANS	Transport - TRUPACT			
		d	WIPP	Disposal - Contact-Handled			
ID-AMWTP-100	MIXED WASTE INCIDENTAL TO PROCESSING			Storage (m ³):	9.3640	5-Year (m ³):	50.0000
		a	CTF	Commercial Macroencapsulation			
		b	SCDF	Disposal - Contact-Handled			
ID-AMWTP-200	RECLASSIFIED MLLW FROM AMWTP			Storage (3)	448.4000		
		a	CTF	Commercial Macroencapsulation			
		b	SCDF	Disposal - Contact-Handled			

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-ANL-160T	ANL-W HFEF ANALYTICAL CHEMISTRY AND META			Storage (m ³): 0.2120 5-Year (m ³): 0.0000
		a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-ANL-161	ANL-W ANALYTICAL CHEMISTRY LAB			Storage (m ³): 1.0600 5-Year (m ³): 0.0000
	GLASSWARE			
RH	40.00	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
CH	60.00	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-ANL-162T	ANL-W FMF EFL Zr-U FUEL CASTING ALLOYS R			Storage (m ³): 10.5820 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-ANL-163T	ANL-W ACL COLD-LINE ABSORBED LIQUID, MIS			Storage (m ³): 1.2720 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-BCO-201T	NONCOMBUSTIBLE SOLIDS			Storage (m ³): 8.9040 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-BCO-202T	COMBUSTIBLE SOLIDS			Storage (m ³): 0.6360 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-BCO-203T	PAPER, METALS, GLASS			Storage (m ³): 5.5120 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-BCO-204T	SOLIDIFIED SOLUTIONS			Storage (m ³): 1.4840 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-BTO-010T	RAGS, GLOVES, POLY			Storage (m ³): 199.2800 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-BTO-020T	NONCOMPRESSIBLE, NONCOMBUSTIBLE			Storage (m ³): 168.3280 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-BTO-030T	SOLIDIFIED GRINDING SLUDGE, ETC.			Storage (m ³): 9.9640 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-BTO-040T	SOLID BINARY SCRAP POWDER, ETC.			Storage (m ³): 36.4640 5-Year (m ³): 0.0000
CH	57.15	a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
RH	42.85	a	RWDP	RH - Preparation/Treatment
		b	TRANS	Transport - TRUPACT
		c	WIPP	Disposal - Remote-Handled
ID-INL-142T	TRANSURANIC-CONTAMINATED LEAD DEBRIS			Storage (m ³): 0.6246 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-INL-150T	LABORATORY WASTE			Storage (m ³): 31.0930 5-Year (m ³): 0.0000
CH	83.80	a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
RH	16.20	a	RWDP	RH - Preparation/Treatment
		b	TRANS	Transport - TRUPACT
		c	WIPP	Disposal - Remote-Handled
ID-INL-155T	SCRAP			Storage (m ³): 3.6000 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-INL-157T	MISCELLANEOUS SOURCES			Storage (m ³): 3.8120 5-Year (m ³): 0.0000
RH	77.78	a	RWDP	RH - Preparation/Treatment
		b	TRANS	Transport - TRUPACT
		c	WIPP	Disposal - Remote-Handled
CH	22.22	a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled

52

INL Site Treatment Plan

1 Table 6-2. (continued).

	Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name			
2								
3	ID-INL-187	S1G SODIUM			Storage (m ³):	0.0000	5-Year (m ³):	0.0000
4			a	SCMS Neutralization				
5			b	SCMS Stabilization				
6			c	SCDF Disposal - Contact-Handled				
7	ID-INL-800	CLASS B&C WASTE			Storage (m ³):	2.7789	5-Year (m ³):	0.0000
8			a	CTF Commercial Macroencapsulation				
9			b	SCDF Disposal - Contact-Handled				
10	ID-INL-801	CLASS A WASTE			Storage (m ³):	0.0000	5-Year (m ³):	0.0000
11			a	CTF Commercial Macroencapsulation				
12			b	SCDF Disposal - Contact-Handled				
13	ID-INL-802	INTEC CLASS A WASTE			Storage (m ³):	0.0000	5-Year (m ³):	0.0000
14			a	CTF Commercial Macroencapsulation				
15			b	SCDF Disposal - Contact-Handled				
16	ID-INL-803	AEROSOL WASTE			Storage (m ³):	0.0000	5-Year (m ³):	0.0000
17			a	CTF Commercial Macroencapsulation				
18			b	SCDF Disposal - Contact-Handled				
19	ID-INL-804	TSCA WASTE			Storage (m ³):	0.3217	5-Year (m ³):	0.0000
20			a	CTF Commercial Macroencapsulation				
21			b	SCDF Disposal - Contact-Handled				
22	ID-INL-805	INTEC CLASS B & C WASTE			Storage (m ³):	1.2681	5-Year (m ³):	0.0000
23			a	CTF Commercial Macroencapsulation				
24			b	SCDF Disposal - Contact-Handled				
25	ID-MDO-801T	RAGS, PAPER, WOOD, ETC.			Storage (m ³):	7.4200	5-Year (m ³):	0.0000
26			a	SWEPP Assay/Segregation				
27			b	AMWTP Private Unit				
28			c	TRANS Transport - TRUPACT				
29			d	WIPP Disposal - Contact-Handled				
30	ID-MDO-802T	DRY BOX GLOVES AND O-RINGS			Storage (m ³):	25.6520	5-Year (m ³):	0.0000
31			a	SWEPP Assay/Segregation				
32			b	AMWTP Private Unit				
33			c	TRANS Transport - TRUPACT				
34			d	WIPP Disposal - Contact-Handled				
35	ID-MDO-803T	METAL, EQUIPMENT, PIPES, VALVES, ETC.			Storage (m ³):	38.1600	5-Year (m ³):	0.0000
36			a	SWEPP Assay/Segregation				
37			b	AMWTP Private Unit				
38			c	TRANS Transport - TRUPACT				
39			d	WIPP Disposal - Contact-Handled				
40	ID-MDO-805T	ASBESTOS FILTERS			Storage (m ³):	8.0560	5-Year (m ³):	0.0000
41			a	SWEPP Assay/Segregation				
42			b	AMWTP Private Unit				
43			c	TRANS Transport - TRUPACT				
44			d	WIPP Disposal - Contact-Handled				
45	ID-MDO-810T	GLASS, FLASKS, SAMPLE VIALS, ETC.			Storage (m ³):	2.7560	5-Year (m ³):	0.0000
46			a	SWEPP Assay/Segregation				
47			b	AMWTP Private Unit				
48			c	TRANS Transport - TRUPACT				
49			d	WIPP Disposal - Contact-Handled				

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-MDO-811T	EVAPORATOR AND DISSOLVER SLUDGE			Storage (m ³): 0.8480 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-813T	GLASS FILTERS AND FIBERGLASS			Storage (m ³): 0.6360 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-814T	CONTAMINATED MERCURY OR GRAPHITE CRUCIBLE			Storage (m ³): 0.4240 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-815T	CLASSIFIED PARTS			Storage (m ³): 0.4240 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-824T	NONCOMBUSTIBLE EQUIPMENT BOXES			Storage (m ³): 0.0000 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-826T	COMBUSTIBLE EQUIPMENT BOXES OR FLOOR SWE.			Storage (m ³): 1.0600 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-827T	COMBUSTIBLE EQUIPMENT DRUMS			Storage (m ³): 1.9080 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-834T	HIGH-LEVEL ACID			Storage (m ³): 191.0120 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-835T	HIGH-LEVEL CAUSTIC			Storage (m ³): 355.1000 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-MDO-836T	HIGH-LEVEL SLUDGE/CEMENT			Storage (m ³): 885.7360 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	

INL Site Treatment Plan

1 Table 6-2. (continued).

	Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name			
3	ID-MDO-838	<10 nCi/g NONCOMBUSTIBLE			Storage (m ³):	0.2120	5-Year (m ³):	0.0000
4			a	SWEPP Assay/Segregation				
5			b	AMWTP Private Unit				
6			c	TRANS Transport - TRUPACT				
7			d	WIPP Disposal - Contact-Handled				
8	ID-MDO-842T	CONTAMINATED SOIL			Storage (m ³):	0.0000	5-Year (m ³):	0.0000
9			a	SWEPP Assay/Segregation				
10			b	AMWTP Private Unit				
11			c	TRANS Transport - TRUPACT				
12			d	WIPP Disposal - Contact-Handled				
13	ID-MDO-847T	LOW SPECIFIC ACTIVITY (<100 nCi/g) COMB.			Storage (m ³):	157.0930	5-Year (m ³):	0.0000
14			a	SWEPP Assay/Segregation				
15			b	AMWTP Private Unit				
16			c	TRANS Transport - TRUPACT				
17			d	WIPP Disposal - Contact-Handled				
18	ID-MDO-848T	LOW SPECIFIC ACTIVITY (<100 nCi/g) NONC.			Storage (m ³):	28.4080	5-Year (m ³):	0.0000
19			a	SWEPP Assay/Segregation				
20			b	AMWTP Private Unit				
21			c	TRANS Transport - TRUPACT				
22			d	WIPP Disposal - Contact-Handled				
23	ID-OFS-111T	RESEARCH-GENERATED WASTE NONCOMPACTIBLE			Storage (m ³):	832.5240	5-Year (m ³):	0.0000
24			a	SWEPP Assay/Segregation				
25			b	AMWTP Private Unit				
26			c	TRANS Transport - TRUPACT				
27			d	WIPP Disposal - Contact-Handled				
29	ID-OFS-121T	DECONTAMINATION AND DECOMMISSIONING WASTE			Storage (m ³):	0.2120	5-Year (m ³):	0.0000
30			a	SWEPP Assay/Segregation				
31			b	AMWTP Private Unit				
32			c	TRANS Transport - TRUPACT				
33			d	WIPP Disposal - Contact-Handled				
34								
35	ID-RFO-000T	NOT RECORDED - UNKNOWN			Storage (m ³):	4024.3960	5-Year (m ³):	0.0000
36	CH	99.96	a	SWEPP Assay/Segregation				
37			b	AMWTP Private Unit				
38			c	TRANS Transport - TRUPACT				
39			d	WIPP Disposal - Contact-Handled				
40	RH	0.04	a	RWDP RH - Preparation/Treatment				
41			b	TRANS Transport - TRUPACT				
42			c	WIPP Disposal - Remote-Handled				
43	ID-RFO-001T	FIRST STAGE SLUDGE			Storage (m ³):	2567.8960	5-Year (m ³):	0.0000
44	CH	98.41	a	SWEPP Assay/Segregation				
45			b	AMWTP Private Unit				
46			c	TRANS Transport - TRUPACT				
47			d	WIPP Disposal - Contact-Handled				
48	RH	1.59	a	RWDP RH - Preparation/Treatment				
49			b	TRANS Transport - TRUPACT				
50			c	WIPP Disposal - Remote-Handled				

51

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-RFO-002T	SECOND STAGE SLUDGE			Storage (m ³): 1639.1840 5-Year (m ³): 0.0000
CH	98.40	a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
RH	1.60	a	RWDP	RH - Preparation/Treatment
		b	TRANS	Transport - TRUPACT
		c	WIPP	Disposal - Remote-Handled
ID-RFO-003T	ORGANIC SETUPS, OIL SOLIDS			Storage (m ³): 1533.1840 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-004T	SPECIAL SETUPS (CEMENT)			Storage (m ³): 327.5400 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-005T	EVAPORATOR SALTS			Storage (m ³): 11.0240 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-007T	BLDG 374 DRY SLUDGE			Storage (m ³): 923.4720 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-090	DIRT			Storage (m ³): 28.6200 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-112T	SOLIDIFIED ORGANICS			Storage (m ³): 169.1760 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-113T	SOLID LAB WASTE			Storage (m ³): 16.9600 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-114T	SOLIDIFIED PROCESS SOLIDS			Storage (m ³): 74.8360 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled

INL Site Treatment Plan

1 Table 6-2. (continued).

	Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name			
2								
3	ID-RFO-116T	COMBUSTIBLE WASTE			Storage (m ³):	0.8480	5-Year (m ³):	0.0000
4			a	SWEPP	Assay/Segregation			
5			b	AMWTP	Private Unit			
6			c	TRANS	Transport - TRUPACT			
7			d	WIPP	Disposal - Contact-Handled			
8	ID-RFO-117T	METAL WASTE			Storage (m ³):	35.1660	5-Year (m ³):	0.0000
9			a	SWEPP	Assay/Segregation			
10			b	AMWTP	Private Unit			
11			c	TRANS	Transport - TRUPACT			
12			d	WIPP	Disposal - Contact-Handled			
13	ID-RFO-118T	GLASS WASTE			Storage (m ³):	16.1171	5-Year (m ³):	0.0000
14			a	SWEPP	Assay/Segregation			
15			b	AMWTP	Private Unit			
16			c	TRANS	Transport - TRUPACT			
17			d	WIPP	Disposal - Contact-Handled			
18	ID-RFO-119T	HEPA FILTER WASTE			Storage (m ³):	65.5080	5-Year (m ³):	0.0000
19			a	SWEPP	Assay/Segregation			
20			b	AMWTP	Private Unit			
21			c	TRANS	Transport - TRUPACT			
22			d	WIPP	Disposal - Contact-Handled			
23	ID-RFO-122T	INORGANIC SOLID WASTE			Storage (m ³):	30.5280	5-Year (m ³):	0.0000
24			a	SWEPP	Assay/Segregation			
25			b	AMWTP	Private Unit			
26			c	TRANS	Transport - TRUPACT			
27			d	WIPP	Disposal - Contact-Handled			
28	ID-RFO-123T	LEADED RUBBER			Storage (m ³):	65.9320	5-Year (m ³):	0.0000
29			a	SWEPP	Assay/Segregation			
30			b	AMWTP	Private Unit			
31			c	TRANS	Transport - TRUPACT			
32			d	WIPP	Disposal - Contact-Handled			
33	ID-RFO-241T	AMERICIUM PROCESS RESIDUE			Storage (m ³):	25.2280	5-Year (m ³):	0.0000
34			a	SWEPP	Assay/Segregation			
35			b	AMWTP	Private Unit			
36			c	TRANS	Transport - TRUPACT			
37			d	WIPP	Disposal - Contact-Handled			
38	ID-RFO-290	FILTER SLUDGE			Storage (m ³):	0.2120	5-Year (m ³):	0.0000
39			a	SWEPP	Assay/Segregation			
40			b	AMWTP	Private Unit			
41			c	TRANS	Transport - TRUPACT			
42			d	WIPP	Disposal - Contact-Handled			
43	ID-RFO-292T	CEMENTED SLUDGE			Storage (m ³):	115.3280	5-Year (m ³):	0.0000
44			a	SWEPP	Assay/Segregation			
45			b	AMWTP	Private Unit			
46			c	TRANS	Transport - TRUPACT			
47			d	WIPP	Disposal - Contact-Handled			
48	ID-RFO-300T	GRAPHITE MOLDS			Storage (m ³):	410.2200	5-Year (m ³):	0.0000
49			a	SWEPP	Assay/Segregation			
50			b	AMWTP	Private Unit			
51			c	TRANS	Transport - TRUPACT			
52			d	WIPP	Disposal - Contact-Handled			

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-RFO-301T	GRAPHITE CORES			Storage (m ³): 7.6320 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-302T	BENELEX AND PLEXIGLASS			Storage (m ³): 4.6640 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-312T	COARSE GRAPHITE			Storage (m ³): 1.9080 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-320T	HEAVY NONSPECIAL SOURCE METAL			Storage (m ³): 96.8840 5-Year (m ³): 0.0000
CH	90.00	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	10.00	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-328T	FULFLO INCINERATOR FILTERS			Storage (m ³): 1.6960 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-330T	DRY PAPER AND RAGS			Storage (m ³): 1085.8640 5-Year (m ³): 0.0000
CH	99.09	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	0.91	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-335T	ABSOLUTE 8 X 8 FILTERS			Storage (m ³): 27.5360 5-Year (m ³): 0.0000
CH	95.00	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	5.00	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-336T	MOIST PAPER AND RAGS			Storage (m ³): 1584.0640 5-Year (m ³): 0.0000
CH	92.75	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	7.25	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-RFO-337T	PLASTICS, TEFLON, WASH, PVC			Storage (m ³): 488.4480 5-Year (m ³): 0.0000
CH	99.31	a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
RH	0.69	a	RWDP	RH - Preparation/Treatment
		b	TRANS	Transport - TRUPACT
		c	WIPP	Disposal - Remote-Handled
ID-RFO-338T	INSULATION AND CHEMICAL WARFARE SERVICE			Storage (m ³): 53.6360 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-339T	LEADED RUBBER GLOVES AND APRONS			Storage (m ³): 152.4280 5-Year (m ³): 0.0000
CH	92.63	a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
RH	7.37	a	RWDP	RH - Preparation/Treatment
		b	TRANS	Transport - TRUPACT
		c	WIPP	Disposal - Remote-Handled
ID-RFO-360T	INSULATION			Storage (m ³): 50.6680 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-371T	FIREBRICK			Storage (m ³): 218.7840 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-374T	BLACKTOP, CONCRETE, DIRT, AND SAND			Storage (m ³): 269.0280 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-375T	OIL-DRI RESIDUE FROM INCINERATOR			Storage (m ³): 4.0280 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-376T	CEMENTED INSULATION AND FILTER MEDIA			Storage (m ³): 532.7560 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled
ID-RFO-409T	MOLTEN SALTS - 30% UNPULVERIZED			Storage (m ³): 6.5720 5-Year (m ³): 0.0000
		a	SWEPP	Assay/Segregation
		b	AMWTP	Private Unit
		c	TRANS	Transport - TRUPACT
		d	WIPP	Disposal - Contact-Handled

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-RFO-414T	DIRECT OXIDE REDUCTION SALT			Storage (m ³): 1.0600 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-430T	UNLEACHED ION COLUMN RESIN			Storage (m ³): 6.1480 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-431T	LEACHED RESIN			Storage (m ³): 1.2720 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-432T	LEACHED AND CEMENTED RESIN			Storage (m ³): 60.4200 5-Year (m ³): 0.0000
CH	96.00	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	4.00	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-440T	GLASS			Storage (m ³): 301.8900 5-Year (m ³): 0.0000
CH	98.67	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	1.33	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-441T	UNLEACHED RASHIG RINGS			Storage (m ³): 333.6880 5-Year (m ³): 0.0000
CH	99.20	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	0.80	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-442T	LEACHED RASHIG RINGS			Storage (m ³): 261.8200 5-Year (m ³): 0.0000
CH	99.51	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	0.49	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-460T	WASHABLES, RUBBER, PLASTICS			Storage (m ³): 1.2720 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	

55

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-RFO-463T	LEADED RUBBER GLOVES AND APRONS			Storage (m ³): 11.2360 5-Year (m ³): 0.0000
CH	92.00	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	8.00	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-464T	BENELEX AND PLEXIGLASS			Storage (m ³): 9.9640 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-480T	NONSPECIAL SOURCE METAL			Storage (m ³): 541.6600 5-Year (m ³): 0.0000
CH	99.68	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	0.32	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-481T	LEACHED NONSPECIAL SOURCE METAL			Storage (m ³): 189.1040 5-Year (m ³): 0.0000
CH	98.66	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	1.34	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-RFO-490T	CHEMICAL WARFARE SERVICE FILTERS			Storage (m ³): 16.1120 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-700T	ORGANIC AND SLUDGE IMMOBILIZATION SYSTEM			Storage (m ³): 1.9080 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-900T	LOW SPECIFIC ACTIVITY PLASTICS, PAPER, ETC.			Storage (m ³): 74.2000 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-950T	LOW SPECIFIC ACTIVITY METAL, GLASS, ETC.			Storage (m ³): 23.3200 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-RFO-970T	WOOD			Storage (m ³): 4.6640 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-976T	BLDG 776 PROCESS SLUDGE			Storage (m ³): 1.4840 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-978T	LAUNDRY SLUDGE			Storage (m ³): 0.0000 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-980T	FILTER SLUDGE			Storage (m ³): 0.2120 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-RFO-9999T	PRE-73 DRUMS			Storage (m ³): 7486.1440 5-Year (m ³): 0.0000
CH	95.46	a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
RH	4.54	a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
BN510	BOX AND BIN VOLUME			Storage (m ³): 34444.7800 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	
ID-TAN-200T	AMERICIUM SOURCES			Storage (m ³): 0.2120 5-Year (m ³): 0.2120
		a	RWDP RH - Preparation/Treatment	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-TEC-151T	SOLIDIFIED FUEL SLUDGE			Storage (m ³): 0.2280 5-Year (m ³): 0.0000
		a	INTEC 659 Packaging/Repackaging	
		b	TRANS Transport - CNS 10-160B cask	
		c	WIPP Disposal - Remote-Handled	
ID-TEC-156	CHEM CELL RIP-OUT			Storage (m ³): 28.5300 5-Year (m ³): 0.0000
		a	SWEPP Assay/Segregation	
		b	AMWTP Private Unit	
		c	TRANS Transport - TRUPACT	
		d	WIPP Disposal - Contact-Handled	

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name
ID-TEC-172	HEPA FILTERS			Storage (m ³): 1.1666 5-Year (m ³): 18.6600
A		a	CPP659 Segregation	
		b	CPP659 Extraction - HEPA Filter Leach	
		c	RWMC Disposal - Remote-Handled or Contact Handled	
B		a	Commercial Treatment	
		b	SCDF Disposal Contact-Handled	
C		a	Reclassified as RH TRU	
		b	TRANS Transportation - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-TEC-173	SODIUM-BEARING WASTE			Storage (m ³): 3,092.0000 5-Year (m ³): 1,306.0000
		a	SBW Treatment Facility	
ID-TEC-174	HIGH-LEVEL WASTE CALCINE SOLIDS			Storage (m ³): 4,386.0000 5-Year (m ³): 1,241.0000
		a	Calcine Disposition Facility	
		b	TRANS Transport - HLW	
		c	NHLWR Disposal - HLW Repository	
ID-TEC-305	LLW APS HEPA FILTERS			Storage (m ³): 0.5266 5-Year (m ³): 40.2200
A		a	CPP659 Segregation	
		b	CPP659 Extraction - HEPA Filter Leach	
		c	RWMC Disposal - Remote-Handled or Contact-Handled	
B		a	Commercial Treatment	
		b	SCDF Disposal Contact-Handled	
C		a	Reclassified as RH TRU	
		b	TRANS Transportation - TRUPACT	
		c	WIPP Disposal - Remote-Handled	
ID-TEC-670T	MTRU LABORATORY ANALYTICAL WASTE			Storage (m ³): 17.9447 5-Year (m ³): 32.5000
		a	AMWTP Private Unit	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Contact-Handled	
ID-TEC-699T	MIXED TRU WASTE FROM NWCF AND CSSF			Storage (m ³): 17.3160 5-Year (m ³): 2.8000
		a	AMWTP Private Unit	
		b	TRANS Transport - TRUPACT	
		c	WIPP Disposal - Contact-Handled	
ID-TEC-720	FDP HEPA FILTERS			Storage (m ³): 6.5332 5-Year (m ³): 5.0000
A		a	CPP659 Segregation	
		b	CPP659 Extraction - HEPA Filter Leach	
		c	RWMC Disposal - Remote-Handled or Contact-Handled	
B		a	Commercial Treatment	
		b	SCDF Disposal Contact-Handled	
C		a	Reclassified as RH TRU	
		b	TRANS Transportation - TRUPACT	
		c	WIPP Disposal - Remote-Handled	

INL Site Treatment Plan

1 Table 6-2. (continued).

Media Type (if more than one)	Volume %	Step	Facility Abbr.	Unit Name		
ID-TEC-721	VOG HEPA FILTERS			Storage (m ³):	0.0000	5-Year (m ³): 5.0000
A		a	CPP659 Segregation			
		b	CPP659 Extraction - HEPA Filter Leach			
		c	RWMC Disposal - Remote-Handled or Contact-Handled			
B		a	Commercial Treatment			
		b	SCDF Disposal Contact-Handled			
C		a	Reclassified as RH TRU			
		b	TRANS Transportation - TRUPACT			
		c	WIPP Disposal - Remote-Handled			
ID-TRA-291T	TRU HEAVY METAL SLUDGE			Storage (m ³):	2.5362	5-Year (m ³): 0.0000
		a	INTEC 659 Packaging/Repackaging			
		b	TRANS Transport – CNS 10-160B cask			
		c	WIPP Disposal - Remote-Handled			
NR-NRF-665	PAINT CHIPS W/ PCB AND RCRA CONSTITUENTS			Storage (m ³):	0.0000	5-Year (m ³): 26.7000
		a	TRANS Transport - LLW			
		b	TSCA Incineration			
		c	TRANS Transport - LLW			
		d	CTF Commercial Stabilization			
		e	SCDF Disposal - Contact-Handled			
NR-NRF-673	HEAVY METAL DEBRIS			Storage (m ³):	0.0000	5-Year (m ³): 30.0000
		a	CTF Commercial Macroencapsulation			
		b	SCDF Disposal - Contact-Handled			

26