

***SUMMARY OF THE
PART A FOR HWMA/RCRA UNITS
AT THE
INEEL***

Revision Date: 8/19/2004

INTRODUCTION

This document is intended to provide an easy-to-use summary of information contained in the Hazardous Waste Management Act (HWMA)/Resource Conservation and Recovery Act (RCRA) Part A Permit Applications for the Idaho National Engineering and Environmental Laboratory (INEEL), Volumes 1 and 1a. Additionally, a summary of Part A information that is found in the unit specific HWMA/RCRA Final Partial Part B Permits for the INEEL and in the Idaho Nuclear Technology and Engineering Center (INTEC) Waste Calcining Facility (WCF) HWMA/RCRA Part B Post-Closure Permit for the INEEL has been included in this document. The information has been condensed to a single page for each interim status unit, post-closure unit, and permitted treatment, storage, and disposal (TSD) unit at the INEEL. Information on units that do not have interim status and are awaiting a HWMA/RCRA final partial Part B permit has not been included in this document. Additionally, information found in unit specific Permit Modification Requests (PMRs), that have not been approved by the Idaho Department of Environmental Quality (DEQ) is not included in this summary.

The information in this document reflects the most recently approved changes to the HWMA/RCRA Part A Permit Applications, HWMA/RCRA Post-Closure Permit, and the unit specific HWMA/RCRA final partial Part B permits for the INEEL.

The most current revision of this document may be found on the INEEL external web page @

<http://www.inel.gov/publicdocuments/>

REVISION LOG

| REVISION DATE | SUMMARY OF CHANGES |
|----------------------|---|
| 06/15/99 | Complete revision/update of this document due to numerous changes in interim status units at the Idaho National Engineering and Environmental Laboratory (INEEL) since the issuance of the June 1995 revision. |
| 01/31/00 | <p>Revised to reflect the following changes:</p> <ul style="list-style-type: none"> • Administrative closure of Multicurie Cell (MCC) container storage unit at the Idaho Nuclear Technology and Engineering Center (INTEC) - approved by the Department of Environmental Quality (DEQ) on 07/20/99 • Closure of Portable Water Treatment Unit (PWTU) at Power Burst Facility (PBF)/Test Area North (TAN) - approved by the DEQ on 07/08/99 • Closure of Waste Calcining Facility (WCF) units at the INTEC • Approval of U134 Environmental Protection Agency (EPA) Hazardous Waste Number (HWN) for the Waste Experimental Reduction Facility (WERF) Incinerator - approved by the DEQ on 12/17/99 • INTEC Tank Farm and CPP-604 Tank Farm Tanks Information clarified • Editorial changes made to reflect the January 2000 revision of the Hazardous Waste Management Act (HWMA)/Resource Conservation and Recovery Act (RCRA) Part A Permit Application for the INEEL, Volume 1, Bechtel BWXT Idaho, LLC (BBWI), Books 1 and 2. |
| 08/01/00 | <ul style="list-style-type: none"> • Document reformatted and information added/deleted to reflect Part A Permit information for all HWMA/RCRA interim status and HWMA/RCRA permitted units at the INEEL - including units located at the Argonne National Laboratory-West (ANL-W) Facility • Incorporation of DEQ's approval of a Part A Permit Change Request – Changes to the WERF Waste Stabilization System located at the Waste Reduction Operations Complex (WROC) • Incorporation of information related to newly permitted HWMA/RCRA Units (01/27/00) at the WROC and TAN: Mixed Waste Storage Facility (MWSF), MWSF-Portable Storage Units (PSUs), WERF Waste Storage Building (WWSB), WERF Sizing, WERF Macroencapsulation, and the TAN Hazardous Waste Storage (THWS) • Deletion of information related to interim status units which have undergone closure: Heat Transfer Reactor Experiment-3 (HTRE-3) - approved by DEQ on 01/31/00; Process Experimental Pilot Plant (PREPP) Incinerator and PREPP Waste Stabilization Unit - approved by DEQ on 03/7/00; WERF Waste/Storage Feed Tanks - approved by the DEQ on 05/16/00. |

REVISION LOG

| REVISION DATE | SUMMARY OF CHANGES |
|----------------------|--|
| 01/10/01 | Document revised to incorporate information that was inadvertently omitted regarding the WROC/PBF permitted units: WERF Macroencapsulation Unit, WERF Sizing Unit. |
| 03/29/01 | <p>Document revised to incorporate changes that have been approved by the DEQ since the last major revision to this document (8/1/00). Revised information includes:</p> <ul style="list-style-type: none"> • Changes to the INTEC Process Equipment Waste Evaporator (PEWE) Feed Storage and Treatment Tanks - approvals by the DEQ on 08/24/2000 and 11/09/2000. • Closure of Hazardous Chemical Waste Handling and Neutralization Facility (HCWHNF) - approved by the DEQ on 09/18/00. • WROC/PBF - WERF Incinerator Loss of Interim Status - effective date 11/02/00. • Radioactive Waste Management Complex (RWMC) - Closure of the Waste Characterization Facility (WCF) - approved by the DEQ on 09/25/00. Process Design Capacity changes for the RCRA Part B permitted units at the RWMC - approved by the DEQ on 10/23/00. • ANL-W - HWMA/RCRA Part B Partial Permit issued for the Sodium Components Maintenance Shop (SCMS). Interim status issued for the Intermediate Heat Exchanger (IHX), Secondary Sodium Purification System (SSPS). • BNFL Inc. - HWMA/RCRA Part B Permit issued for the Advanced Mixed Waste Treatment Facility [(AMWTF) - Building WMF-676] - issued 07/19/00 and the Advanced Mixed Waste Treatment Project [(AMWTP) - Building WMF-634] - issued 08/7/00. |
| 09/27/01 | <p>Document revised to incorporate editorial corrections and to incorporate changes that have been approved by the DEQ since the last revision to the Part A Summary (03/29/01). The revised information includes the following:</p> <ul style="list-style-type: none"> • INTEC - Waste Calcining Facility (WCF) Post-Closure Permit Application units [WCF Evaporator, WCF High Efficiency Particulate Air (HEPA) Filter Storage, WCF Tanks Storage] are now identified as a landfill (process code = D80). • RWMC - Transfer of operational control of RWMC interim status units [Transuranic Storage Area (TSA)-1/TSA-R, TSA-2, TSA-Retrieval Enclosure (RE) Retrieval Modification Facility (RMF)] - from Bechtel BWXT Idaho, LLC. (BBWI) to BNFL Inc. - with the effective date of 06/04/01. |

REVISION LOG

| REVISION DATE | SUMMARY OF CHANGES |
|---------------|--|
| 02/27/02 | <p>Document revised to incorporate editorial corrections and to incorporate changes that have been approved by the DEQ since the last revision to the Part A Summary (09/27/01). The revised information includes the following:</p> <ul style="list-style-type: none"> • RWMC - Closure of the Intermediate-Level Transuranic Storage Facility (ILTSF) - Pad 2. Closure of this unit was approved by the DEQ on 11/12/01. Addition of EPA HWNs D027, D030, D037, D043 and addition of T04 “other treatment” process code for the Waste Storage Facility (WSF) • WERF/WROC - Administrative closure of the Macroencapsulation Unit approved by the DEQ on 01/03/02. • AMWTP (BNFL Inc.) - Change of EPA HWNs to reflect the approved Waste Isolation Pilot Plant (WIPP) EPA HWNs and a reduction in process design capacity for WMF-634. |
| 08/20/02 | <p>Document revised to incorporate editorial corrections and to incorporate changes that have been approved by the DEQ since the last revision to the Part A Summary (02/27/01). The revised information includes the following:</p> <ul style="list-style-type: none"> • INTEC - Information revised to reflect the HWMA/RCRA Storage and Treatment Permit for the INTEC - Debris Treatment Processes, Holdup and Collection Tanks, CPP-659/-1659 Storage, CPP-666 Fluorinel Dissolution Process Cell Container Storage. (Permit stay lifted by the DEQ on 05/15/02). • RWMC - Revised the process codes and the process design capacity for the RWMC WSF. • TAN - Closure of the THWS Facility (TAN-628) - Closure of this unit was approved by the DEQ on 02/20/02 and the permit expired as of 06/01/02. • AMWTP (BNFL Inc.) - Revised the EPA HWN for the Transuranic Storage Area - Pad 1/Pad R, and RMF. Revised EPA HWNs, process design capacities, process codes and estimated annual quantity of waste for the WMF-676 (AMWTF). • ANL-W - Closure of the SSPS - Closure of this unit was received from the DEQ on 02/14/02. Revised process codes and the process design capacity for the Hot Fuel Examination Facility/Transient Reactor Test Facility (HFEF/TREAT). Revised the process design capacity, the EPA HWNs, and the facility name for the Sodium Storage Building [(SSB) previously identified as Building 703]. Revised the process design capacity for the Sodium Process Facility (SPF). |

REVISION LOG

| REVISION DATE | SUMMARY OF CHANGES |
|---------------|--|
| 02/27/2003 | <p>Document revised to incorporate editorial corrections and to incorporate changes that have been approved by the DEQ since the last revision to the Part A Summary (08/20/02). The revised information includes the following:</p> <ul style="list-style-type: none"> • Transfer of operational control of the following RWMC HWMA/RCRA Permitted Units from BBWI to BNFL Inc.: <ul style="list-style-type: none"> - Stored Waste Examination Pilot Plant [(SWEPP)(WMF-610)] - WSF (WMF-629, -630, -631, -632, -633) - Building WMF-635 • Revision of EPA HWNs, process design capacities, and estimated quantities of waste for BNFL Inc. units to reflect the current permitted status of these units at the RWMC. • Revision of process design capacity, estimated annual quantity of waste and process codes for the RWMC WMF-628 facility. • WERF – Closure of the WERF Sizing Unit. Closure of this unit was approved by the DEQ on 09/23/02. • Revision of ANL-W unit information to reflect permitted status of all units at the ANL-W and the addition of tank treatment (T01) capability for 3 ANL-W units. |
| 08/27/2003 | <ul style="list-style-type: none"> • Revision of ANL-W unit information to reflect the latest approved PMR by the DEQ (effective date of 06/16/2003). The revised information includes additional EPA HWNs for the SCMS (F001, F002, F005, and U134) and the addition of the Contaminated Equipment Storage Building (CESB) under the SPF/SCMS HWMA/RCRA Storage & Treatment Permit. |

REVISION LOG

| REVISION DATE | SUMMARY OF CHANGES |
|---------------|---|
| 02/25/2004 | <ul style="list-style-type: none"> • Revision of the Volume 18 - INTEC Permitted Unit information which includes: <ul style="list-style-type: none"> - Addition of two newly permitted container storage (S01) units: the Radioactive Mixed Waste Staging Facility [(RMWSF) CPP-1617] and the Hazardous Chemical and Radioactive Waste Storage Facility [(HCRWSF) CPP-1619] - Addition of CPP-659 Decon Cell (room 308) permitted as a new miscellaneous unit (X99) - Increase in the treatment capacity (X02) of the steam spray booth and glovebox (room 418) - Reduction in the EPA HWNs for the NWCF and FDP units to coincide with the EPA HWNs identified in the Volume 14 INTEC Liquid Waste Management System Part B Permit Application - Addition of the EPA HWN U240 for the RMWSF (CPP-1617) and the HCRWSF (CPP-1619) • Closure of WROC Permitted Units (Volume 11) and WROC Interim Status Units: WERF Incinerator, WERF Drum/Feed Blending Unit, WERF Waste Stabilization Unit, WERF Repackaging Unit – DEQ concurred that closure was completed in accordance with the approved closure plans on 9-30-2003. • Closure of TAN-647– DEQ concurred with the information presented in the clean closure certification of TAN-647 Container Storage Unit on 01-09-2004. • Issuance of WCF Post-Closure Permit (effective date: October 16, 2003). • Revision of the BNFL Inc. – AMWTP Waste Storage Facility (WSF) Permit: <ul style="list-style-type: none"> - Increase in the process design capacity for container storage (S01) through the addition of container storage at SWEPP (28,380 gallons) - Change/addition in the treatment (T04) processes – three T04 processes (in-container absorption of liquid, decanting, and neutralization) each with the capacity of 7,040 gallons/day |

REVISION LOG

| REVISION DATE | SUMMARY OF CHANGES |
|---------------|--|
| 8/19/2004 | <ul style="list-style-type: none"> • Revision of the Volume 18 - INTEC Permitted Unit information: <ul style="list-style-type: none"> - Waste Pile Storage (S03) locations in CPP-659 were changed - rooms 218 and 306 are no longer approved waste pile storage areas and room 418 (Steam Spray Booth) is now approved an waste pile storage area • Closure of the WERF/WROC Permitted and Interim Status Units <ul style="list-style-type: none"> - DEQ acknowledgement of completion of closure activities specified in the approved closure plan for the MWSF Repackaging Unit on May 10, 2004 • ANL-W Facility changes: <ul style="list-style-type: none"> - Closure of the Radioactive Sodium Storage Facility (RSSF) - Contaminated Equipment Storage Building – new container storage (S01) and container treatment (T04) unit - Revision to the process design capacities and estimated quantities of waste for the Radioactive Scrap and Waste Facility (RSWF), HFEF, SCMS, SPF, and TREAT units - Revision of the estimated quantity of waste for the SSB unit - Revision to the EPA HWNs for the SCMS and SPF units |

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UNIT: Calcined Solids Storage Facility (CSSF)
(Binsets #1 - #7)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage

PROCESS DESIGN CAPACITY: S02 - 7,114 m³ or 1,879,518.8 gallons total
 Binset # 1 = 221 m³ or 58,388.2 gallons
 Binset # 2 = 918 m³ or 232,535.6 gallons
 Binset # 3 = 1,132 m³ or 299,074.4 gallons
 Binset # 4 = 501 m³ or 132,364.2 gallons
 Binset # 5 = 1,000 m³ or 264,200 gallons
 Binset # 6 = 1,558 m³ or 411,623.6 gallons
 Binset # 7 = 1,784 m³ or 471,332.8 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: 1,200 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|---|-------------------|----------------|--|--|---|
| D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: CPP-601 WG/WH Cells Storage & Treatment Tanks
 (VES-WG-100, VES-WG-101, VES-WH-100, VES-WH-101)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage
 T01 - Tank Treatment

PROCESS DESIGN CAPACITY: **S02 - 18,000 gallons total**
 VES-WG-100 = 4,500 gallons
 VES-WG-101 = 4,500 gallons
 VES-WH-100 = 4,500 gallons
 VES-WH-101 = 4,500 gallons
T01 - 18,000 gallons/day total
 VES-WG-100 = 4,500 gallons/day
 VES-WG-101 = 4,500 gallons/day
 VES-WH-100 = 4,500 gallons/day
 VES-WH-101 = 4,500 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 5,000 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|--|-------------------|----------------|--|--|---|
| D001-D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: CPP-601 Container Storage
(D-Cell)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 - 160 gallons total
D-Cell Storage Area = 160 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: 608 kilograms

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-----------|---|------------------------------|--|--|
| D004-D043 | F001-F012 F019-F024 F026-F028 F039 | K001 K015 K069 K100 | P001-P018 P020-P024 P026-P031 P033-P034 P036-P051 P054 P056-P060 P062-P078 P081-P082 P084-P085 P087-P089 P092-P099 P101-P106 P108-P116 P118-P123 | U001-U012 U014-U039 U041-U053 U055-U064 U066-U099 U101-U103 U105-U138 U140-U174 U176-U194 U196-U197 U200-U211 U213-U223 U225-U228 U234-U239 U243-U244 U246-U249 U328 U353 U359 |

UNIT: CPP-604 Process Equipment Waste Evaporator (PEWE) Condensate Feed/Storage Tanks
(VES-WL-106, VES-WL-107, VES-WL-163)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage
T01 - Tank Treatment

PROCESS DESIGN CAPACITY: **S02 - 15,000 gallons total**
VES-WL-106 = 5,000 gallons
VES-WL-107 = 5,000 gallons
VES-WL-163 = 5,000 gallons
T01 - 15,000 gallons/day total
VES-WL-106 = 5,000 gallons/day
VES-WL-107 = 5,000 gallons/day
VES-WL-163 = 5,000 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 8,200 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|--|-------------------|----------------|--|--|---|
| D001-D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: CPP-604 PEWE Evaporators
(EVAP-WL-129, EVAP-WL-161)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: T04 - Evaporation

PROCESS DESIGN CAPACITY: T04 - 24,000 gallons/day total
 EVAP-WL-129 = 12,000 gallons/day
 EVAP-WL-161 = 12,000 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 8,400 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|--|-------------------|----------------|--|--|---|
| D001-D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: CPP-604 PEWE Feed/Storage and Treatment Tanks
 (VES-WL-101, VES-WL-102, VES-WL-111, VES-WL-132, VES-WL-133)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage
 T01 - Tank Treatment

PROCESS DESIGN CAPACITY: **S02 - 61,400 gallons total**
 VES-WL-101 = 18,400 gallons
 VES-WL-102 = 18,400 gallons
 VES-WL-111 = 1,500 gallons
 VES-WL-132 = 4,700 gallons
 VES-WL-133 = 18,400 gallons
T01 - 82,000 gallons/day total
 VES-WL-101 = 16,000 gallons/day
 VES-WL-102 = 18,400 gallons/day
 VES-WL-111 = 1,200 gallons/day
 VES-WL-132 = 28,000 gallons/day
 VES-WL-133 = 18,400 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 8,400 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|--|-------------------|----------------|--|--|---|
| D001-D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: CPP-640 Headend Holdup Storage Tanks
 [VES-HW-100, VES-HW-101, VES-HW-102 (formerly known as PP-100, PP-101, PP-102)]

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage

PROCESS DESIGN CAPACITY: S02 - 1,500 gallons total
 VES-HW-100 = 500 gallons
 VES-HW-101 = 500 gallons
 VES-HW-102 = 500 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: 0.25 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|----------|----------------|----------------|----------------|----------------|
| D002 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: CPP-641 Westside Holdup Storage Tanks
(VES-WL-103, VES-WL-104, VES-WL-105)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage

PROCESS DESIGN CAPACITY: S02 - 15,000 gallons total
 VES-WL-103 = 5,000 gallons
 VES-WL-104 = 5,000 gallons
 VES-WL-105 = 5,000 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: 120 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-----------|----------------|----------------|----------------|----------------|
| D005-D011 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: CPP-659 New Waste Calcining Facility (NWCF) Calciner
(VES-NCC-105)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: T04 - Calcination

PROCESS DESIGN CAPACITY: T04 - 5,200 gallons/day total
VES-NCC-105 = 5,200 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 9,800 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|---|-------------------|----------------|--|--|---|
| D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: CPP-659 NWCF Evaporator Tank System (ETS)
(EVAP-NCC-150)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: T04 - Evaporation

PROCESS DESIGN CAPACITY: T04 - 10,000 gallons/day
EVAP-NCC-150 = 10,000 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 8,081 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|---|-------------------|----------------|--|---|
| D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U133-U135 U007-U009 U138 U012 U140 U014 U144-U145 U019-U020 U147 U031-U032 U151 U037 U154 U044 U159 U048 U161-U162 U052 U165 U055-U057 U169-U171 U069-U072 U182 U079-U081 U188 U083-U084 U190-U191 U102-U103 U196 U108 U201 U112-U113 U204 U116 U207-U208 U118 U210-U211 U120 U215 U122-U123 U217-U220 U125 U225-U228 U127-U128 U239 U131 U328 |

UNIT: CPP-1618 Liquid Effluent Treatment and Disposal (LET&D) Fractionators
(FRAC-WLL-170, FRAC-WLK-171)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: T04 - Evaporation

PROCESS DESIGN CAPACITY: T04 - 26,400 gallons/day total
FRAC-WLL-170 = 550 gallons/hr or 13,200 gallons/day
FRAC-WLK-171 = 550 gallons/hr or 13,200 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 13,466 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|---|-------------------|----------------|--|--|---|
| D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: CPP-1618 LET&D Nitric Acid Recycle Storage Tank
(VES-NCR-171)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage

PROCESS DESIGN CAPACITY: S02 - 22,500 gallons total
VES-NCR-171 = 22,500 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: 250 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|-----------|-----------|----------------|-----------|-----------|-----------|
| D002 | F001-F003 | Not Applicable | P005 | U002-U004 | U133-U135 |
| D004-D011 | F005 | | P012 | U007-U009 | U138 |
| D018-D019 | | | P022 | U012 | U140 |
| D021-D022 | | | P024 | U014 | U144-U145 |
| D026 | | | P027-P028 | U019-U020 | U147 |
| D028 | | | P030-P031 | U031-U032 | U151 |
| D032 | | | P056 | U037 | U154 |
| D034-D036 | | | P073 | U044 | U159 |
| D038-D040 | | | P075 | U048 | U161-U162 |
| | | | P077 | U052 | U165 |
| | | | P098 | U055-U057 | U169-U171 |
| | | | P104-P106 | U069-U072 | U182 |
| | | | P113 | U079-U081 | U188 |
| | | | P116 | U083-U084 | U190-U191 |
| | | | P119-P120 | U102-U103 | U196 |
| | | | | U108 | U201 |
| | | | | U112-U113 | U204 |
| | | | U116 | U207-U208 | |
| | | | U118 | U210-U211 | |
| | | | U120 | U215 | |
| | | | U122-U123 | U217-U220 | |
| | | | U125 | U225-U228 | |
| | | | U127-U128 | U239 | |
| | | | U131 | U328 | |

UNIT: INTEC New Tank Farm (proposed)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage

PROCESS DESIGN CAPACITY: S02 - 3,500,000 gallons total

ESTIMATED ANNUAL QUANTITY OF WASTE: 4,200 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|-----------|-----------|----------------|-----------|-----------|-----------|
| D002 | F001-F003 | Not Applicable | P005 | U002-U004 | U133-U135 |
| D004-D011 | F005 | | P012 | U007-U009 | U138 |
| D018-D019 | | | P022 | U012 | U140 |
| D021-D022 | | | P024 | U014 | U144-U145 |
| D026 | | | P027-P028 | U019-U020 | U147 |
| D028 | | | P030-P031 | U031-U032 | U151 |
| D032 | | | P056 | U037 | U154 |
| D034-D036 | | | P073 | U044 | U159 |
| D038-D040 | | | P075 | U048 | U161-U162 |
| | | | P077 | U052 | U165 |
| | | | P098 | U055-U057 | U169-U171 |
| | | | P104-P106 | U069-U072 | U182 |
| | | | P113 | U079-U081 | U188 |
| | | | P116 | U083-U084 | U190-U191 |
| | | | P119-P120 | U102-U103 | U196 |
| | | | | U108 | U201 |
| | | | | U112-U113 | U204 |
| | | | | U116 | U207-U208 |
| | | | | U118 | U210-U211 |
| | | | | U120 | U215 |
| | | | U122-U123 | U217-U220 | |
| | | | U125 | U225-U228 | |
| | | | U127-U128 | U239 | |
| | | | U131 | U328 | |

UNIT: CPP-604 Tank Farm Tanks
(VES-WM-100, VES-WM-101, VES-WM-102)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage

PROCESS DESIGN CAPACITY: S02 - 55,200 gallons total
 VES-WM-100 = 18,400 gallons
 VES-WM-101 = 18,400 gallons
 VES-WM-102 = 18,400 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: 84 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|--|-------------------|----------------|--|--|---|
| D001-D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: INTEC Tank Farm

(VES-WM-103, VES-WM-104, VES-WM-105, VES-WM-106, VES-WM-180, VES-WM-181, VES-WM-182, VES-WM-183, VES-WM-184, VES-WM-185, VES-WM-186, VES-WM-187, VES-WM-188, VES-WM-189, VES-WM-190)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status (operates under Consent Order)

PROCESS CODES: S02 - Tank Storage

PROCESS DESIGN CAPACITY: S02 - 3,456,000 gallons total
 VES-WM-180 and VES-WM-181 = 318,000 gallons each
 VES-WM-182 through VES-WM-190 = 300,000 gallons each
 VES-WM-103 through VES-WM-106 = 30,000 gallons each

ESTIMATED ANNUAL QUANTITY OF WASTE: 4,116 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|--|-------------------|----------------|--|--|---|
| D001-D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007-U009 U012 U014 U019-U020 U031-U032 U037 U044 U048 U052 U055-U057 U069-U072 U079-U081 U083-U084 U102-U103 U108 U112-U113 U116 U118 U120 U122-U123 U125 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U154 U159 U161-U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: CPP-603 Storage Tank
(VES-SFE-106)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: Interim Status

PROCESS CODES: S02 - Tank Storage
T01 - Tank Treatment

PROCESS DESIGN CAPACITY: S02 - 25,000 gallons total
VES-SFE-106 = 25,000 gallons
T01 - 25,000 gallons/day total
VES-SFE-106 = 25,000 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 350 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|----------|----------------|----------------|----------------|----------------|
| D006 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: CPP-633 Waste Calcining Facility (WCF) Evaporator, WCF HEPA Filter Storage, WCF Storage Tanks

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: Post-Closure Permit - Effective Date October 16, 2003

PROCESS CODES: D80 - Landfill

PROCESS DESIGN CAPACITY: D80 - 59 cubic yards total

ESTIMATED ANNUAL QUANTITY OF WASTE: 59 cubic yards total

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|------------------------|-------------------|-----------------|-----------------|-----------------|
| D004-D005 D007-D011 | F001-F002 F005 | Not Applicable | Not Applicable | U134 |

UNIT: NWCF DEBRIS TREATMENT PROCESSES

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit – Effective Date: November 5, 2001

PROCESS CODES: T01 – Tank Treatment in CPP-659
 T04 – Container Treatment in CPP-659
 X02 – Scarification Spalling in CPP-659
 X99 – Chemical/Physical Extraction

PROCESS DESIGN CAPACITY: T01 = 8,256 gallons/day
 SH-NCD-933 = 5,688 gallons
 SH-NCD-934 = 672 gallons
 SH-NCD-921 = 1,896 gallons

T04 = 7,600 gallons/day
 VES-NCD-138 = 4,300 gallons/day
 TK-NC-136 = 1,100 gallons/day
 TK-NC-137 = 2,200 gallons/day

X02 = 30 short tons/day
 Steam Spray Booth (Room 418) = 30 short tons/day

X99 = 34,640 gallons/day
 Steam Spray Booth (Room 418) = 8,660 gallons/day
 Decon Cubicle (Room 421) = 8,660 gallons/day
 Decon Cubicle (Room 422) = 8,660 gallons/day
 Decon Cell (Room 308) = 8,660 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: T01 = 21,900 tons
 T04 = 11,680 tons
 X02 = 5,400 tons
 X99 = 13,200 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|---|-------------------|----------------|----------------|----------|
| D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | Not Applicable | U134 |

UNIT: CPP-659 NWCF High Efficiency Particulate Air (HEPA) Filter Leaching System
(VES-NCD-141, VES-NCD-142)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit - Effective Date: November 5, 2001

PROCESS CODES: T01 - Tank Treatment
S02 - Tank Storage

PROCESS DESIGN CAPACITY: T01 - 90 gallons/day total
VES-NCD-141 + VES-NCD-142 = 90 gallons/day total of HEPA Filter media that may be treated.
S02 – 190 gallons
VES-NCD-141 = 120 gallons
VES-NCD-142 = 70 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: T01 & S02 = 22 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|---|-------------------|----------------|----------------|----------|
| D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | Not Applicable | U134 |

UNIT: CPP-659 NWCF Storage

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit - Effective Date: November 5, 2001

PROCESS CODES: S01 - Container Storage
S03 - Waste Pile

PROCESS DESIGN CAPACITY: S01- 537,178 gallons total

- | | |
|---------------------------|----------------------------|
| Room 205 = 54,200 gallons | Room 323 = 3,400 gallons |
| Room 206 = 12,400 gallons | Room 326 = 1,300 gallons |
| Room 207 = 11,600 gallons | Room 415 = 23,500 gallons |
| Room 214 = 9,800 gallons | Room 416 = 5,300 gallons |
| Room 215 = 8,200 gallons | Room 417 = 78,200 gallons |
| Room 216 = 10,300 gallons | Room 418 = 166,700 gallons |
| Room 218 = 3,200 gallons | Room 419 = 26,400 gallons |
| Room 306 = 4,800 gallons | Room 421 = 10,039 gallons |
| Room 308 = 5,800 gallons | Room 422 = 10,039 gallons |
| Room 309 = 4,800 gallons | CPP-1656* = 87,200 gallons |
- *CPP-1656 = Contaminated Equipment Maintenance Area

S03 - 147 cubic meters total

- Room 216 = 39 cubic meters
- Room 308 = 22 cubic meters
- Room 309 = 18 cubic meters
- Room 323 = 13 cubic meters
- Room 326 = 5 cubic meters
- Room 416 = 20 cubic meters
- Room 418 = 30 cubic meters

ESTIMATED ANNUAL QUANTITY OF WASTE: S01 & S03 = 542 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|---|-------------------|----------------|----------------|----------|
| D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | Not Applicable | U134 |

UNIT: CPP-659 NWCF Storage and Treatment Tanks
(VES-NCD-123, VES-NCD-129)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit - Effective Date: November 5, 2001

PROCESS CODES: S02 - Tank Storage
T01 - Tank Treatment

PROCESS DESIGN CAPACITY: S02 – 4,330 gallons total T01 – 8,660 gallons/day total
 VES-NCD-123 = 3,800 gallons VES-NCD-123 = 7,600 gal/day
 VES-NCD-129 = 530 gallons VES-NCD-129 = 1,060 gal/day

ESTIMATED ANNUAL QUANTITY OF WASTE: S02 & T01 = 4,000 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|---|-------------------|----------------|----------------|----------|
| D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | Not Applicable | U134 |

UNIT: CPP-666 Fluorinel Dissolution Process (FDP) Cell Container Storage (FAST Debris Storage)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit - Effective Date: November 5, 2001

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 – 37,300 gallons total

ESTIMATED ANNUAL QUANTITY OF WASTE: 38 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|---|-------------------|----------------|----------------|----------|
| D002 D004-D011 D018-D019 D021-D022 D026 D028 D032 D034-D036 D038-D040 | F001-F003 F005 | Not Applicable | Not Applicable | U134 |

UNIT: CPP-1617 Radioactive Mixed Waste Staging Facility (RMWSF)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit – Effective Date: November 5, 2001

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 - 2,244,156 gallons total

ESTIMATED ANNUAL QUANTITY OF WASTE: 12,000 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-----------|---|------------------------------|--|--|
| D001-D043 | F001-F012 F019-F024 F026-F028 F039 | K001 K015 K069 K100 | P001-P018 P020-P024 P026-P031 P033-P034 P036-P051 P054 P056-P060 P062-P078 P081-P082 P084-P085 P087-P089 P092-P099 P101-P106 P108-P116 P118-P123 | U001-U012 U014-U039 U041-U053 U055-U064 U066-U099 U101-U103 U105-U138 U140-U174 U176-U194 U196-U197 U200-U211 U213-U223 U225-U228 U234-U239 U240 U243-U244 U246-U249 U328 U353 U359 |

UNIT: CPP-1619 Hazardous Chemical and Radioactive Waste Storage Facility (HCRWSF)

LOCATION: Idaho Nuclear Technology and Engineering Center (INTEC)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit – Effective Date: November 5, 2001

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 - 13,860 gallons total

ESTIMATED ANNUAL QUANTITY OF WASTE: 355 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-----------|---|------------------------------|--|--|
| D001-D043 | F001-F012 F019-F024 F026-F028 F039 | K001 K015 K069 K100 | P001-P018 P020-P024 P026-P031 P033-P034 P036-P051 P054 P056-P060 P062-P078 P081-P082 P084-P085 P087-P089 P092-P099 P101-P106 P108-P116 P118-P123 | U001-U012 U014-U039 U041-U053 U055-U064 U066-U099 U101-U103 U105-U138 U140-U174 U176-U194 U196-U197 U200-U211 U213-U223 U225-U228 U234-U239 U240 U243-U244 U246-U249 U328 U353 U359 |

UNIT: RWMC Waste Storage Facility - WMF-628

LOCATION: Radioactive Waste Management Complex (RWMC)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (November 12, 1995)

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 – 2,159,985 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: 23,563 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|--|---------------------------|----------------|--|--|---|
| D001-D002 D004-D011 D018-D019 D021-D30 D032 D034-D040 D043 | F001-F007 F009 F039 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U003-U004 U007 U009 U012 U014 U019-U020 U032 U037 U044 U048 U052 U069 U079-U081 U083-U084 U102-U103 U108 U116 U118 U120 U122-U123 U127-U128 U131 U133-U135 | U138 U140 U144-U145 U147 U151 U159 U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: EBR-II Secondary Sodium Drain Tank System (EBR-II SSDTS)

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (December 2002)

PROCESS CODES: S02 - Tank Storage
T01 - Tank Treatment

PROCESS DESIGN CAPACITY: S02 - 16,000 gallons total
T01 - 1.5 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 105,300 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|--------------|----------------|----------------|----------------|----------------|
| D001 D003 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: EBR-II Primary Sodium System (EBR-II PSS)

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (December 2002)

PROCESS CODES: S01 - Container Storage
 S02 - Tank Storage
 T01 - Tank Treatment

PROCESS DESIGN CAPACITY: S01 - 550 gallons total
 S02 - 90,000 gallons total
 T01 - 1.5 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 8,055 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-----------------|-----------------|-----------------|-----------------|-----------------|
| D001 D003 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: EBR-II Intermediate Heat Exchanger (IHX)

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (December 2002)

PROCESS CODES: S02 - Tank Storage
T01 - Tank Treatment

PROCESS DESIGN CAPACITY: S02 - 730 gallons total
T01 - 1.5 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 324 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|--------------|----------------|----------------|----------------|----------------|
| D001 D003 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: Contaminated Equipment Storage Building (CESB) – Building 794

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (Effective Date -)

PROCESS CODES: S01 - Container Storage
T04 - Other Treatment

PROCESS DESIGN CAPACITY: S01 - 15,000 gallons total
T04 - 440 gallons/day total

ESTIMATED ANNUAL QUANTITY OF WASTE: 2,096,424 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-----------------|----------------------|-----------------|-----------------|-----------------|
| D001-D011 | F001 F002 F005 | Not Applicable | Not Applicable | U134 |

UNIT: Hot Fuel Examination Facility(HFEF) – Building 785

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (December 1999)

PROCESS CODES: S01 - Container Storage
T04 - Container Treatment

PROCESS DESIGN CAPACITY: S01 - 10,725 gallons total
T04 - 440 gallons total

ESTIMATED ANNUAL QUANTITY OF WASTE: 1,430,000 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|------------------------|-------------------|----------------|--|---|--|
| D001-D002 D004-D043 | F001-F009 F039 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P077 P098 P104-P106 P113 P116 P119-P120 | U003-U004 U007 U009 U012 U014 U019-U020 U032 U037 U044 U048 U052 U069 U079-U081 U083-U084 U102-U103 U108 U116 U118 U120 U122-U123 U127-U128 U131 | U133-U135 U138 U140 U144-U145 U147 U151 U159 U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U208 U210-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: Radioactive Scrap and Waste Facility (RSWF) – Building 771

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (January 1994)

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S99 - 53,000 gallons total

ESTIMATED ANNUAL QUANTITY OF WASTE: 477,000 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-------------------|----------------|----------------|----------------|----------------|
| D001 D003-D011 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: Sodium Components Maintenance Shop (SCMS)

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (Effective Date - February 2001)

PROCESS CODES: S01 - Container Storage
 S02 - Tank Storage
 T01 - Tank Treatment
 T04 - Other Treatment

PROCESS DESIGN CAPACITY: S01 - 31,680 gallons total
 S02 - 390 gallons/day total
 T01 - 1,188 gallons/day total
 T04 - 440 gallons/day total

ESTIMATED ANNUAL QUANTITY OF WASTE: 1,288,375 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-----------|----------------|----------------|----------------|----------------|
| D001-D011 | Not Applicable | Not Applicable | Not Applicable | Not applicable |

UNIT: Sodium Process Facility (SPF) – Building 799

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (January 24, 1997)

PROCESS CODES: S01 - Container Storage
 S02 - Tank Storage
 T01 - Tank Treatment
 T04 - Container Treatment

PROCESS DESIGN CAPACITY: S01 - 10,560 gallons total
 S02 - 11,960 gallons/day total
 T01 - 1,080 gallons/day
 T04 - 440 gallons/day

ESTIMATED ANNUAL QUANTITY OF WASTE: 2,859,000 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-----------|----------------|----------------|----------------|----------------|
| D001-D011 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: Sodium Storage Building – Building 703

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (December 1999)

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 - 48,000 gallons total

ESTIMATED ANNUAL QUANTITY OF WASTE: 432,000 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|-------------------|----------------|----------------|----------------|----------------|
| D001 D003-D011 | Not Applicable | Not Applicable | Not Applicable | Not Applicable |

UNIT: Transient Reactor Test Facility (TREAT) – Building 720

LOCATION: Argonne National Laboratory - West (ANL-W)

WASTE TYPE: Hazardous and Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit

PROCESS CODES: S01 - Container Storage
T04 - Other Treatment

PROCESS DESIGN CAPACITY: S01 - 7,040 gallons total
T04 - 440 gallons/day total

ESTIMATED ANNUAL QUANTITY OF WASTE: 1,430,000 pounds

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED |
|------------------------|-------------------|----------------|--|---|
| D001-D002 D004-D043 | F001-F009 F039 | Not Applicable | P005 P012 P022 P024 P027-P028 P030-P031 P056 P073 P077 P098 P104-P106 P113 P116 P119-P120 | U003-U004 U133-U135 U007 U138 U009 U140 U012 U144-U145 U014 U147 U019-U020 U151 U032 U159 U037 U162 U044 U165 U048 U169-U171 U052 U182 U069 U188 U079-U081 U190-U191 U083-U084 U196 U102-U103 U201 U108 U204 U116 U207-U208 U118 U210-U211 U120 U215 U122-U123 U217-U220 U127-U128 U225-U228 U131 U239 U328 |

UNIT: Transuranic Storage Area (TSA) - Pad 1/Pad R (TSA-1/TSA-R)

LOCATION: Radioactive Waste Management Complex (RWMC)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: Interim Status (Transfer effective date - June 4, 2001)

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 - 20,237,720 gallons total

TSA-1/TSA-R = 76,600 m³ or 20,237,720 gallons

NOTE: The capacity for the TSA-1/TSA-R is incorporated in the capacity of TSA-RE RMF.

ESTIMATED ANNUAL QUANTITY OF WASTE: 83,978 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|-------------------------------------|---------------------------|----------------|--|--|--|
| D001-D002 D004-D011 D018-D043 | F001-F007 F009 F039 | Not Applicable | P005 P012 P015 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007 U009 U012 U014 U019-U020 U032 U037 U043-U044 U048 U052 U069-U070 U072 U078-U081 U083-U084 U102-U103 U105 U108 U116 U118 U120 U122-U123 U127-U128 U131 U133-U135 | U138 U140 U144-U145 U147 U151 U154 U159 U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: TSA-2 (earthen covered)

LOCATION: Radioactive Waste Management Complex (RWMC)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: Interim Status (Transfer effective date – June 4, 2001)

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 - 4,440,938 gallons total
 TSA-2 = 16,809 m³ or 4,440,938 gallons

NOTE: The capacity for TSA-2 is incorporated within the capacity of TSA-RE RMF

ESTIMATED ANNUAL QUANTITY OF WASTE: 15,955 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|-------------------------------------|---------------------------|----------------|--|--|--|
| D001-D002 D004-D011 D018-D043 | F001-F007 F009 F039 | Not Applicable | P005 P012 P015 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007 U009 U012 U014 U019-U020 U032 U037 U043-U044 U048 U052 U069-U070 U072 U078-U081 U083-U084 U102-U103 U105 U108 U116 U118 U120 U122-U123 U127-U128 U131 U133-U135 | U138 U140 U144-U145 U147 U151 U154 U159 U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: TSA-Retrieval Enclosure (RE) Retrieval Modification Facility (RMF)

LOCATION: Radioactive Waste Management Complex (RWMC)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: Interim Status (Transfer effective date – June 4, 2001)

PROCESS CODES: S01 - Container Storage

PROCESS DESIGN CAPACITY: S01 - 24,678,658 gallons total

TSA-RE RMF = 93,409m³ or 24,678,658 gallons

NOTE: This unit includes the capacities for the TSA-1/TSA-R and TSA-2 storage units.

ESTIMATED ANNUAL QUANTITY OF WASTE: 6,006 tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(S):

| D-LISTED | F-LISTED | K-LISTED | P-LISTED | U-LISTED | |
|-------------------------------------|---------------------------|----------------|--|--|--|
| D001-D002 D004-D011 D018-D043 | F001-F007 F009 F039 | Not Applicable | P005 P012 P015 P022 P024 P027-P028 P030-P031 P056 P073 P075 P077 P098 P104-P106 P113 P116 P119-P120 | U002-U004 U007 U009 U012 U014 U019-U020 U032 U037 U043-U044 U048 U052 U069-U070 U072 U078-U081 U083-U084 U102-U103 U105 U108 U116 U118 U120 U122-U123 U127-U128 U131 U133-U135 | U138 U140 U144-U145 U147 U151 U154 U159 U162 U165 U169-U171 U182 U188 U190-U191 U196 U201 U204 U207-U211 U215 U217-U220 U225-U228 U239 U328 |

UNIT: Advanced Mixed Waste Treatment Project (AMWTP) Waste Storage Facility (WSF) and SWEPP

LOCATION: Radioactive Waste Management Complex (RWMC)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (November 12, 1995)

PROCESS CODES: S01 – Container Storage
T04 – Other Treatment

PROCESS DESIGN CAPACITY:

S01 Container Storage - 19,207,669 gallons (72,706 m³) as follows:

- WMF-634 = 1,231,430 gallons (4,661 m³)
Each Type II Modules (eight total) = 2,159,985 gallons (8,176 m³)
One Type I Module) = 667,979 gallons (2,529 m³)
- SWEPP = 28,380 gallons (108 m³)

T04 In-Container Absorption of Liquid = 7,040 gallons/day (26.8 m³/day) as follows:

- WMF-634 = 3,520 gallons/day (13.4 m³/day)
- WMF-615 (DVF) = 1,760 gallons/day (6.7 m³/day)
- WMF-635 (WCRA, PAAA, or MSA) = 1,760 gallons/day (6.7 m³/day)

T04 Decanting of Liquid = 7,040 gallons/day (26.8 m³/day) as follows:

- WMF-634 = 3,520 gallons/day (13.4 m³/day)
- WMF-615 (DVF) = 1,760 gallons/day (6.7 m³/day)
- WMF-635 (WCRA, PAAA, or MSA) = 1,760 gallons/day (6.7 m³/day)

T04 Neutralization of Liquid = 7,040 gallons/day (26.8 m³/day) as follows:

- WMF-634 = 3,520 gallons/day (13.4 m³/day)
- WMF-615 (DVF) = 1,760 gallons/day (6.7 m³/day)
- WMF-635 (WCRA, PAAA, or MSA) = 1,760 gallons/day (6.7 m³/day)

ESTIMATED ANNUAL QUANTITY OF WASTE: S01 -11,708,323 tons (WSF)
S01 - 880,040 tons (SWEPP)
T04 - 10,722 tons (In-container absorption)
T04 - 10,722 tons (Decanting)
T04 - 10,722 tons (Neutralization)

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D LISTED | F LISTED | K LISTED | P LISTED | U LISTED |
|--------------------------------------|-------------------|----------------|--------------|--|
| D001-D002 D004-D011 D018-D0043 | F001-F007 F009 | Not Applicable | P015 P120 | U002 U019 U037 U043-U044 U052 U070 U072 U078-U079 U105 U122 U133-U134 U151 U154 U159 U196 U209-U210 U220 U226 U228 U239 |

UNIT: Advanced Mixed Waste Treatment Project (AMWTP) - Building WMF-676

LOCATION: Radioactive Waste Management Complex (RWMC)

WASTE TYPE: Radioactive Mixed Waste

CURRENT STATUS: RCRA Part B Permitted Unit (Effective date - August 18, 2000)

PROCESS CODES: X02 - Mechanical Processing (Pretreatment - PT), X99 - Supercompaction (SC),
 X99 - Special Case Waste (SCW) Treatment
 S01 - Container Storage

PROCESS DESIGN CAPACITY: X02 = 12,035 gal/day (PT)
 X99 = 8,300 gal/day (SC)
 X99 = 200 gal/day (SCW Treatment)
 S01 = 75,163 gallons

ESTIMATED ANNUAL QUANTITY OF WASTE: X02 and X99 - 7,021 metric tons (PT/SC)
 X99 - 6,906 metric tons (SC)
 X99 - 305 metric tons (SCW)
 S01 - 7,772 metric tons

ENVIRONMENTAL PROTECTION AGENCY (EPA) HAZARDOUS WASTE NUMBER(s):

| D LISTED | F LISTED | K LISTED | P LISTED | U LISTED |
|-------------------------------------|-------------------|----------------|--------------|--|
| D001-D002 D004-D011 D018-D043 | F001-F007 F009 | Not Applicable | P015 P120 | U002 U019 U037 U043-U044 U052 U070 U072 U078-U079 U105 U122 U133-U134 U151 U154 U159 U196 U209-U210 U220 U226 U228 U239 |