

***SUMMARY OF THE  
PART A FOR HWMA/RCRA UNITS  
AT THE  
IDAHO NATIONAL LABORATORY***

*Revision Date: March 9, 2020*

## 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 Laboratory (INL), Volumes 1 and the Advanced Mixed Waste Treatment Project (AMWTP) Interim Status Document for the TSA-1/TSA-R. Additionally, a summary of Part A information that is found in the unit specific HWMA/RCRA Final Partial Part B Permits for the INL and in the Idaho Nuclear Technology and Engineering Center (INTEC) HWMA/RCRA Part B Post-Closure Permit for the INL 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 INL. 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 INL.

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

<https://fluor-idaho.com/Community>

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"> <li>• Administrative closure of Multicurie Cell (MCC) container storage unit at the INTEC – approved by the DEQ on 07/20/99</li> <li>• Closure of Portable Water Treatment Unit (PWTU) at Power Burst Facility (PBF)/Test Area North (TAN) – approved by the DEQ on 07/08/99</li> <li>• Closure of the WCF units at the INTEC</li> <li>• 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</li> <li>• INTEC Tank Farm and CPP-604 Tank Farm Tanks Information clarified</li> <li>• Editorial changes made to reflect the January 2000 revision of the HWMA/RCRA Part A Permit Application for the INEEL, Volume 1, Bechtel BWXT Idaho, LLC (BBWI), Books 1 and 2.</li> </ul>
08/01/00	<ul style="list-style-type: none"> <li>• 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</li> <li>• 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)</li> <li>• 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)</li> <li>• 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.</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
01/10/01	Document revised to incorporate information that was inadvertently omitted regarding the WROC/Power Burst Facility (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 (08/01/00). Revised information includes:</p> <ul style="list-style-type: none"> <li>• Changes to the INTEC Process Equipment Waste (PEW) Evaporator Feed Storage and Treatment Tanks – approvals by the DEQ on 08/24/00 and 11/09/00.</li> <li>• Closure of Hazardous Chemical Waste Handling and Neutralization Facility HCWHNF – approved by the DEQ on 09/18/00.</li> <li>• WROC/PBF – WERF Incinerator Loss of Interim Status, effective date 11/02/00.</li> <li>• Radioactive Waste Management Complex RWMC – Closure of the Waste Characterization Facility (WCF) was approved by the DEQ on 09/25/00. Process Design Capacity changes for the RCRA Part B permitted units at the RWMC were approved by the DEQ on 10/23/00.</li> <li>• 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).</li> <li>• 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 08/07/00.</li> </ul>
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"> <li>• INTEC – WCF Post-Closure Permit Application units [WCF Evaporator, WCF High Efficiency Particulate Air (HEPA) Filter Storage, WCF Storage Tanks] are now identified as a landfill (process code = D80).</li> <li>• 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 BBWI to BNFL Inc., with the effective date of 06/04/01.</li> </ul>

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"> <li>• 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).</li> <li>• WERF/WROC – Administrative closure of the Macroencapsulation Unit approved by the DEQ on 01/03/02.</li> <li>• AMWTP (BNFL Inc.) – Change of EPA HWNs to reflect the approved Waste Isolation Pilot Plant EPA HWNs and a reduction in process design capacity for WMF-634.</li> </ul>
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"> <li>• 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 FluorineI Dissolution Process Cell Container Storage. (Permit stay lifted by the DEQ on 05/15/02)</li> <li>• RWMC – Revised the process codes and the process design capacity for the RWMC WSF.</li> <li>• 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.</li> <li>• 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).</li> <li>• 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).</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
02/27/03	<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"> <li>• Transfer of operational control of the following RWMC HWMA/RCRA Permitted Units from BBWI to BNFL Inc.: <ul style="list-style-type: none"> <li>- Stored Waste Examination Pilot Plant [(SWEPP)(WMF-610)]</li> <li>- WSF (WMF-629, -630, -631, -632, -633)</li> <li>- Building WMF-635</li> </ul> </li> <li>• 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.</li> <li>• Revision of process design capacity, estimated annual quantity of waste and process codes for the RWMC WMF-628 facility.</li> <li>• WERF – Closure of the WERF Sizing Unit. Closure of this unit was approved by the DEQ on 09/23/02.</li> <li>• 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.</li> </ul>
08/27/03	<ul style="list-style-type: none"> <li>• Revision of ANL-W unit information to reflect the latest approved PMR by the DEQ (effective date of 06/16/03). 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 &amp; Treatment Permit.</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
02/25/04	<ul style="list-style-type: none"> <li>• Revision of the Volume 18 - INTEC Permitted Unit information which includes:                             <ul style="list-style-type: none"> <li>- 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]</li> <li>- Addition of CPP-659 Decon Cell (Room 308) permitted as a new miscellaneous unit (X99)</li> <li>- Increase in the treatment capacity (X02) of the steam spray booth and glovebox (Room 418)</li> <li>- Reduction in the EPA HWNs for the New Waste Calcining Facility (NWCF) and Fluorinel Dissolution Process (FDP) units to coincide with the EPA HWNs identified in the Volume 14 INTEC Liquid Waste Management System Part B Permit Application</li> <li>- Addition of the EPA HWN U240 for the RMWSF (CPP-1617) and the HCRWSF (CPP-1619).</li> </ul> </li> <li>• 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 09/30/03.</li> <li>• Closure of TAN-647– DEQ concurred with the information presented in the clean closure certification of TAN-647 Container Storage Unit on 01/09/04.</li> <li>• Issuance of WCF Post-Closure Permit (effective date: 10/16/03).</li> <li>• Revision of the BNFL Inc. – AMWTP Waste Storage Facility (WSF) Permit:                             <ul style="list-style-type: none"> <li>- Increase in the process design capacity for container storage (S01) through the addition of container storage at SWEPP (28,380 gallons)</li> <li>- 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.</li> </ul> </li> </ul>

REVISION DATE	SUMMARY OF CHANGES
08/19/04	<ul style="list-style-type: none"> <li>• Revision of the Volume 18 - INTEC Permitted Unit information: <ul style="list-style-type: none"> <li>- 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 an approved waste pile storage area.</li> </ul> </li> <li>• Closure of the WERF/WROC Permitted and Interim Status Units <ul style="list-style-type: none"> <li>- DEQ acknowledgement of completion of closure activities specified in the approved closure plan for the MWSF Repackaging Unit on May 10, 2004.</li> </ul> </li> <li>• ANL-W Facility changes: <ul style="list-style-type: none"> <li>- Closure of the Radioactive Sodium Storage Facility (RSSF)</li> <li>- CESB – new container storage (S01) and container treatment (T04) unit</li> <li>- 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</li> <li>- Revision of the estimated quantity of waste for the SSB unit</li> <li>- Revision to the EPA HWNs for the SCMS and SPF units.</li> </ul> </li> </ul>
02/15/05	<ul style="list-style-type: none"> <li>• INEEL name changed to the INL – effective 02/01/05.</li> <li>• ANL-W facility name changed to the Materials and Fuels Complex (MFC) – effective February 1, 2005 [Change in facility contractor from ANL-W to Battelle Energy Alliance (BEA) – effective as of 02/01/05].</li> <li>• INTEC CPP-601 Container Storage (D-Cell) Closure – DEQ approval letter dated 01/05/05.</li> <li>• INTEC CPP-659 NWCF Calciner Closure – DEQ approval letter dated 12/14/04.</li> <li>• Volume 14 Permit – HWMA/RCRA Storage and Treatment Units at the INTEC (Effective Date: 10/18/04).</li> <li>• Volume 18 Permit – Additional Waste Pile Storage Locations (for NWCF Calciner equipment) – DEQ approved Class 3 PMR on 12/14/2004.</li> <li>• Volume 5 Permit – RWMC transfer of WMF-610 (SWEPP) from BNFL to BBWI – DEQ approval letter dated 11/12/04.</li> <li>• Materials and Fuels Complex (MFC) – Revision of HWMA/RCRA Storage and Treatment Permit (Effective Date: 08/16/04) for the CESB, HFEF, SCMS, SPF, SSB, and the TREAT.</li> <li>• AMWTP HWMA/RCRA Treatment Permit (WMF-676) – Incorporation of revised treatment information through DEQ approval letter dated 09/22/04.</li> </ul>



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08/17/05	<ul style="list-style-type: none"> <li>• Change in INL Operating Contractors – as follows:               <ul style="list-style-type: none"> <li>- BBWI interim status and permitted facilities are now operated by CH2M-WG Idaho, LLC. (CWI) – with an effective date of 05/01/05</li> <li>- BNFL Inc., interim status and permitted facilities are now operated by BBWI – with an effective date of 05/01/05</li> </ul> </li> <li>• INTEC – Closure of CPP-1619 Permitted Storage Facility</li> <li>• RWMC – Transfer of Operational Control of RWMC Permitted Storage Facilities WMF-628 and WMF-610 to BBWI</li> </ul>
02/17/06	<ul style="list-style-type: none"> <li>• INTEC – ETS Permitted Units – effective as of 01/23/06               <ul style="list-style-type: none"> <li>- CPP-659 Blend/Hold Tanks (S02, T01)</li> <li>- CPP-659 Fluoride Hot Sump Tank (S02, T01)</li> <li>- CPP-659 Non-Fluoride Hot Sump Tank (S02, T01)</li> <li>- CPP-659 Evaporator Unit (S02, X99)</li> <li>- CPP-659 Process Off-Gas Condensate System (S02, T01)</li> <li>- CPP-659 Constant Head Feed Tank (S02)</li> </ul> </li> <li>• INTEC – CPP-641 West Side Waste Holdup Tanks – added D002 EPA HWN and increased EAQ from 120 to 5,000 tons</li> <li>• MFC – Combined EBR-II Complex information</li> <li>• AMWTP – Combined WSF and WMF-628 information and revised WMF-610 information</li> </ul>
08/11/06	<ul style="list-style-type: none"> <li>• INTEC – New Units, as follows: Container Storage (S02), Container Treatment (T04), Sizing/Repackaging/Compaction Treatment (T04), and Absorbent Addition (T04) Treatment – effective as of 04/10/06               <ul style="list-style-type: none"> <li>- Container Storage in CPP-659 Room 428</li> <li>- Container Treatment in CPP-659 in portable treatment container TK-NCD-139</li> <li>- Sizing/Repackaging/Compaction in CPP-659 Rooms 216, 306, 308, 309, 323, 418, 421, 422, and 428</li> <li>- Absorbent Addition in CPP-659 Rooms 308 and 309</li> </ul> </li> <li>• AMWTP – Addition of EPA HWNs for the WSF and the SWEPP Storage Area (WMF-610)               <ul style="list-style-type: none"> <li>- New EPA HWNs: P077, U118, U128, U131, U135, U138, U140, U144, U145, and U147</li> </ul> </li> </ul>

REVISION DATE	SUMMARY OF CHANGES
02/22/07	<ul style="list-style-type: none"> <li>• INTEC – Calcined Solids Storage Facility – HWMA/RCRA Permitted for Storage, with a Permit Effective Date of 11/9/06.</li> <li>• INTEC – Removal of the proposed INTEC New Tank Farm from interim status – final administrative disposition of the unit was approved by the DEQ on 10/25/06.</li> <li>• AMWTP – WSF and SWEPP <ul style="list-style-type: none"> <li>- Addition of new EPA HWN P099 for the WSF and the SWEPP Storage Area</li> <li>- New storage capacity (S01) for the SWEPP = 28,380 gallons</li> <li>- New estimated annual quantity of waste for the SWEPP = 880,040 tons</li> </ul> </li> <li>• AMWTP – Building WMF-676 <ul style="list-style-type: none"> <li>- Revised process design capacities for treatment units [X02 =13,431 gallons/day (PT) and X99 = 10,312 gallons/day (SC)]</li> <li>- Revised process design capacity for storage units [S01 = 90,718 gallons]</li> <li>- Revised estimated annual quantity of waste for treatment units [X02 = 20,456 tons (PT), X99 = 15,705 tons (SC), T04 = 6,700 tons each for Absorption, Decanting, and Neutralization)</li> <li>- Revised estimated annual quantity of waste for storage units [S01 = 138,165 tons]</li> <li>- Addition of new EPA HWNs: F039, P005, P012, P022, P024, P027, P028, P030, P031, P056, P073, P075, P077, P098, P099, P104-P106, P113, P116, P119, U003, U004, U007 U009, U012, U014, U020, U032, U048, U069, U080, U081, U083, U084,U102, U103, U108, U116, U118, U120, U123, U127, U128, U131, U135, U138, U140, U144, U145, U147, U162, U165, U169-U171, U182, U188, U190, U191, U201, U204, U207, U208, U211, U215, U217-U219, U225, U227, U328.</li> </ul> </li> </ul>
8/22/07	<ul style="list-style-type: none"> <li>• INTEC – Integrated Waste Treatment Unit (IWTU) HWMA/RCRA Permitted for Storage and Treatment with DEQ approval of a Class 3 Permit Modification Request (PMR) on 04/22/07. <ul style="list-style-type: none"> <li>- Storage Units (S02) = 150,570 gallons</li> <li>- Tank Storage Units (S02) = 15,000 gallons</li> <li>- Tank Treatment Unit (T01) = 5,040 gallons/day</li> <li>- Steam Reforming Unit (X99 – Other Treatment) = 210 gallons/hour</li> </ul> </li> <li>• AMWTP – Building WMF-610 (SWEPP Storage Area) and AMWTP Waste Storage Facility <ul style="list-style-type: none"> <li>- Addition of a new T04 Treatment Method = Mechanical Vibration with DEQ approval of a Class 1* PMR on 07/26/07.</li> </ul> </li> </ul>
02/25/08	<ul style="list-style-type: none"> <li>• AMWTP – Waste Storage Facility (includes WMF-628) and the SWEPP Storage Area (WMF-610) <ul style="list-style-type: none"> <li>- Addition of a new T04 Treatment Method = Macroencapsulation of waste for both the Waste Storage Facility and the SWEPP Storage Area</li> </ul> </li> </ul>

REVISION DATE	SUMMARY OF CHANGES
08/25/08	<ul style="list-style-type: none"> <li>• INTEC CPP-640 Headend Storage Tank System – DEQ approved closure certification on 06/12/08</li> <li>• AMWTP Partial Permit – Issued with an Effective Date of 06/04/08 <ul style="list-style-type: none"> <li>- Revised treatment and storage capacities for the HWMA/RCRA units at the AMWTP based on the June 4, 2008 HWMA/RCRA Partial Permit for the AMWTP</li> </ul> </li> </ul>
02/23/09	<ul style="list-style-type: none"> <li>• INTEC CPP-1696 (IWTU) <ul style="list-style-type: none"> <li>- Increased container storage (S01) capacity for the vault storage area to 175,000 gallons</li> <li>- Revised tank identification from COL-SRC-190 and -191 to VES-SRC-190 and -191</li> <li>- Removed storage tank (S02) COL-SRC-192 from list of tanks approved for storage at the IWTU</li> <li>- Added storage tanks (S02) as follows: CPP-1696 Offgas Condensate Collection Tank (TK-SRH-141) = 80 gallons; Sample Collection Tank (VES-SRC-172) = 3 gallons</li> </ul> </li> <li>• MFC TREAT Facility removed – DEQ approved TREAT facility closure on 10/02/08.</li> </ul>
09/01/09	<ul style="list-style-type: none"> <li>• INTEC Closure of interim status unit VES-SFE-106. DEQ approved closure certification on 05/12/09</li> <li>• INTEC Volume 14 HWMA/RCRA Storage and Treatment Permit: <ul style="list-style-type: none"> <li>- Closure of CPP-641 Westside Waste Holdup Tanks. DEQ approved closure certification on 04/17/09.</li> </ul> </li> <li>• INTEC Volume 18 HWMA/RCRA Storage and Treatment Permit: <ul style="list-style-type: none"> <li>- Revised Permit Effective Date: 04/27/09</li> <li>- Addition of Tank Storage (S02) for CPP-666 Slab Tank (VES-FC-184)</li> <li>- Addition of Other Treatment (T04) at CPP-666 (compaction, sizing, repackaging)</li> <li>- Addition of EPA Hazardous Waste Numbers D029, F006, F007, and F009 to the following permitted units: NWCF Container Storage (S01) and Waste Pile Storage (S03) units; CPP-659 Other Miscellaneous Treatment (T04) units (compaction, sizing, repackaging, absorbent addition); and CPP-666 Container Storage (S01), Tank Storage (S02), and Other Miscellaneous Treatment units (T04)</li> </ul> </li> </ul>

REVISION DATE	SUMMARY OF CHANGES
09/01/09 (continued)	<ul style="list-style-type: none"> <li>• MFC – EBR-II HWMA/RCRA Permit <ul style="list-style-type: none"> <li>- Change in Operational Control from BEA to CWI – Effective Date of 08/31/09</li> <li>- Addition of container storage units (S01) – Buildings 793E and 793F added to the EBR-II HWMA/RCRA Permit with CWI being the operator of these units</li> </ul> </li> <li>• AMWTP <ul style="list-style-type: none"> <li>- TSA Pad 1/Pad R – Addition of EPA Hazardous Waste Number P099 and increase of estimated annual quantity of waste = 573,393 tons</li> <li>- TSA-2 and TSA-RE RMF – removed from interim status</li> <li>- WSF increase of treatment capacity (T04) = 33,000 gallons/day and increase of estimated annual quantity of waste for treatment (T04) = 50,252 tons for absorption, decanting, neutralization, repackaging, physical sizing, and mechanical vibration</li> <li>- WMF-676 increase of estimated annual quantity of waste for treatment (T04) = 20,117 tons for absorption, decanting, neutralization, repackaging, physical sizing, and mechanical vibration</li> <li>- SWEPP Storage Area increase of treatment capacity (T04) = 33,000 gallons/day and increase of estimated annual quantity of waste for treatment (T04) = 50,252 tons for absorption, decanting, neutralization, repackaging, physical sizing, and mechanical vibration</li> <li>- Addition of two HWMA/RCRA Permitted units: <ul style="list-style-type: none"> <li>- WMF-636 Pad 2 Container Storage Unit (S01) = 6,350,140 gallons and estimated annual quantity of waste = 1,025,285 tons</li> <li>- AMWTP Outside Storage Area (S01) = 404,995 gallons and estimated annual quantity of waste = 551,150 tons</li> </ul> </li> </ul> </li> </ul>
02/22/10	<ul style="list-style-type: none"> <li>• MFC – EBR-II HWMA/RCRA Permit (PER-120) <ul style="list-style-type: none"> <li>- Removal of container storage units (S01) – Buildings 793E and 793F. DEQ acknowledged completion of closure activities for these units on 10/30/10</li> </ul> </li> <li>• AMWTP – Removed designated contractor name (BBWI) from all AMWTP units.</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
08/24/10	<ul style="list-style-type: none"> <li>• Volume 1 Part A Permit Application – INTEC HWMA/RCRA Interim Status Units <ul style="list-style-type: none"> <li>- Tank Farm Facility (TFF) Tanks – 11 TFF tanks (VES-WM-103 through VES-WM-106 and VES-WM-180 through VES-WM-186) received closure approval from DEQ (10/05/09) and therefore are no longer regulated as interim status units consequently the information pertaining to these tanks has been removed from the document.</li> </ul> </li> <li>• Volume 18 – INTEC HWMA/RCRA Storage and Treatment Permit <ul style="list-style-type: none"> <li>- Increase of the container storage capacity (S01) in Building CPP-666 to allow for container storage in rooms 301, 114C, 115, 180, B-4, and B-5.</li> <li>- Increase the miscellaneous treatment capacity (T04) to allow for absorbent addition in CPP-666 FDP Cell @ 520 gallons/day.</li> </ul> </li> <li>• MFC – EBR-II HWMA/RCRA Permit (PER-120) <ul style="list-style-type: none"> <li>- Increase of the tank treatment (T01) capacity to 785 gallons/day (per unit) for the Secondary Sodium Drain Tank (SSDT) System, Primary Sodium Tank System (PSS), and the Intermediate Heat Exchanger (IHX).</li> <li>- Increase of the estimated annual quantity of waste treated in the PSS to 13,500 pounds/year.</li> <li>- SSDT – Allow for the storage and treatment of corrosive waste (D002) and increase of the treatment capacity to 2,700 pounds/year.</li> </ul> </li> <li>• MFC – Consolidated HWMA/RCRA Permit (PER-116) <ul style="list-style-type: none"> <li>• Decrease of the process design capacity for the Contaminated Equipment Storage Building (CESB) from 15,000 gallons to 12,000 gallons.</li> <li>• Decrease of the process design capacity for the Sodium Process Facility (SPF) from 10,560 gallons to 9,386 gallons.</li> </ul> </li> </ul>

REVISION DATE	SUMMARY OF CHANGES
02/24/11	<ul style="list-style-type: none"> <li>• MFC – EBR-II HWMA/RCRA Permit (PER-120) <ul style="list-style-type: none"> <li>- Storage and treatment of chromium (D007) waste in the SSdT System</li> <li>- Storage and treatment of corrosive (D002) and chromium (D007) waste in the PSS</li> <li>- Storage and treatment of corrosive (D002) and chromium wastes in the IHX</li> <li>- Update the estimated annual quantity of waste for the permitted units</li> </ul> </li> </ul>
08/25/11	<ul style="list-style-type: none"> <li>• INTEC –Volume 14 HWMA/RCRA Storage and Treatment Permit for the INTEC Liquid Waste Management System (ILWMS) – Approved by DEQ on 04/11/11 <ul style="list-style-type: none"> <li>- Decrease in the number of tank storage (S02) units and decrease in volume of tank storage for the CPP-601 Deep Tank System (VES-WG-100, -101 and VES-WH-100, -101) – DEQ approved closure of this tank system and the CPP-602 laboratory drain lines on 12/22/10.</li> </ul> </li> <li>• INTEC – Volume 21 HWMA/RCRA INTEC Post-Closure Permit – Revision Approved with changes by the DEQ – with an effective date of 08/25/11 <ul style="list-style-type: none"> <li>- Addition of the CPP-601/627/640 Unit to the Post-Closure Permit</li> </ul> </li> <li>• BEA – no changes in information for BEA permitted units, per the BEA point of contact</li> <li>• BBWI at the AMWTP – Changes in the interim status and permitted units as follows: <ul style="list-style-type: none"> <li>- TSA Interim Status Units – Other Treatment (T04 Process Code) was added to include Liquid Absorption, Liquid Neutralization, Liquid Decanting, Physical Sizing, and Repackaging) with an effective date of change - 03/21/11.</li> <li>- Permitted Units – Macroencapsulation (T04 Process Code) is now permitted in the WSF, SWEPP, WMF-636 Pad 2, and the AMWTP Outside Storage Area with an effective date of change - 06/16/11</li> </ul> </li> </ul>
02/23/12	<ul style="list-style-type: none"> <li>• CWI/BEA – transfer of operational control of the Sodium Process Facility (SPF) HWMA/RCRA units from BEA to CWI, Effective Date: 02/01/12.</li> <li>• AMWTP – Contractor Change from BBWI to the Idaho Treatment Group (ITG) – Effective Date: 10/01/11</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
08/22/12	<ul style="list-style-type: none"> <li>• CWI – Volume 18 HWMA/RCRA Storage and Treatment Permit for the INTEC – Class 1* PMR approved by DEQ on 05/25/12               <ul style="list-style-type: none"> <li>- Administrative closure of Portable Soak Tank (T04 – Container Treatment), TK-NCD-136</li> </ul> </li> <li>• BEA – no changes in information for BEA permitted units, per the BEA point of contact</li> <li>• ITG – no changes in information for ITG interim status and permitted units, per the ITG point of contact.</li> </ul>
02/20/13	<ul style="list-style-type: none"> <li>- CWI – Volume 18 HWMA/RCRA Storage and Treatment Permit for the INTEC and the Accelerated Retrieval Project (ARP) on the INL – Class 2 PMR approved by the DEQ in October 2012.               <ul style="list-style-type: none"> <li>- Allows for the Storage and Treatment of Waste at the ARP, located at the RWMC</li> </ul> </li> <li>• CWI – PER-140 HWMA/RCRA Storage and Treatment Permit for the Sodium Processing Facility (SPF) and Secondary Sodium System (SSS) located at the MFC on the INL – Class 2 PMR/NOD approved by the DEQ on 12/05/12.               <ul style="list-style-type: none"> <li>- SSS piping and components storage and treatment unit was transferred from PER-120 to PER-140 because closure activities of the SSS will extend beyond the Permit Expiration Date of PER-120.</li> </ul> </li> <li>• CWI – PER-120 HWMA/RCRA Storage and Treatment Permit for the EBR-II, Expiration Date – 12/02/12.</li> <li>• BEA – Name change for the Contaminated Equipment Storage Building (CESB) unit to the Experimental Fuels Facility (EFF). This change was approved by the DEQ on 09/17/12.</li> <li>• ITG – Editorial change only.</li> </ul>
08/20/13	<ul style="list-style-type: none"> <li>• CWI – Volume 18 HWMA/RCRA Storage and Treatment Permit for the INTEC and the ARP on the INL – Class 1* PMR/NOD approved with additional changes by the DEQ on 08/12/13.               <ul style="list-style-type: none"> <li>- Sodium Distillation System storage (S01, S02) and treatment (T04) units added for CPP-666</li> <li>- Macroencapsulation Treatment (T04) Units added for CPP-1617 RMWSF</li> </ul> </li> <li>• CWI – PER-140 HWMA/RCRA Storage and Treatment Permit for the SPF and SSS located at the MFC on the INL – Class 1* PMR approved by the DEQ on 06/04/13.               <ul style="list-style-type: none"> <li>- No changes to the Part A - however information has been updated to provide clarification.</li> </ul> </li> <li>• BEA – Editorial corrections made.</li> <li>• ITG – No changes.</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
02/19/14	<ul style="list-style-type: none"> <li>• CWI – Volume 18 HWMA/RCRA Storage and Treatment Permit for the INTEC and the ARP on the INL – Class 1* PMR approved by DEQ on 12/10/13               <ul style="list-style-type: none"> <li>- Additional EPA Hazardous Waste Numbers (D027, D030, D033, D037, D042, D043, and F004) added to container storage and treatment units located within CPP-659/1659 Rooms 218, 306, 308, 418, 428 and CPP-1659.</li> </ul> </li> <li>- CWI – Volume 18 HWMA/RCRA Storage and Treatment Permit for the INTEC and the ARP on the INL – Class 2 PMR approved by the DEQ on 01/22/14               <ul style="list-style-type: none"> <li>- Changes to container storage (S01) capacities at the ARP</li> <li>- Increase in capacity of the drum packaging stations (X99) at the ARP</li> <li>- Decrease to the sorting table treatment (X99) capacity</li> <li>- Addition of Miscellaneous Unit Storage (X99) at the ARP</li> </ul> </li> <li>- CWI – Volume 14 HWMA/RCRA Storage and Treatment Permit for the ILWMS on the INL – Class 2* PMR/RTA approved by the DEQ on 10/10/13               <ul style="list-style-type: none"> <li>- Addition of Waste Pile Storage at the IWTU (CPP-1696) Room 112 and Room 113</li> </ul> </li> <li>• CWI – typographical errors corrected and informational changes made</li> <li>• MFC – typographical errors corrected and informational changes made</li> <li>• ITG – editorial corrections made to the TSA interim status unit</li> </ul>
08/14/14	<ul style="list-style-type: none"> <li>• CWI – Volume 21 Post-Closure Permit Reapplication approved by the DEQ with an Effective Date of 03/14/14</li> <li>• CWI – MFC Permit Reapplication/Class 2 PMR to the Volume 18 Permit approved by the DEQ on 08/4/14               <ul style="list-style-type: none"> <li>- Secondary Sodium System (SSS) Components removed from PER-140 and moved to the Volume 18 Permit (PER-109). PER-140 was allowed to expire on 08/16/14</li> </ul> </li> <li>• CWI – Class 2 PMR/RTA for the Volume 18 Permit for the Sodium Distillation System (SDS) approved by the DEQ on 07/21/14               <ul style="list-style-type: none"> <li>• Operational changes made to the SDS</li> <li>• Increase of container storage (S01) capacity and tank storage (S02) capacity for VES-FC-186. Removal of distillation treatment (T04) for VES-FC-186</li> </ul> </li> <li>• CWI – MFC Sodium Process Facility (SPF) Closure approval was received from DEQ on 03/7/14</li> <li>• BEA – no changes necessary</li> <li>• ITG – no changes necessary</li> </ul>



REVISION DATE	SUMMARY OF CHANGES
02/18/15	<ul style="list-style-type: none"> <li>• CWI – Volume 14 Permit Reapplication for the INTEC Liquid Waste Management System was approved by the DEQ with an Effective Date of 11/20/14</li> <li>• CWI – Editorial Clarifications and typographical corrections completed as necessary</li> <li>• BEA – no changes necessary</li> <li>• ITG – no changes necessary</li> </ul>
08/13/15	<ul style="list-style-type: none"> <li>• CWI – Class 1* PMR for the Volume 18 Permit for treatment and storage changes necessary for continued waste management operations at INTEC facilities CPP-666, CPP-659, and CPP-1617, approved by the DEQ on 03/10/15 <ul style="list-style-type: none"> <li>• Expansion of sizing capabilities (T04) outside of the ARS in CPP-666 FDP Cell</li> <li>• Addition of sodium deactivation treatment (T04) in CPP-659 Room 308</li> <li>• Elimination of aisle space requirement in CPP-659 Rooms 308 and 309</li> <li>• Storage configuration changes at CPP-1617</li> <li>• Typographical and administrative/informational changes</li> </ul> </li> <li>• CWI – Class 1* PMR for the Volume 18 Permit to incorporate changes to the CPP-666 SDS, approved by the DEQ on 05/19/15 <ul style="list-style-type: none"> <li>- Replacement of existing SDS condenser and collection vessel with a new condenser/collection vessel assembly (S02, T01) and removal of the transfer vessel from the SDS</li> <li>- Typographical and administrative/informational changes</li> </ul> </li> <li>• CWI – Class 1* PMR for the Volume 18 Permit to address changes for the processing of waste in boxes at the WMF-1617 Sludge Repackaging Project (SRP) at the RWMC, approved by the DEQ on 07/02/15 <ul style="list-style-type: none"> <li>- Addition of drummed sludge in waste boxes</li> <li>- Increased container storage capacities in the outside storage areas</li> <li>- Changed storage configuration at WMF-698</li> <li>- Typographical and administrative/informational changes</li> </ul> </li> <li>• BEA – no changes necessary</li> <li>• ITG – no changes necessary</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
04/27/16	<ul style="list-style-type: none"> <li>• CWI – Class 1* PMR for the Volume 18 Permit to address the following changes at the RWMC and at the INTEC: <ul style="list-style-type: none"> <li>• Processing of waste in boxes at the WMF-1619</li> <li>• Treatment of additional sludge waste streams at the WMF-1617</li> <li>• Addition of two additional outside storage areas one near WMF-1621 and one near WMF-1617</li> <li>• Addition of macroencapsulation treatment at CPP-659 Room 428</li> <li>• Addition of absorption treatment in CPP-659 Room 418</li> <li>• EPA Hazardous Waste Number revisions to the Part A for additional sludge waste streams at RWMC</li> <li>• EPA Hazardous Waste Number revisions to the Part A for CPP-659 units to ensure consistency for treatment/storage areas</li> </ul> </li> <li>• CWI – MFC Secondary Sodium System Components – DEQ approved unit closure on 03/04/16</li> <li>• BEA – no changes necessary</li> <li>• ITG – no changes necessary</li> </ul>
08/23/16	<ul style="list-style-type: none"> <li>• Class 1*PMR for the Volume 18 HWMA/RCRA Permit to address the following changes at the RWMC and at the INTEC: <ul style="list-style-type: none"> <li>- Addition of EPA hazardous waste numbers at RWMC treatment and storage units for operational waste processing needs</li> <li>- Increase container storage capacity at the WMF-1619 outside storage area to allow for one additional trailer and one cargo container</li> <li>- Change in materials of construction for the WMF-1619 Retrieval Area decontamination tent</li> <li>- Revision of terminology for macroencapsulation treatment units at INTEC CPP-1617 and CPP-659 Room 428</li> <li>- Other administrative/informational changes</li> </ul> </li> <li>• Class 1* PMR to change contractors from CWI and ITG to Fluor Idaho, LLC with an effective date of 06/01/16.</li> <li>• BEA – MFC Class 1* PMR for the MFC HWMA/RCRA Permit approved by DEQ on 07/01/16. This PMR included: <ul style="list-style-type: none"> <li>- Installation of a containment enclosure tent in MFC-793C for container storage, verification, repackaging and container treatment.</li> <li>- Removed the Experimental Fuels Facility (EFF, MFC-794) from the MFC HWMA/RCRA Permit. The EFF was closed in accordance with the approved closure certification report and DEQ approved completion of closure activities on 04/21/16.</li> <li>- Addition of EPA hazardous waste numbers to container storage areas.</li> </ul> </li> </ul>
02/15/17	<ul style="list-style-type: none"> <li>• Minor editing/administrative update of document. No Part A changes for either BEA or Fluor Idaho.</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
08/17/17	<ul style="list-style-type: none"> <li>● Fluor Idaho - Two separate Class 1*PMRs for the Volume 18 HWMA/RCRA Storage and Treatment Permit to address the following changes at the INTEC and RWMC: <ul style="list-style-type: none"> <li>● Addition of EPA hazardous waste numbers (HWNs) at INTEC treatment and storage units to provide consistency between all units and to allow for the storage legacy waste streams in waste piles</li> <li>- Addition of the CPP-2725 tent for use as a container storage and macroencapsulation treatment unit</li> <li>- Addition of EPA hazardous waste numbers at RWMC treatment and storage units to provide for operational waste processing needs</li> <li>- Increase container storage capacity at the WMF-1619 facility</li> <li>- Revision of terminology for macroencapsulation treatment units at INTEC CPP-1617 and CPP-659 Room 428</li> <li>- Other administrative/informational changes</li> </ul> </li> <li>● BEA – no changes necessary</li> </ul>
02/13/18	<ul style="list-style-type: none"> <li>● Fluor Idaho, Class 2 PMR/RTA for the Volume 14 HWMA/RCRA Storage and Treatment Permit for the INTEC Liquid Waste Management System to address the following changes at the IWTU: <ul style="list-style-type: none"> <li>- Addition of 2 tank storage (S02) and treatment (T01) units in CPP-1696 IWTU: VES-SRC-133 (Sump Tank) and VES-SRC-134 (Clarifier Tank)</li> <li>- Revision of Permit Condition I.L.L. (Equivalent Materials/Information) and IV.C.8 (Operating Record requirements) to align with other Permits</li> <li>- Other administrative/informational changes</li> </ul> </li> <li>● Fluor Idaho – Volume 1 Part A Permit Application for the INL – INTEC: <ul style="list-style-type: none"> <li>- Administrative correction of the EPA Hazardous Waste Numbers for the interim status INTEC Tank Farm (VES-WM-187 through VES-WM-190) to be consistent with the INTEC Liquid Waste Management System (ILWMS) EPA Hazardous Waste Numbers, previously approved by the DEQ.</li> </ul> </li> <li>● BEA, MFC Class 2 PMR/RTA for the HWMA/RCRA Storage and Treatment Permit to address the following changes at the MFC: <ul style="list-style-type: none"> <li>- Addition of 2 container storage units (S01) at the RSWF – Staging Storage Area (SSA) and the North Fenced Area (NFA)</li> <li>- Installation of shielded container transfer station for the Hot Repair Area (HRA)</li> <li>- Installation of auxiliary piping on the SCMS scrubber water tank</li> <li>- Revision of Permit Condition II.M. (i.e., equivalent/superior changes)</li> <li>- Addition of EPA Hazardous Waste Numbers to the Part A</li> <li>- Updating the Emergency Action Manager list</li> <li>- Other administrative/informational changes</li> </ul> </li> </ul>
08/20/18	<ul style="list-style-type: none"> <li>● Fluor Idaho – Other administrative informational changes only</li> <li>● BEA – No changes necessary</li> </ul>

REVISION DATE	SUMMARY OF CHANGES
02/19/19	<ul style="list-style-type: none"> <li>● Fluor Idaho - Class 1 PMR for the Volume 18 HWMA/RCRA Permit for the INTEC and the RWMC on the INL to address the following changes: <ul style="list-style-type: none"> <li>– Addition of two container storage areas in CPP-666 to support the processing of legacy waste (Room B-6 and Room SB-4)</li> <li>– Other administrative informational changes, as necessary</li> </ul> </li> <li>● BEA – No changes necessary</li> </ul>
08/20/2019	<ul style="list-style-type: none"> <li>● Fluor Idaho - AMWTP HWMA/RCRA Permit Reissued by DEQ with an Effective Date of May 20, 2019 <ul style="list-style-type: none"> <li>- AMWTP Permit Effective Date revised to reflect DEQ’s approval of the AMWTP Permit Reapplication</li> <li>- Waste Storage Facility (WSF) Type II Modules - Container Storage (S01) Capacity reduced to reflect the approved AMWTP Permit</li> <li>- The Estimated Annual Quantity of Waste for container storage (S01) for the WSF was reduced to reflect the approved AMWTP Permit</li> </ul> </li> <li>● BEA – No changes Necessary</li> </ul>
March 2020	<ul style="list-style-type: none"> <li>● Fluor, Idaho – Class 3 PMR/RTA for the Volume 14 HWMA/RCRA Storage &amp; Treatment Permit for the INTEC Liquid Waste Management System for modifications to systems at the IWTU, approved by the DEQ on 09/05/19: <ul style="list-style-type: none"> <li>- Replacement of existing ring header in the Denitration Mineralization Reformer (DMR) with a dual plenum design</li> <li>- Nozzle modification and refractory repair to the Carbon Reduction Reformer (CRR)</li> <li>- Installation of a modified auger/grinder</li> <li>- Purging DMR nitrogen neck and drain line to allow increased fluidization</li> <li>- Modifications to sample system to increase functionality, and addition of CO<sub>2</sub> to the Fluidizing Gas which reduces the buildup of wall scale and cementous product deposits in the DMR</li> <li>- Other administrative and editorial changes</li> </ul> </li> <li>● Fluor, Idaho – Class 2 PMR/RTA for the Advanced Mixed Waste Treatment Project (AMWTP) HWMA/RCRA Permit for changes necessary for continued waste management operations, approved by the DEQ on 10/18/19: <ul style="list-style-type: none"> <li>- Implementation of administrative and engineering controls to support the processing of legacy mixed waste that contains potentially pyrophoric radionuclides in the WMF-676 Boxlines</li> <li>- Removal of Permit Condition III.J.1., which prohibited the Permittee’s performing treatment of pyrophoric radionuclides</li> <li>- Addition of training for personnel involved in these operations, addition of INL Fire Department preplanning information, and addition of operational responses in the even of a thermal reaction</li> </ul> </li> <li>● Fluor, Idaho – Class 2 PMR/RTA for the Volume 18 HWMA/RCRA Permit for changes necessary for continued waste management operations, approved by the DEQ on 12/17/19: <ul style="list-style-type: none"> <li>- Incorporate process changes identified in the corrective actions and lessons learned from evaluations of the WMF-1617 drum event in April 2018</li> <li>- Revision of Part A Permit Application to add Sludge Repackage Project operations at WMF-1619</li> <li>- Incorporate WMF-1619 SRP waste operations information to Facility and Process Descriptions, Waste Analysis Plan, and Facility Drawings and Exhibits</li> <li>- Create new Outside Storage Area (OSA) north of WMF-1619</li> <li>- Update the following sections with information regarding handling and</li> </ul> </li> </ul>

REVISION DATE	SUMMARY OF CHANGES
	<p>potential event response for ignitable/reactive wastes: Training, Procedures to Prevent Hazards, and Contingency Plan</p> <ul style="list-style-type: none"> <li>- Other administrative and editorial changes</li> <li>• Fluor, Idaho – Class 1* PMR for the Volume 18 HWMA/RCRA Permit to amend the closure plan for RWMC ARP V (WMF-1617), approved by the DEQ on 12/20/19:             <ul style="list-style-type: none"> <li>- Allow processing of residual wastes using rake-and-hold and temperature-monitoring controls before processing waste through the DPS</li> <li>- Integrating RCRA closure activities with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) non-time critical removal actions (NTCRA)</li> <li>- Construction of a temporary passageway to move-out heavy process equipment from WMF-1617 to WMF-1614 (ARP III) in support of ongoing CERCLA activities</li> </ul> </li> <li>• BEA – No changes necessary</li> </ul>

# CONTENTS

## **Fluor Idaho @ INTEC - Interim Status Units**

INTEC Tank Farm .....1

## **Fluor Idaho @ INTEC - Post-Closure Permitted Units**

### **Volume 21**

CPP-633 Waste Calcining Facility (WCF) Evaporator, WCF HEPA Filter Storage,  
WCF Storage Tanks and the CPP-601/627/640 Landfill Unit.....2

## **Fluor Idaho @ INTEC - Permitted Units**

### **Volume 22**

Calcined Solids Storage Facility (CSSF).....3

### **Volume 14**

CPP-604 Process Condensate Collection Tanks .....4  
 CPP-604 Process Equipment Waste (PEW) Evaporator Units .....5  
 CPP-604 Bottoms Collections Tanks.....6  
 CPP-604 Surge Tank for VES-WL-133.....7  
 CPP-604 Evaporator Feed Sediment Tank .....8  
 CPP-604 Evaporator Feed Collection Tank.....9  
 CPP-659 Blend and Hold Tanks .....10  
 CPP-659 Fluoride Hot Sump Tank .....11  
 CPP-659 Non-Fluoride Hot Sump Tank.....12  
 CPP-659 Evaporator Unit .....13  
 CPP-659 Process Off-Gas Condensate System .....14  
 CPP-659 Constant Head Feed Tank.....15  
 CPP-1618 Liquid Effluent Treatment and Disposal (LET&D) Acid Fractionators.....16  
 CPP-1618 LET&D Nitric Acid Recycle Tank System.....17  
 CPP-604 Tank Farm Tanks.....18  
 CPP-604 Evaporator Head Tank.....19  
 CPP-604 Process Condensate Surge Tanks .....20

**Fluor Idaho @ INTEC - Permitted Units (continued)**

CPP-604 Process Off-gas Condensate Knock Out Tank .....	21
CPP-604 Process Waste Liquid System Tanks.....	22
CPP-1618 Acid Fractionator Waste Head Feed Tank.....	23
CPP-1618 Acid Fractionator Bottoms Tank .....	24
CPP-1696 Integrated Waste Treatment Unit (IWTU) .....	25

**Volume 18**

CPP-659 NWCF Room 203 Tank Storage and Treatment (VES-NCD-129) .....	26
CPP-659 NWCF Room 205 Container Storage .....	27
CPP-659 NWCF Room 206 Container Storage and Waste Pile Storage.....	28
CPP-659 NWCF Room 207 Container Storage and Waste Pile Storage.....	29
CPP-659 NWCF Room 214 Container Storage and Waste Pile Storage.....	30
CPP-659 NWCF Room 215 Container Storage and Waste Pile Storage.....	31
CPP-659 NWCF Room 216 Container Storage, Waste Pile Storage & Sizing/Repackaging/Compacting .....	32
CPP-659 NWCF Room 218 Container Storage .....	33
CPP-659 NWCF Room 219 Tank Storage and Tank Treatment (VES-NCD-123) .....	34
CPP-659 NWCF Room 306 Container Storage .....	35
CPP-659 NWCF Room 306 Sizing/Repackaging/Compacting .....	36
CPP-659 NWCF Room 308 Container Storage, Sizing/Repackaging/Compacting, and Na/NaK Treatment in the ARS or exposure to air the cell.....	37
CPP-659 NWCF Room 308 Waste Pile Storage and Absorbent Addition .....	38
CPP-659 NWCF Room 308 Container Treatment (VES-NCD-138, TK-NCD-139, and TK-NCD-137) and Chemical/Physical Extraction.....	39
CPP-659 NWCF Room 309 Container Storage .....	40
CPP-659 NWCF Room 309 Tank Storage and Tank Treatment (VES-NCD-141 and VES-NCD-142).....	41
CPP-659 NWCF Room 309 Waste Pile Storage and Absorbent Addition .....	42
CPP-659 NWCF Room 309 Sizing/Repackaging/Compacting .....	43
CPP-659 NWCF Room 322 Waste Pile Storage .....	44
CPP-659 NWCF Room 323 Container Storage and Sizing/Repackaging/Compacting .....	45
CPP-659 NWCF Room 323 Waste Pile Storage .....	46
CPP-659 NWCF Room 326 Container Storage and Waste Pile Storage.....	47
CPP-659 NWCF Room 415 Container Storage .....	48
CPP-659 NWCF Room 415 Tank Treatment (SH-NCD-933, SH-NCD-934, UC-NCD-921) .....	49
CPP-659 NWCF Room 416 Container Storage and Waste Pile Storage.....	50
CPP-659 NWCF Room 417 Container Storage .....	51
CPP-659 NWCF Room 418 Container Storage .....	52
CPP-659 NWCF Room 418 Waste Pile Storage .....	53

**Fluor Idaho @ INTEC Permitted Units (continued)**

CPP-659 NWCF Room 418 Container Treatment (VES-NCD-138, TK-NCD-139, and TK-NCD-137), Scarification/Spalling, and Chemical/Physical Extraction .....	54
CPP-659 NWCF Room 418 Sizing/Repackaging/Compacting .....	55
CPP-659 NWCF Room 418 Absorbent Addition .....	56
CPP-659 NWCF Room 419 Container Storage .....	57
CPP-659 NWCF Room 421 Container Storage and Sizing/Repackaging/Compacting .....	58
CPP-659 NWCF Room 421 Container Treatment (VES-NCD-138, -TK-NCD-139, and TK-NCD-137) and Chemical/Physical Extraction.....	59
CPP-659 NWCF Room 422 Container Storage and Sizing/Repackaging/Compacting .....	60
CPP-659 NWCF Room 422 Container Treatment (VES-NCD-138, -TK-NCD-139, and TK-NCD-137) and Chemical/Physical Extraction.....	61
CPP-659 NWCF Room 428 Container Storage .....	62
CPP-659 NWCF Room 428 Sizing/Repackaging/Compacting .....	63
CPP-659 NWCF Room 428 Container Treatment (Commercial Macroencapsulation) .....	64
CPP-1659 Contaminated Equipment Maintenance Area Container Storage .....	65
CPP-666 FDP Cell Tank Storage, Sorting/Sizing/Segregating/Compacting, and Absorbent Addition .....	66
CPP-666 FDP Cell Container Storage and Deactivation & Repackaging of Ignitable or Reactive Wastes .....	67
CPP-666 Room 301 Container Storage .....	68
CPP-666 Room 114C Container Storage .....	69
CPP-666 Room 115 Container Storage .....	70
CPP-666 Room 180 Container Storage .....	71
CPP-666 Room B-4 Container Storage .....	72
CPP-666 Room B-5 Container Storage .....	73
CPP-666 Room SB-8 Container Storage, Tank Storage, and Distillation .....	74
CPP-666 Room B-6 Container Storage .....	75
CPP-666 Room SB-4 Container Storage .....	76
CPP-1617 RMWSF Container Storage, Container Treatment (Commercial Macroencapsulation) and Miscellaneous Unit Treatment (Custom Macroencapsulation) .....	77
CPP-2725 Container Storage & Macroencapsulation.....	78

**Fluor Idaho @ RWMC – Permitted Units****Volume 18**

WMF-1617 (ARP V) Storage and Treatment Units .....	79
WMF-1619 (ARP VII) Debris Repackage Project Storage and Treatment Units .....	80
WMF-1619 (ARP VII) Sludge Repackage Project Storage and Treatment Units .....	81
WMF-698 Storage and RWMC Outside Storage Areas .....	82



**Fluor Idaho @ AMWTP - Interim Status Units**

**RWMC/AMWTP**

Transuranic Storage Area (TSA) – Pad 1/TSA – Pad R .....83

**Fluor Idaho @ AMWTP - Permitted Units**

**RWMC/AMWTP**

Advanced Mixed Waste Treatment Project (AMWTP) – Waste Storage Facility (WSF).....84  
 AMWTP – Building WMF-676 .....85  
 SWEPP Storage Area (WMF-610) .....86  
 WMF-636 Pad 2 Container Storage Unit.....87  
 AMWTP Outside Storage Area .....88

**BEA @ MFC - Permitted Units**

Hot Fuel Examination Facility (HFEF) .....89  
 Radioactive Scrap and Waste Facility (RSWF).....90  
 RSWF Staging/Storage Area (SSA) .....91  
 Sodium Components Maintenance Shop (SCMS) Container Storage and Treatment.....92  
 Sodium Components Maintenance Shop (SCMS) Tank Storage and Treatment .....93  
 Sodium Storage Building (SSB) .....94  
 North Fenced Area (NFA) .....95



**UNIT:** INTEC Tank Farm  
 (VES-WM-187, VES-WM-188, VES-WM-189, VES-WM-190)

**LOCATION:** 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 – 1,200,000 gallons total  
 VES-WM-187 through VES-WM-190 = 300,000 gallons each

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 4,116 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-633 Waste Calcining Facility (WCF) Evaporator, WCF HEPA Filter Storage, WCF Storage Tanks and CPP-601/627/640 Landfill Unit

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** Post-Closure Permit (Volume 21- Issue Date: February 12, 2014; Effective Date: March 14, 2014)

**PROCESS CODES:** D080 – Landfill

**PROCESS DESIGN CAPACITY:** D80 – 59 cubic yards for the CPP-633 WCF Units (includes WCF Evaporator, WCF HEPA Filter Storage and WCF Storage Tanks)  
D80 – 22 cubic yards for the CPP-601/627/640 Unit

**ESTIMATED ANNUAL QUANTITY OF WASTE:** D80 = 81 cubic yards total

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

**WCF UNITS**

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

**CPP-601/627/640 UNIT**

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	Not Applicable	U134

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

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**LOCATION:** INTEC

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 22 - Effective Date: November 9, 2006)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 7,114 cubic meters or 1,879,518.8 gallons total  
 Binset # 1 = 235 cubic meters or 62,087 gallons  
 Binset # 2 = 895 cubic meters or 236,459 gallons  
 Binset # 3 = 1,133 cubic meters or 299,338.6 gallons  
 Binset # 4 = 502 cubic meters or 132,628.4 gallons  
 Binset # 5 = 1,025 cubic meters or 270,805 gallons  
 Binset # 6 = 1,563 cubic meters or 412,944.6 gallons  
 Binset # 7 = 1,784 cubic meters or 471,332.8 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 1,200 tons

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

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

**UNIT:** CPP-604 Process Condensate Collection Tanks  
(VES-WL-106, VES-WL-107, VES-WL-163)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**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:** S02 and T01 = 13,500 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-604 Process Equipment Waste (PEW) Evaporator Units  
(EVAP-WL-129, EVAP-WL-161)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
X99 – Other Subpart X Treatment (Evaporation)

**PROCESS DESIGN CAPACITY:** S02 – 2,000 gallons  
                                             EVAP-WL-129 = 1,000 gallons  
                                             EVAP-WL-161 = 1,000 gallons  
                                             X99 – 1,000 gallons/hour total  
                                             EVAP-WL-129 = 500 gallons/hour  
                                             EVAP-WL-161 = 500 gallons/hour

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and X99 = 13,600 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-604 Bottoms Collections Tanks  
(VES-WL-101, VES-WL-111)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** **S02 – 19,900 gallons total**  
VES-WL-101 = 18,400 gallons  
VES-WL-111 = 1,500 gallons  
**T01 – 19,000 gallons/day total**  
VES-WL-101 = 16,000 gallons/day  
VES-WL-111 = 3,000 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 270 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134



**UNIT:** CPP-604 Surge Tank for VES-WL-133  
(VES-WL-102)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 18,400 gallons total  
VES-WL-102 = 18,400 gallons  
T01 – 18,400 gallons/day total  
VES-WL-102 = 18,400 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 16,600 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-604 Evaporator Feed Sediment Tank  
(VES-WL-132)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 4,700 gallons total  
VES-WL-132 = 4,700 gallons  
T01 – 28,000 gallons/day total  
VES-WL-132 = 28,000 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 13,600 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-604 Evaporator Feed Collection Tank  
(VES-WL-133)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 19,000 gallons total  
VES-WL-133 = 19,000 gallons  
T01 – 28,000 gallons/day total  
VES-WL-133 = 28,000 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 13,600 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-659 New Waste Calcining Facility (NWCF) Blend and Hold Tanks  
(VES-NCC-101, VES-NCC-102, VES-NCC-103)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** **S02 – 13,870 gallons**  
VES-NCC-101 = 5,870 gallons  
VES-NCC-102 = 4,000 gallons  
VES-NCC-103 = 4,000 gallons

**T01 – 27,740 gallons**  
VES-NCC-101 = 11,740 gallons/day  
VES-NCC-102 = 8,000 gallons/day  
VES-NCC-103 = 8,000 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 54,800 tons

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

<b>D-LISTED</b>	<b>F-LISTED</b>	<b>K-LISTED</b>	<b>P-LISTED</b>	<b>U-LISTED</b>
D001-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 New Waste Calcining Facility (NWCF) Fluoride Hot Sump Tank (VES-NCC-119)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 6,500 gallons  
VES-NCC-119 = 6,500 gallons  
T01 – 6,500 gallons/day  
VES-NCC-119 = 6,500 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 12,800 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-659 New Waste Calcining Facility (NWCF) Non-Fluoride Hot Sump Tank  
(VES-NCC-122)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 4,300 gallons  
VES-NCC-122 = 4,300 gallons  
T01 – 8,600 gallons  
VES-NCC-122 = 8,600 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 15,800 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-659 New Waste Calcining Facility (NWCF) Evaporator Unit  
 [EVAP-NCC-150 (which includes VES-NCC-150, HE-NCC-350, HE-NCC-351)]

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
 X99 – Other Subpart X Treatment (Evaporation)

**PROCESS DESIGN CAPACITY:** S02 – 2,600 gallons  
 EVAP-NCC-150 Unit = 2,600 gallons  
 X99 – 500 gallons/hour  
 EVAP-NCC-150 Unit = 500 gallons/hour

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and X99 = 19,750 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-659 New Waste Calcining Facility (NWCF) Process Off-Gas Condensate System  
(VES-NCC-108, VES-NCC-116, VES-NCC-136)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 2,560 gallons  
VES-NCC-108 = 2,000 gallons  
VES-NCC-116 = 500 gallons  
VES-NCC-136 = 60 gallons  
T01 – 4,000 gallons/day  
VES-NCC-108 = 4,000 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 7,900 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134



**UNIT:** CPP-659 New Waste Calcining Facility (NWCF) Constant Head Feed Tank  
(VES-NCC-152)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 200 gallons  
VES-NCC-152 = 200 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 19,750 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

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

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
X99 – Other Subpart X Treatment (Fractionation)

**PROCESS DESIGN CAPACITY:** S02 – 920 gallons  
VES-WLL-170 = 460 gallons  
VES-WLK-171 = 460 gallons  
X99 – 1,100 gallons/hour total  
FRAC-WLL-170 = 550 gallons/hour  
FRAC-WLK-171 = 550 gallons/hour

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and X99 = 13,500 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-1618 LET&D Nitric Acid Recycle Tank System  
(VES-NCR-171, VES-NCR-173)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 22,590 gallons total  
VES-NCR-171 = 22,500 gallons  
VES-NCR-173 = 90 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 270 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

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

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**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  
**T01 – 55,200 gallons/day total**  
 VES-WM-100 = 18,400 gallons/day  
 VES-WM-101 = 18,400 gallons/day  
 VES-WM-102 = 18,400 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 13,600 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-604 Evaporator Head Tank  
(VES-WL-109)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 270 gallons total  
VES-WL-109 = 270 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 13,600 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-604 Process Condensate Surge Tanks  
(VES-WL-134, VES-WL-131)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 566 gallons total  
VES-WL-134 = 500 gallons  
VES-WL-131 = 66 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 13,600 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-604 Process Off-gas Condensate Knock Out Tank  
(VES-WL-108)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 98 gallons total  
VES-WL-108 = 98 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 13,500 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-604 Process Waste Liquid System Tanks  
 (VES-WL-135, VES-WL-136, VES-WL-137, VES-WL-138, VES-WL-139,  
 VES-WL-142, VES-WL-144, VES-WL-150)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 165 gallons total  
 VES-WL-135 = 10 gallons  
 VES-WL-136 = 10 gallons  
 VES-WL-137 = 25 gallons  
 VES-WL-138 = 25 gallons  
 VES-WL-139 = 10 gallons  
 VES-WL-142 = 10 gallons  
 VES-WL-144 = 25 gallons  
 VES-WL-150 = 50 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 8 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134



**UNIT:** CPP-1618 Acid Fractionator Waste Feed Head Tank  
(VES-WLK-197)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 270 gallons total  
VES-WLK-197 = 270 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 13,500 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-1618 Acid Fractionator Bottoms Tank  
(VES-WLL-195)

**LOCATION:** INTEC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S02 – Tank Storage

**PROCESS DESIGN CAPACITY:** S02 – 270 gallons total  
VES-WLL-195 = 270 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 13,600 tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-1696 Integrated Waste Treatment Unit  
(VES-SRC-131, COL-SRC-190, COL-SRC-191, COL-SRC-192, TK-SRH-196, VES-SRC-140, VES-SRC-160, vault storage area, and vault staging area)

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 14 - Effective Date: November 20, 2014)

**PROCESS CODES:** S01 – Container Storage  
S02 – Tank Storage  
S03 – Waste Pile Storage  
T01 – Tank Treatment  
X99 – Other Subpart X Treatment – Steam Reforming

**PROCESS DESIGN CAPACITY:** **S01 – 179,070 gallons (680 m<sup>3</sup>) total**  
Vault Storage Area = 175,000 gallons  
Vault Staging Area = 4,070 gallons

**S02 – 22,198 gallons total**  
CPP-1696 Waste Feed Tank (VES-SRC-131) = 2,170 gallons  
CPP-1696 Product Receiver/Cooler Tanks  
VES-SRC-190 = 512 gallons  
VES-SRC-191 = 512 gallons  
CPP-1696 Firewater Collection Tank (TK-SRH-196) = 15,000 gallons  
CPP-1696 Offgas Condensate Collection Tank (TK-SRH-141) = 120 gallons  
CPP-1696 Sump Tank (VES-SRC-133) = 3,390 gallons  
CPP-1696 Clarifier Tank (VES-SRC-134) = 494 gallons

**S03 – 64 cubic yards total**  
CPP-1696 Room 112 = 32 cubic yards  
CPP-1696 Room 113 = 32 cubic yards

**T01 – 17,040 gallons/day**  
CPP-1696 Waste Feed Tank (VES-SRC-131) = 5,040 gallons/day  
CPP-1696 Sump Tank (VES-SRC-133) = 6,000 gallons/day  
CPP-1696 Clarifier Tank (VES-SRC-134) = 6,000 gallons/day

**X99 – 210 gallons/hour**  
CPP-1696 Steam Reforming System (includes VES-SRC-140 Denitration/Mineralization Reformer and VES-SRC-160 Carbon Reduction Reformer) = 210 gallons/hour

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 925 Tons  
S02 = 5,400 Tons  
S03 = 20 Tons  
T01 = 5,400 Tons  
X99 = 5,400 Tons

**ENVIRONMENTAL PROTECTION AGENCY 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	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 203 Tank Storage and Treatment (VES-NCD-129)

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 530 gallons  
T01 – 1,060 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and 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-659 NWCF Room 205 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 54,200 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 206 Container Storage and Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S01 – 12,400 gallons  
S03 – 43 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons  
S03 = 10 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 207 Container Storage and Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S01 – 11,600 gallons  
S03 – 3 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons  
S03 = 10 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 214 Container Storage and Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S01 – 9,800 gallons  
S03 – 8 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons  
S03 = 10 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134



**UNIT:** CPP-659 NWCF Room 215 Container Storage and Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S01 – 8,200 gallons  
S03 – 3 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons  
S03 = 10 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 216 Container Storage, Waste Pile Storage & Sizing/Repackaging/Compacting

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
 S03 – Waste Pile Storage  
 T04 – Other Treatment (sizing/repackaging/compacting)

**PROCESS DESIGN CAPACITY:** S01 – 10,300 gallons  
 S03 – 39 cubic meters  
 T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01, S03, and T04 = 210 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 218 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 3,200 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 219 Tank Storage and Tank Treatment (VES-NCD-123)

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 3,800 gallons  
T01 – 7,600 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and 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-659 NWCF Room 306 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 4,800 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 306 Sizing/Repackaging/Compacting

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Other Treatment (Sizing/Repackaging/Compacting)

**PROCESS DESIGN CAPACITY:** T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 308 Container Storage, Sizing/Repackaging/Compacting, and Na/NaK Treatment in the ARS or exposure to air within the cell

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
 T04 – Other Treatment (sizing/repackaging/compacting)  
 T04 – Other Treatment (Deactivation)

**PROCESS DESIGN CAPACITY:** S01 – 5,800 gallons  
 T04 – 520 gallons/day/treatment method (sizing/repackaging/compacting)  
 T04 – 6.2 gallons/day (deactivation using water of Na &/or NaK within the ARS or exposure to air within the cell)

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 308 Waste Pile Storage and Absorbent Addition

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S03 – Waste Pile Storage  
T04 – Absorbent Addition

**PROCESS DESIGN CAPACITY:** S03 – 22 cubic meters  
T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S03 and T04 = 70 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D002 D004-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001- F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151



**UNIT:** CPP-659 NWCF Room 308 Container Treatment (VES-NCD-138, -TK-NCD-139, and TK-NCD-137) and Chemical/Physical Extraction

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Container Treatment  
X99 – Other Treatment (Chemical/Physical Extraction)

**PROCESS DESIGN CAPACITY:** **T04 – 7,600 gallons**  
VES-NCD-138 = 4,300 gallons/day  
TK-NCD-139 = 1,100 gallons/day  
TK-NCD-137 = 2,200 gallons/day  
**X99 – 8,660 gallons/day**

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 11,680 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 Room 309 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 4,800 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 309 Tank Storage and Tank Treatment (VES-NCD-141 and VES-NCD-142)

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment (HEPA Filter Leach System)

**PROCESS DESIGN CAPACITY:** S02 – 190 gallons  
VES-NCD-141 = 120 gallons  
VES-NCD-141 = 70 gallons  
T01 – 90 gallons/day (total HEPA filter media treated per day in the HFLS)

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 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 Room 309 Waste Pile Storage and Absorbent Addition

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S03 – Waste Pile Storage  
T04 – Absorbent Addition

**PROCESS DESIGN CAPACITY:** S03 – 18 cubic meters  
T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S03 and T04 = 70 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D002 D004-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 309 Sizing/Repackaging/Compacting

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Other Treatment (sizing/repackaging/compaction)

**PROCESS DESIGN CAPACITY:** T04 – 520 gallons/day/treatment method

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 322 Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S03 – 5 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S03 = 10 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 323 Container Storage and Sizing/Repackaging/Compacting

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
T04 – Other Treatment (sizing/repackaging/compaction)

**PROCESS DESIGN CAPACITY:** S01 – 3,400 gallons  
T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 323 Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S03 – 13 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S03 = 10 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134



**UNIT:** CPP-659 NWCF Room 326 Container Storage and Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S01 – 1,300 gallons  
S03 – 5 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons  
S03 = 10 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 415 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 23,500 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 415 Tank Treatment (SH-NCD-933, SH-NCD-934, UC-NCD-921)

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T01 – Tank Treatment

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

**ESTIMATED ANNUAL QUANTITY OF WASTE:** 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-659 NWCF Room 416 Container Storage and Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S01 – 5,300 gallons  
S03 – 20 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons  
S03 = 10 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 417 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 78,200 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 418 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 166,700 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 418 Waste Pile Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S03 – Waste Pile Storage

**PROCESS DESIGN CAPACITY:** S03 – 30 cubic meters

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S03 = 10 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D002 D004-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 418 Container Treatment (VES-NCD-138, TK-NCD-139, and TK-NCD-137), Scarification/Spalling, and Chemical/Physical Extraction

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Other Treatment (Container Treatment)  
 X02 – Mechanical Processing (Scarification/Spalling)  
 X99 – Other Miscellaneous Treatment (Chemical/Physical Extraction)

**PROCESS DESIGN CAPACITY:** **T04 – 7,600 gallons**  
 VES-NCD-138 = 4,300 gallons/day  
 TK-NCD-139 = 1,100 gallons/day  
 TK-NCD-137 = 2,200 gallons/day  
**X02 – 30 short tons/day**  
**X99 – 8,660 gallons/day**

**ESTIMATED ANNUAL QUANTITY OF WASTE:** 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 Room 418 Sizing/Repackaging/Compacting

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Other Treatment (sizing/repackaging/compaction)

**PROCESS DESIGN CAPACITY:** T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 418 Absorbent Addition

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Other Treatment (absorbent addition)

**PROCESS DESIGN CAPACITY:** T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 70 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D002 D004-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 419 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 26,400 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 421 Container Storage and Sizing/Repackaging/Compacting

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
T04 – Other Treatment (sizing/repackaging/compaction)

**PROCESS DESIGN CAPACITY:** S01 – 10,039 gallons  
T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 421 Container Treatment (VES-NCD-138, -TK-NCD-139, and TK-NCD-137) and Chemical/Physical Extraction

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Other Treatment (Container Treatment)  
 X99 – Other Miscellaneous Treatment (Chemical/Physical Extraction)

**PROCESS DESIGN CAPACITY:** **T04 – 7,600 gallons**  
 VES-NCD-138 = 4,300 gallons/day  
 TK-NCD-139 = 1,100 gallons/day  
 TK-NCD-137 = 2,200 gallons/day  
**X99 – 8,660 gallons/day**

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 11,680 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 Room 422 Container Storage and Sizing/Repackaging/Compacting

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
T04 – Other Treatment (sizing/repackaging/compaction)

**PROCESS DESIGN CAPACITY:** S01 – 10,039 gallons  
T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-659 NWCF Room 422 Container Treatment (VES-NCD-138, -TK-NCD-139, and TK-NCD-137) and Chemical/Physical Extraction

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Other Treatment (Container Treatment)  
X99 – Other Miscellaneous Treatment (Chemical/Physical Extraction)

**PROCESS DESIGN CAPACITY:** **T04 – 7,600 gallons**  
VES-NCD-138 = 4,300 gallons/day  
TK-NCD-139 = 1,100 gallons/day  
TK-NCD-137 = 2,200 gallons/day  
**X99 – 8,660 gallons/day**

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 11,680 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 Room 428 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 4,400 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 30 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151



**UNIT:** CPP-659 NWCF Room 428 Sizing/Repackaging/Compacting

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Other Treatment (sizing/repackaging/compaction)

**PROCESS DESIGN CAPACITY:** T04 – 520 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-659 NWCF Room 428 Container Treatment (Commercial Macroencapsulation)

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** T04 – Container Treatment (Commercial Macroencapsulation treatment process)

**PROCESS DESIGN CAPACITY:** T04 – 9,600 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** T04 = 312 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D004-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-1659 Contaminated Equipment Maintenance Area - Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 87,200 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098-P099 P106	U003 U103 U108 U134 U151

**UNIT:** CPP-666 FDP Cell Tank Storage, Sorting/Sizing/Segregating/Compacting, and Absorbent Addition

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S02 – Tank Storage (VES-FC-184)  
 T04 – Other Treatment (sorting/sizing/repackaging/compaction and absorbent addition)

**PROCESS DESIGN CAPACITY:** S02 – 65 gallons  
 T04 – 520 gallons/day (sizing/repackaging/compacting)  
 T04 – 520 gallons/day (Absorbent Addition)

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 = 38 tons  
 T04 = 210 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-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 FDP Cell Container Storage and Deactivation & Repackaging of Ignitable or Reactive Wastes

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
 T04 – Other Treatment (deactivation Na or NaK waste using water within the ARS or exposure to air in the cell)  
 T04 – Other Treatment (repackaging)

**PROCESS DESIGN CAPACITY:** S01 – 37,300 gallons  
 T04 – 6.2 gallons Na or NaK/day (deactivation and repackaging)

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 Room 301 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 4,304 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 542 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 Room 114C Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 1,000 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 Room 115 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 1,000 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134



**UNIT:** CPP-666 Room 180 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 55 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 Room B-4 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 55 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 10 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 Room B-5 Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 55 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 10 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 Room SB-8 Container Storage, Tank Storage, and Distillation

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage (Collection Vessel VES-FC-85A)  
 S02 – Tank Storage (Distillation Vessel VES-FC-101 and Collection Vessel VES-FC-85A)  
 T04 – Other Treatment (Distillation)

**PROCESS DESIGN CAPACITY:** S01 – 5 gallons  
 S02 – 40 gallons  
     VES-FC-101 = 35 gallons  
     VES-FC-85A = 5 gallons  
 T04 – 6.2 gallons/day of Na &/or NaK (VES-FC-101 and VES-FC-85A)

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01, S02, and T04 = 210 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 FDP Room B-6 Large Liner Sizing Area - Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 525 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-666 FDP Room SB-4 Large Liner Sizing Area - Container Storage

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 525 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 15 tons

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D011 D018-D019 D021-D022 D026 D028-D029 D032 D034-D036 D038-D040	F001-F003 F005-F007 F009	Not Applicable	Not Applicable	U134

**UNIT:** CPP-1617 RMWSF Container Storage, Container Treatment (Commercial Macroencapsulation) and Miscellaneous Unit Treatment (Custom Macroencapsulation)

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
T04 –Macroencapsulation (both Custom and Commercial)

**PROCESS DESIGN CAPACITY:** S01 – 2,224,156 gallons (includes CPP-2725)  
T04 – 9,600 gallons/day total volume treated (for all Custom and Commercial Macroencapsulation units combined – includes CPP-2725 macroencapsulation units)

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 12,000 tons\*  
T04 = 312 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-U240 U243-U244 U246-U249 U328 U353 U359

\* These numbers equal the combined total for the Estimated Annual Quantity of Waste for both the RMWSF (CPP-1617) and CPP-2725.

**UNIT:** CPP-2725 Container Storage & Macroencapsulation Treatment (Commercial and Custom)

**LOCATION:** INTEC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 1 with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
T04 – Macroencapsulation

**PROCESS DESIGN CAPACITY:** S01 – 2,224,156 gallons (includes CPP-1617 RMWSF)  
T04 – 9,600 gallons/day total volume treated (for all Custom and Commercial Macroencapsulation units combined - includes CPP-1617 RMWSF macroencapsulation units)

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 12,000 tons\*  
T04 = 312 tons\*

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D004-D043	F001-F012 F019 F024 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-U240 U243-U244 U246-U249 U328 U353 U359

\* These numbers equal the combined total for the Estimated Annual Quantity of Waste for both CPP-2725 and the RMWSF (CPP-1617).



**UNIT: RWMC WMF-1617 (ARP V) Storage and Treatment Units**

**LOCATION:** RWMC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 3A with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
 X99 – Miscellaneous Treatment  
 X99 – Miscellaneous Storage  
 X02 – Mechanical Processing Treatment

**PROCESS DESIGN CAPACITY: S01 – Container Storage – 21,807 gallons**

WMF-1617:

- Room 104 Equipment Air Lock: 38 drums @ 55 gallons each = 2,090 gallons
- Room 105 Drum Packaging Station Area: 6 drums @ 55 gallons each = 330 gallons
- Room 106 Utility Area: 320 drums @ 55 gallons each = 17,600 gallons
- Rooms 101, 102, 103 Drum Compactor Area: 2 standard waste boxes and 8 drum equivalents = 1,787 gallons

**X99 – Miscellaneous Treatment – 8,260 gallons/day**

WMF-1617:

- Retrieval Area Sorting Table: 50 drums/day @ 55 gallons each = 2,750 gallons/day
- Room 105 Drum Packaging Stations: 100 drums/day @ 55 gallons each = 5,500 gallons/day
- Room 103 Drum Compactor (absorbent addition) = 10 gallons/day

**X99 – Miscellaneous Storage – 17,730 gallons/day**

WMF-1617 Retrieval Area = 17,730 gallons/day

**X02 – Mechanical Processing - 5,500 gallons/day**

WMF-1617 Room 103 Drum Compactor (crushing): 100 drums/day @ 55 gallons each = 5,500 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01, X99, and X02 = 2,000,000 pounds

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED		U-LISTED			
D002 D004-D012 D018-D043	F001-F007 F009 F039	Not Applicable	P005 P012 P015 P022 P024 P027-P028 P030-P031 P056	P073 P075 P077 P098-P099 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 U170-U171	U182 U188 U190-U191 U196 U201 U204 U207-U211 U215 U217-U220 U225-U228 U239 U328

**UNIT: RWMC WMF-1619 (ARP VII) Debris Repackage Project (DRP) Storage and Treatment Units**

**LOCATION:** RWMC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 3A with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
 X99 – Miscellaneous Treatment  
 X99 – Miscellaneous Storage

**PROCESS DESIGN CAPACITY:**

**S01 – Container Storage – 32,964 gallons**

WMF-1619 DRP:

Rooms 101/102/103 Service Bay Area: 2 oversized boxes @ 4,600 gallons each, 2 standard waste boxes @ 90 cubic feet each (674 gallons each), 8 drum equivalents @ 55 gallons each = 10,988 gallons total

Room 104 Equipment Airlock: 2 oversized boxes @ 4,600 gallons each = 9,200 gallons total

Room 105 Drum Packaging Station Room: 6 drums total @ 55 gallons each = 330 gallons total

Room 106 Utility Area: 2 oversized boxes @ 4,600 gallons each, 4 standard waste boxes @ 90 cubic feet each (674 gallons each), and 10 drums @ 55 gallons each = 12,446 gallons total

**X99 – Miscellaneous Treatment – 6,140 gallons/day**

WMF-1619 DRP

Retrieval Area Sorting Area (Box Transfer Pan Area): 2 large boxes treated/day = 2,800 gallons/day

Room 103- Sorting Area: 2 large boxes treated/day = 2,800 gallons/day

Room 105- Four Drum Packaging Stations (DPS): 8 drums/day total @ 55 gallons each = 440 gallons/day

WMF-1619 DRP Absorbent Addition:

Room 103 Service Bay = 50 gallons/day

Debris Box Containment Pan (Box Transfer Pan) w/i the RA = 50 gallons/day

**X99 – Miscellaneous Storage – 17,730 gallons/day**

WMF-1619 DRP Retrieval Area = 17,730 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and X99 = 2,000,000 pounds

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED		U-LISTED			
D002 D004-D012 D018-D043	F001-F007 F009 F039	Not Applicable	P005 P012 P015 P022 P024 P027-P028 P030-P031 P056	P073 P075 P077 P098-P099 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: RWMC WMF-1619 (ARP VII) Sludge Repackage Project (SRP) Storage and Treatment Units**

**LOCATION:** RWMC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 3A with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage  
 X99 – Miscellaneous Treatment  
 X99 – Miscellaneous Storage  
 X02 – Mechanical Processing Treatment

**PROCESS DESIGN CAPACITY:**

**S01 – Container Storage – 21,807 gallons**

WMF-1619 SRP:

- Room 104 Equipment Air Lock: 38 drums @ 55 gallons each = 2,090 gallons
- Room 105 Drum Packaging Station Area: 6 drums @ 55 gallons each = 330 gallons
- Room 106 Utility Area: 320 drums @ 55 gallons each = 17,600 gallons
- Rooms 101, 102, 103 Drum Compactor Area: 2 standard waste boxes and 8 drum equivalents = 1,787 gallons

**X99 – Miscellaneous Treatment – 8,260 gallons/day**

WMF-1619 SRP

- Retrieval Area Sorting Table treatment: 50 drums/day @ 55 gallons each = 2,750 gallons/day
- Room 105- DPS: 100 drums/day @ 55 gallons each = 5,500 gallons/day
- Room 103- Drum Compactor (absorbent addition) = 10 gallons/day

**X99 – Miscellaneous Storage – 17,730 gallons/day**

WMF-1619 SRP Retrieval Area = 17,730 gallons/day

**X02 – Mechanical Processing - 5,500 gallons/day**

WMF-1619 SRP Room 103 Drum Compactor (crushing): 100 drums/day @ 55 gallons each = 5,500 gallons/day

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01, X99, and X02 = 2,000,000 pounds

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED		U-LISTED			
D002 D004-D012 D018-D043	F001-F007 F009 F039	Not Applicable	P005 P012 P015 P022 P024 P027-P028 P030-P031 P056	P073 P075 P077 P098-P099 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 U119 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: RWMC WMF-698 Storage and RWMC Outside Storage Areas**

**LOCATION:** RWMC

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Volume 18 Permit – Book 3A with an Effective Date of April 27, 2009)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:**

**S01 – Container Storage – 285,649-2750 gallons**

WMF-698: 1,973 drum equivalents @ 55 gallons each = 108,515 gallons

Outside Storage Areas

Near WMF-1617:

3 Trailers: 16 boxes – 90 cubic feet/box or 10,772 gallons/trailer = 32,316 gallons

4 Cargo Containers: 9,574 gallons/container = 38,296 gallons

16 boxes: 90 cubic feet/box = 10,772 gallons

Near WMF-698:

2 trailers: 10,772 gallons/trailer = 21,544 gallons

Bridge Area:

1 trailer: 10,772 gallons/trailer = 10,772 gallons

Near WMF-1619:

(southeast end) 3 Trailers @ 16 boxes each: 10,772 gallons/trailer = 32,316 gallons

(southeast end) 1 Cargo Container @ 9,574 gallons/container = 9,574 gallons

(north end) 16 boxes @ 90 cubic feet/box = 10,772

Trailer Storage Area Near WMF-1621

1 trailer: 10,772 gallons/trailer = 10,772 gallons

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 2,000,000 pounds

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED		U-LISTED			
D002 D004-D012 D018-D043	F001-F007 F009 F039	Not Applicable	P005 P012 P015 P022 P024 P027 P028 P030-P031 P056	P073 P075 P077 P098-P099 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:** Transuranic Storage Area (TSA) - Pad 1/Pad R (TSA-1/TSA-R)

**LOCATION:** RWMC/AMWTP

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** Interim Status

**PROCESS CODES:** S01 – Container Storage  
 T04 – Liquid Absorption  
 T04 – Liquid Neutralization  
 T04 – Liquid Decanting  
 T04 – Physical Sizing  
 T04 – Repackaging

**PROCESS DESIGN CAPACITY:** S01 – 20,237,720 gallons total - Container Storage  
 TSA-1/TSA-R = 76,600 cubic meters or 20,237,720 gallons  
 T04 – 5,500 gal/day (8,369 tons) - Liquid Absorption  
 T04 – 5,500 gal/day (8,369 tons) - Liquid Neutralization  
 T04 – 5,500 gal/day (8,369 tons) - Liquid Decanting  
 T04 – 16,500 gal/day (25,146 tons) - Physical Sizing  
 T04 – 16,500 gal/day (25,146 tons) - Repackaging

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and T04 = 573,393 tons

**ENVIRONMENTAL PROTECTION AGENCY 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-P099 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) (includes WMF-628)

**LOCATION:** RWMC/AMWTP

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: May 20, 2019)

**PROCESS CODES:**

S01 – Container Storage	T04 – Repackaging
T04 – Absorption	T04 – Physical Sizing
T04 – Decanting	T04 – Mechanical Vibration
T04 – Neutralization	T04 – Macroencapsulation

**PROCESS DESIGN CAPACITY:**

**S01 – 13,806,624 gallons (Container Storage) as follows:**

- WMF-634 = 1,231,430 gallons
- Type II Modules (five total) = 2,159,985 gallons each (10,799,925 gallons total)
- WMF-635 (Type I Module) = 667,979 gallons
- WMF-628 = 1,107,290 gallons

**T04 – 33,000 gallons/day\* (Absorption, Decanting, Neutralization, Repackaging, Physical Sizing, and Mechanical Vibration) for both the WSF and SWEPP**

**T04 – 5,280 gallons/day (Macroencapsulation) of waste for the WSF, SWEPP, WMF-636 Pad 2, and AMWTP Outside Storage Area**

**\*NOTE:** No single listed process (i.e., Absorption, Decanting, Neutralization, Repackaging, Physical Sizing, and Mechanical Vibration) may be performed such that the design capacity for that process exceeds 5,500 gallons/day (20.8 cubic meters/day)

**ESTIMATED ANNUAL QUANTITY OF WASTE:**

- S01 = 8,754,462 tons (WSF)
- T04 = 50,252 tons (Absorption, Decanting, Neutralization, Repackaging, Physical Sizing, and Mechanical Vibration in WSF and SWEPP)
- T04 = 8,047 tons (Macroencapsulation in the WSF, SWEPP, WMF-636 Pad 2, and AMWTP Outside Storage Area)

**ENVIRONMENTAL PROTECTION AGENCY 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-P099 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 U133-135 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) - Building WMF-676

**LOCATION:** RWMC/AMWTP

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: May 20, 2019)

**PROCESS CODES:**  
 X02 – Mechanical Processing (Pretreatment - PT)  
 X99 – Supercompaction (SC)  
 X99 – Special Case Waste (SCW) Treatment  
 S01 – Container Storage  
 T04 – Absorption  
 T04 – Decanting  
 T04 – Neutralization

**PROCESS DESIGN CAPACITY:**  
**X02 – 13,431 gallons/day (PT)**  
**X99 – 10,312 gallons/day (SC)**  
**X99 – 200 gallons/day (SCW Treatment)**  
**S01 – 91,268 gallons**  
**T04 – 13,200 gallons/day (Absorption, Decanting, and Neutralization of liquids)**

**ESTIMATED ANNUAL QUANTITY OF WASTE:**  
 X02 = 20,479 tons (PT)  
 X99 = 15,691 tons (SC)  
 X99 = 306 tons (SCW)  
 S01 = 275,575 tons  
 T04 = 20,117 tons (Absorption, Decanting, and Neutralization of liquids)

**ENVIRONMENTAL PROTECTION AGENCY 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-P099 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:** SWEPP Storage Area (WMF-610)

**LOCATION:** RWMC/AMWTP

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: May 20, 2019)

**PROCESS CODES:** S01 – Container Storage  
 T04 – Absorption  
 T04 – Decanting  
 T04 – Neutralization  
 T04 – Repackaging  
 T04 – Physical Sizing  
 T04 – Mechanical Vibration  
 T04 – Macroencapsulation

**PROCESS DESIGN CAPACITY:** S01 – 28,380 gallons or 107 cubic meters (Container Storage)  
 T04 – 33,000 gallons/day\* (Absorption, Decanting, Neutralization, Repackaging, Physical Sizing, and Mechanical Vibration) for both the WSF and SWEPP  
 T04 – 5,280 gallons/day (Macroencapsulation of waste) for the WSF, SWEPP, WMF-636 Pad 2, and AMWTP Outside Storage Area

**\*NOTE:** No single listed process (i.e., Absorption, Decanting, Neutralization, Repackaging, Physical Sizing, and Mechanical Vibration) may be performed such that the design capacity for that process exceeds 5,500 gallons/day (20.8 cubic meters)

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 880,040 tons  
 T04 = 50,252 tons (Absorption, Decanting, Neutralization, Repackaging, Physical Sizing, and Mechanical Vibration in WSF and SWEPP)  
 T04 = 8,047 tons (includes Macroencapsulation in the WSF, SWEPP, WMF-636 Pad 2, and AMWTP Outside Storage Area)

**ENVIRONMENTAL PROTECTION AGENCY 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-P099 P104-P106 P113 P116 P119-P120	U002-U004 U131 U007 U133-U135 U009 U138 U012 U140 U014 U144-U145 U019-U020 U147 U032 U151 U037 U154 U043-U044 U159 U048 U162 U052 U165 U069-U070 U169-U171 U072 U182 U078-U081 U188 U083-U084 U190-U191 U102-U103 U196 U105 U201 U108 U204 U116 U207-U211 U118 U215 U120 U217-U220 U122-U123 U225-U228 U127-U128 U239 U328

**UNIT:** WMF-636 Pad 2 Container Storage Unit

**LOCATION:** RWMC/AMWTP

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: May 20, 2019)

**PROCESS CODES:** S01 – Container Storage  
T04 – Macroencapsulation

**PROCESS DESIGN CAPACITY:** S01 – 6,350,140 gallons  
T04 – 5,280 gallons/day (8,047 tons)  
Includes: the WSF, SWEPP, WMF-636 Pad 2, and the AMWTP Outside Storage Area

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 1,025,285 tons  
T04 = 8,047 tons (includes Macroencapsulation in the WSF, SWEPP, WMF-636 Pad 2, and the AMWTP Outside Storage Area)

**ENVIRONMENTAL PROTECTION AGENCY 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-P099 P104-P106 P113 P116 P119-P120	U002-U004 U131 U007 U133-U135 U009 U138 U012 U140 U014 U144-U145 U019-U020 U147 U032 U151 U037 U154 U043-U044 U159 U048 U162 U052 U165 U069-U070 U169-U171 U072 U182 U078-U081 U188 U083-U084 U190-U191 U102-U103 U196 U105 U201 U108 U204 U116 U207-U211 U118 U215 U120 U217-U220 U122-U123 U225-U228 U127-U128 U239 U328

**UNIT:** AMWTP Outside Storage Area

**LOCATION:** RWMC/AMWTP

**WASTE TYPE:** Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: May 20, 2019)

**PROCESS CODES:** S01 – Container Storage  
T04 – Macroencapsulation

**PROCESS DESIGN CAPACITY:** **S01 – 404,995 gallons**  
**T04 – 5,280 gallons/day (8,047 tons)**  
Includes: the WSF, SWEPP, WMF-636 Pad 2, and the AMWTP Outside Storage Area

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 551,150 tons  
T04 = 8,047 tons (includes Macroencapsulation in the WSF, SWEPP, WMF-636 Pad 2, and the AMWTP Outside Storage Area)

**ENVIRONMENTAL PROTECTION AGENCY 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-P099 P104-P106 P113 P116 P119-P120	U002-U004 U131 U007 U133-U135 U009 U138 U012 U140 U014 U144-U145 U019-U020 U147 U032 U151 U037 U154 U043-U044 U159 U048 U162 U052 U165 U069-U070 U169-U171 U072 U182 U078-U081 U188 U083-U084 U190-U191 U102-U103 U196 U105 U201 U108 U204 U116 U207-U211 U118 U215 U120 U217-U220 U122-U123 U225-U228 U127-U128 U239 U328

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

**LOCATION:** MFC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: October 1, 2015)

**PROCESS CODES:** S01 – Container Storage  
T04 – Container Treatment

**PROCESS DESIGN CAPACITY:** S01 – 10,725 gallons total  
T04 – 440 gallons/day total

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and T04 = 1,430,000 pounds

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED	
D001-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:** MFC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: October 1, 2015)

**PROCESS CODES:** S99 – Miscellaneous Unit Storage

**PROCESS DESIGN CAPACITY:** S99 – 53,000 gallons total

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S99 = 477,000 pounds

**ENVIRONMENTAL PROTECTION AGENCY 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:** RSWF Staging/Storage Area (SSA)

**LOCATION:** MFC

**WASTE TYPE:** Remote Handled Mixed Waste and Hazardous Waste/Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: October 1, 2015)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 88,000 gallons total

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 792,000 pounds

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001 D003-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-007 F009	Not Applicable	P030 P098 P099 P106	U003 U103 U108 U134 U151

**UNIT:** Sodium Components Maintenance Shop (SCMS) Container Storage and Treatment

**LOCATION:** MFC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: October 1, 2015)

**PROCESS CODES:** S01 – Container Storage  
T04 – Other Treatment

**PROCESS DESIGN CAPACITY:** S01 – 24,640 gallons total  
T04 – 880 gallons/day total

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 and T04 = 990,000 pounds

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098 P099 P106	U003 U103 U108 U134 U151

**UNIT:** Sodium Components Maintenance Shop (SCMS) Tank Storage and Treatment

**LOCATION:** MFC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: October 1, 2015)

**PROCESS CODES:** S02 – Tank Storage  
T01 – Tank Treatment

**PROCESS DESIGN CAPACITY:** S02 – 390 gallons total  
T01 – 1,188 gallons/day total

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S02 and T01 = 990,000 pounds

**ENVIRONMENTAL PROTECTION AGENCY 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 (SSB) – Building 703

**LOCATION:** MFC

**WASTE TYPE:** Hazardous and Radioactive Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: October 1, 2015)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 48,000 gallons total

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 432,000 pounds

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

D-LISTED	F-LISTED	K-LISTED	P-LISTED	U-LISTED
D001 D003-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-007 F009	Not Applicable	P030 P098 P099 P106	U003 U103 U108 U134 U151

**UNIT:** North Fenced Area (NFA)

**LOCATION:** MFC

**WASTE TYPE:** Remote Handled Mixed Waste and Hazardous Waste/Mixed Waste

**CURRENT STATUS:** RCRA Part B Permitted Unit (Effective Date: October 1, 2015)

**PROCESS CODES:** S01 – Container Storage

**PROCESS DESIGN CAPACITY:** S01 – 88,000 gallons total

**ESTIMATED ANNUAL QUANTITY OF WASTE:** S01 = 792,000 pounds

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

<b>D-LISTED</b>	<b>F-LISTED</b>	<b>K-LISTED</b>	<b>P-LISTED</b>	<b>U-LISTED</b>
D001 D003-D012 D018-D019 D021-D022 D026-D030 D032-D040 D042-D043	F001-F007 F009	Not Applicable	P030 P098 P099 P106	U003 U103 U108 U134 U151