

Exhibit C-1 –Facility Description and Status

WMA	Facility (ID#)	Current Use	Previous Use	Facility Type	Current RCRA Status Permitting/ Corrective Action	Facility Construction
1	Main Plant Process Building (Below Grade Cells) (37)	None Building demolished and foundation remains.	Spent Fuel Reprocessing	Nuclear - Hazard Category 3	None	Several operational cells extend below grade and are grouted; the General Purpose Cell is approximately 30 feet below grade. Above grade portion of MPPB demolished within +/- 3 feet of the 100-foot elevation. Exception is PMC which has up to 5 feet of grout covering a cell length pedestal table fixed to cell floor.

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1	Vitrification Facility Building (65)	None Building demolished and foundation remains.	Solidification of liquid HLW; Remote Handled waste sorting and processing	Nuclear - Hazard Category 3	. Groundwater monitoring continues. Facility subject to RCRA unit closure. (SWMU 20)	Remaining concrete slab at a plant elevation of 100 feet is approximately. 100' x 125' by 12" thick. Subgrade features include 1/8-inch stainless steel lined Melter Pit measuring 34' x 25' x 14' deep filled with 1,200 psi grout. Concrete walls are 4 feet thick.
1	Fuel Receiving and Storage Building (17)	None	Unloading and storage of irradiated nuclear fuel assemblies	Nuclear - Hazard Category 3	Unit was protectively filed and removed from Part A. (SWMU 44)	50' x 130' x 50' tall structural steel frame and steel sided building. Fuel Storage Pool (FSP) - 40' x 70' x 29' deep;

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						Cask Unloading Pool (CUP) – 20’ x 20’ x 44’ deep; Water Treatment Area (WTA) – 12’ x 20’ x 44’ deep
1	Vitrification Off-Gas Trench (47)	None. Trench is presently being used to collect and manage demolition water	Contained piping that conveyed VF off-gas and STS liquids to 01-14 Building for treatment	Less than Nuclear - Hazard Category 3	NA	10’ x 10’ x 290’ concrete walled trench with removable concrete covers. Covers are removed and dispositioned.
1	Tanks 12-35104, 7D-13, and 15D-6 (150, 151)	None	Received wastewater from MPPB crane rooms (12-35104), 01-14 Building floor drains (7D-13), and MSM Repair Shop (15D-6)	Less than Nuclear - Hazard Category 3	NA	Below grade stainless steel tanks: 12-35104 (5,900 gallon) 7D-13 (2,000 gallons) 15D-6 (1,500 gallons)

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1	FRS Ventilation Building Slab (86)	None Building demolished and slab remains.	Housed ventilation system for the Fuel Receiving and Storage Area.	Less than Nuclear - Hazard Category 3	NA	30' x 35' by 6" thick concrete slab.
1	01-14 Building Slab (1, 4)	None Building demolished, foundation remains.	Used for stabilization of HLW supernatant into cement and for mixed waste solidification (Sodium Bearing Waste).	Less than Nuclear - Hazard Category 3	Groundwater monitoring continues. Facility subject to RCRA unit closure. (SWMU 22)	41' x 33' x 2' thick concrete floor slab and associated foundation
1	Load-In/Load-Out Facility Slab (66)	None Building demolished, foundation remains.	Used to transfer clean materials into the MPPB Equipment Decontamination Room during vitrification and HLW canister	Less than Nuclear - Hazard Category 3	NA	55' x 80' by up to 2' thick concrete floor slab and associated foundation.

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			transfer operations.			
1	Fuel Receiving and Storage Area's High Integrity Container (HIC) and SUREPAK™ Staging Area (87)	RCRA container storage unit	Storage for High Integrity Containers (HIC) and overpack.	Less than Nuclear - Hazard Category 3	Subject to RCRA unit closure. (SWMU 44)	50' x 50' gravel pad located north of Fuel Receiving and Storage Building.
1	MSM Repair Shop Slab (38)	None Building demolished, foundation remains.	Repair of contaminated MSMs from PMC, GPC, SRR, and laboratories.	Less than Nuclear - Hazard Category 3	NA SWMU - Sealed room.	Stainless steel covered concrete floor slab 35'6" x 90' Floor drains to buried 1500 gallon tank (15D-6) east of MSM Shop.
1	Contact Size Reduction Facility (CSRF) Slab (8)	None Building demolished, foundation remains.	Size reduction and packaging of contact handled LLW, decontamination of MSMs.	Less than Nuclear - Hazard Category 3	Permitted HWMU. Facility subject to	24' x 35' stainless steel covered concrete floor slab.

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					RCRA unit closure. (SWMU 37)	Floor drained to Tank 15D-6 east of MSM Shop.
1	Radwaste Process (Hittman) Bldg. Slab (53)	None Building demolished and slab remains.	Ion exchange resin packaging system and storage for High Integrity Containers	Less than Nuclear - Hazard Category 3	NYSDEC and EPA to be notified if hazardous waste is stored in this area and when the existing hazardous waste will be disposed of. (SWMU 44)	15' x 46' concrete floor slab.
1	Utility Room Slab (62)	None Building demolished and slab remains.	Contained equipment that supplied steam, compressed air, and potable and deionized water to the MPPB and other areas	Less than Nuclear - Hazard Category 3	NA	Concrete floor slab 80' x 88' and associated foundations

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1	Head End Vent (HEV) Replacement Ventilation Unit (RVU) Building	Operable - RVUs deactivated and filters removed	Providing ventilation to the Head End Side of the MPPB	Radiological	NA	Two modular ventilation units with effluent monitoring systems and pre-engineered facility with metal siding
1	Utility Room Expansion Slab (63)	None Building demolished and slab remains.	Contained equipment that supplied steam, compressed air, and potable and deionized water to the MPPB and other areas	Less than Nuclear - Hazard Category 3	NA	Concrete floor slab 56' x 80' and associated foundations
1	Fire Pumphouse & Storage Tank (15)	Shelter for plant's fire water system pumps and associated equipment.	Shelter for plant's fire water system pumps and associated equipment.	Industrial	NA	20' x 24' x 10' high steel framed and sided building on a 4-inch thick concrete floor slab. Tank 32D-1 Water Storage

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						tank has 475,000 gallon capacity
1	Laundry Room Slab (33)	None Building demolished and slab remains.	Laundering contaminated protective clothing	Less than Nuclear - Hazard Category 3	NA. (SWMU 45)	26' x 56' x 0.5' concrete slab and foundations. SWMU designation due to breach in subsurface wastewater line.
1	Emergency Vehicle Shelter Slab (12)	None Building demolished and slab remains.	Foundation supports air compressor associated with MPPB utilities.	Industrial	NA	10' x 22' concrete floor slab only
1	Main Plant Unit Substation (a.k.a. Main Plant Switchgear) (30-	None Building demolished	Power distribution and control	Industrial	NA	

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	US-1), and the Utility Room Area Unit Substation (30-US-3).	and slab remains.				
1	Plant Office Building Slab (48)	None Building demolished and slab remains.	Office area with men's and women's locker rooms.	Less than Nuclear - Hazard Category 3	NA	40' x 95' concrete floor slab and foundations
1	Cold Chemical Facility Slab (7)	None Building demolished and slab remains.	Location of bulk chemical storage tanks for vitrification	Less than Nuclear - Hazard Category 3	NA	56' x 34' concrete floor slab covered with gravel.
1	WMA 1 Subsurface Soil Excavation	None	None	Nuclear - Hazard Category 3	TBD	Radiologically impacted subsurface soils are overlain by the MPPB and the remnants of the VF. Approximately

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						<p>10,000 feet of piping, 500 steel H-piles, and source area of North Plateau Plume underlie the MPPB and attached FRS features.</p> <p>Contaminated extents are generally known; detailed soil volumes are undetermined.</p>
2	Low-Level Waste Treatment Building (LLW2) (36)	Process site low-level waste water	Process site low-level waste water	Less than Nuclear - Hazard Category 3	<p>NA</p> <p>Ambient groundwater monitoring.</p> <p>(SWMU 17)</p>	<p>40' x 60' x 20' high structural steel (I-beam frame) and sheet metal structure.</p> <p>Underlying concrete floor slab is 40' x 60'</p>

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2	Lagoon 1 (28)	None	Received liquid waste from interceptors transferred to Lagoon 2.	Nuclear - Hazard Category 3	NA Ambient groundwater monitoring. (SWMU 3)	80'x 80' x 5' deep, unlined pond constructed in the Sand and Gravel Unit. Drained and sediments left in place. Backfilled with contaminated asphalt/gravel from the NFS Old Hardstand.
2	Lagoon 2 (29)	Hold plant radiological liquid waste water for processing.	Hold plant radiological liquid waste water for processing.	Nuclear - Hazard Category 3	NA Ambient groundwater monitoring. (SWMU 4)	Unlined pond with a storage capacity of 2.4 million gallons used as a storage basin for radiological wastewater discharged from the New Interceptors before transfer to the Low-Level

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						Waste Treatment System.
2	Lagoon 3 (includes nearby French drain) (30)	Final holding lagoon for decontaminated liquid waste water prior to discharge to Erdman Brook	Final holding lagoon for decontaminated liquid waste water prior to discharge to Erdman Brook	Nuclear - Hazard Category 3	NA Ambient groundwater monitoring. (SWMU 4)	Unlined pond with a storage capacity of 3.3 million gallons and receives treated water from Lagoons 4 and 5. Treated wastewater in Lagoon 3 is periodically discharged to Erdman Brook through a state permitted discharge. A French drain along the northeast side of Lagoon 3 installed to

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						prevent groundwater inflows to the Lagoon was plugged in 2001.
2	Lagoon 4 (31)	Hold treated water for analysis and pH adjustment.	Hold treated water for analysis and pH adjustment.	Nuclear - Hazard Category 3	NA Ambient groundwater monitoring. (SWMU 4)	Geomembrane-lined pond with a capacity of 204,000 gallons that receives treated water from the Low-Level Waste Treatment System and discharges it to Lagoon 3.
2	Lagoon 5 (32)	Hold treated water for analysis and pH adjustment.	Hold treated water for analysis and pH adjustment.	Nuclear - Hazard Category 3	NA (SWMU 4) No Further Action at this time other than groundwater monitoring.	Geomembrane - lined pit with a capacity of 166,000 gallons that receives treated water from the Low-Level Waste Treatment System and discharges it to Lagoon 3.

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2	Neutralization Pit (42)	Mix plant waste waters and route to New Interceptor	Collect process waste waters from MPPB for pH neutralization before transfer through Low Level Waste Treatment System	Less than Nuclear - Hazard Category 3	NA Ambient groundwater monitoring. (SWMU 17a)	800 gallon in ground, stainless steel (SS) lined, open-top tank.
2	Old Interceptor (101)	Used for storing radiologically contaminated liquids that exceed the effluent standard prior to eventual transfer to new interceptor.	Collect process waste waters from MPPB before treatment by Low-Level Waste Treatment system	Less than Nuclear - Hazard Category 3	NA Ambient groundwater monitoring. (SWMU 17a)	37,000 gallon concrete catch basin with specific high-water level alarms.
2	New Interceptors (North and South) (20)	Receive influent from MPPB deconstruction area (dust	Receive influent from plant floor drains and process streams	Less than Nuclear - Hazard Category 3	NA Ambient groundwater monitoring.	Two connected below-grade 25,000 gallon SS-lined tanks.

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		suppression water and precipitation).	before transfer to the Low-Level Waste Treatment System.		(SWMU 17a)	
2	Test & Storage Building (TSB) Slab (60)	None Building demolished and slab remains.	Fabrication shop, support facility, parts storage area, offices	Industrial	NA	80' x 120' x 1' thick concrete slab.
2	Solvent Dike (111)	None	Acted as holding pond; received radioactive tributyl phosphate and n-dodecane contaminated runoff from the plant Solvent Storage Terrace (SST) via floor drain and underground piping	Less than Nuclear - Hazard Category 3	NA Ambient groundwater monitoring. (SWMU 6)	40' x 50' x 4' deep roughly D-shaped, unlined basin located 80' N of north demineralizer sludge pond. Basin excavated and backfilled in 1987, still radioactively contaminated.

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2	Vitrification Test Facility (VTF) (68)	Parts storage area, mock-ups	Test support facility, parts storage area, mock-ups, office area	Industrial	NA	44' x 122' steel I-beam framed structure w/corrugated metal siding, metal roof, and bridge crane.
2	Vitrification Test Facility Waste Storage Area	None Tanks removed and slab remains.	Store tanks associated with Scaled Vitrification System.	Industrial	Subject to RCRA Corrective Action. (SWMU 12/12a)	
2	Maintenance Shop Slab (38)	None Building demolished and slab remains.	Cold maintenance and fabrication work for the plant. Constructed in 1970.	Industrial	NA	60'x 98'x 1' thick concrete slab.
2	Vehicle Maintenance Shop (Vehicle Repair Shop) Slab (64)	None Building demolished and slab remains.	Vehicle Repair Shop	Industrial	NA	30' x 47' concrete slab.

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2	Vitrification Test Facility Substation (30-US-4) (81)	Power distribution and control	Power distribution and control	Industrial	NA	Vintage 1960 facility lacking spare OEM parts that include 3-gang switches, fused disconnect switches, oil circuit breakers, trip coils transformers, steel-framed dead-end structures, and reinforced concrete foundations, etc. Substation located east of the Shipping Depot
2	Maintenance Shop Leach Field (93)	None	Part of facility septic system.	Industrial	Subject to RCRA Corrective Action.	Consists of 3 sand filled septic tanks, distribution box, and leach field. Serviced Test and Storage Building

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					Ambient groundwater monitoring. (SWMU 8)	and Maintenance Shop.
2	Fire Brigade Training Area (84)	None.	Staging of fire-fighter training exercises. Inactive since 1993.	Industrial	NA Ambient groundwater monitoring. (SWMU 27)	Located N of Lagoons 4 and 5; currently a grass-covered area overlying a portion of the Sr-90 plume.
2	WMA 2 Soil Excavation	None	None	Less than Nuclear - Hazard Category 3	TBD	Radiologically impacted subsurface soils and lagoon sediments, all piping, and support structures. Contaminated extents are generally known, detailed soil

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						volumes are undetermined.
3	High-Level Waste (HLW) Tank Farm	Provides safe storage of residual high activity waste in Tanks 8D-1, 8D-2, 8D-3, and 8D-4.	Storage of liquid waste from fuel reprocessing operations. Storage and treatment of liquid waste feeds for CSS, Vitrification Facility	Nuclear - Hazard Category 3	Tanks 8D-1, 8D-2, 8D3, 8D4, Tank and Vault Drying System and STS (inactive) are permitted HWMU's (see below) Ambient groundwater monitoring. (SWMU 13)	Includes 4 underground storage tanks in concrete vaults with pans; leak detection equipment; transfer lines; pumps; pump and valve pits; condensers; ventilation equipment; truss structures; various support buildings, enclosures, storage tents, and containment structures; generators, fuel oil tanks, and walkways; Tank and Vault Drying System

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3	Tank 8D-1 (including in-tank STS components) (114)	Contains in-tank STS components and residual high activity waste.	Storage of HLW, processing of supernatant and sludge wash solutions.	Nuclear - Hazard Category 3	Permitted HWMU. Subject to RCRA unit closure. Ambient groundwater monitoring. Subject to RCRA unit closure. (SWMU 13)	21 m (70 ft) diameter and 8 m (27 ft) high carbon steel tank with a 750,000 gallon capacity. Contained in concrete vault w/ 1'6" walls and 2' roof. Vault top is 6- 8' below grade.
3	Tank 8D-2 (115)	Contains residual high activity waste, pumps, and components.	Storage of HLW.	Nuclear - Hazard Category 3	Permitted HWMU. Subject to RCRA unit closure. Ambient groundwater monitoring. (SWMU 13)	21 m (70 ft) diameter and 8 m (27 ft) high carbon steel tank with a 750,000 gallon capacity. Contained in concrete vault w/ 1'6" walls and 2' roof. Vault top is 6- 8' below grade.

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3	Tank 8D-3 (116)	Liquid waste storage and transfer.	Empty	Less than Nuclear - Hazard Category 3	Permitted HWMU. Subject to RCRA unit closure. Ambient groundwater monitoring. (SWMU 13)	3.7 m (12 ft) diameter, 4.9 m (16 ft) high tank with a 13,500 gallon capacity made of 304L SS. Shares concrete vault w/tank 8D-4.
3	Tank 8D-4 (117)	Contains residual high activity waste	Storage of HLW.	Nuclear - Hazard Category 3	Permitted HWMU. Subject to RCRA unit closure. Ambient groundwater monitoring. (SWMU 13)	3.7 m (12 ft) diameter, 4.9 m (16 ft) high tank with a 13,500 gallon capacity made of 304L SS. Shares concrete vault w/tank 8D-4.
3	Tank and Vault Drying System (T&VDS)	Drying the WTF Tanks and Vaults	NA	Less than Nuclear - Hazard Category 3	Permitted HWMU.	Ventilation system and blowers located in PVS Building

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					Not addressed in RFI.	
3	High Level Waste (HLW) Transfer Trench (19)	None	HLW transfer	Nuclear - Hazard Category 3	Component of Tanks 8D-1 & 8D-2 HWMU. Subject to RCRA closure. Ambient groundwater monitoring. (SWMU 13)	Shielded trench contains HLW transfer lines from tank farm to VF (500 feet long), in addition to the waste header and condensate header lines connecting to the Vitrification Facility, and ventilation lines.
3	Permanent Vent System Bldg. (PVS) (49)	Ventilation of HLW tanks	Ventilation of HLW tanks	Nuclear - Hazard Category 3	NA	Metal frame and sided/roofed structure that maintains operating air flow requirements in Tanks 8D-1, 8D-2, 8D-3, 8D-4, and their vaults,

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						the supernatant treatment system support building, valve aisle, and pipeway.
3	Supernatant Treatment System (STS) Support Building (59)	Support HLW tanks	Support HLW tanks	Nuclear - Hazard Category 3	Permitted HWMU subject to RCRA Unit Closure. Ambient groundwater monitoring. (SWMU 19)	Concrete block and metal sided building located near and above Tank 8D-1. This two-story structure contains equipment and auxiliary support systems needed to operate the Supernatant Treatment System.
3	Equipment Shelter and Condensers	None Building demolished and slab remains.	Support HLW tanks			

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4	Construction and Demolition Debris Landfill (CDDL) (7)	None	Disposal of non-radioactive construction, office, and facility debris; ash from paper incinerator until 1984.	Industrial	NA Ambient groundwater monitoring. (SWMU 1)	The CDDL is a 0.6 ha (1.5 acres), landfill used for the burial of nonradioactive construction, office, and plant waste from 1963 until 1984. Wastes may be impacted by the North Plateau Groundwater Plume where contacting groundwater.
5	Lag Storage Building (LSB) Slab (27)	None Building demolished and slab remains.	Storage of Low Level Waste and Transuranic mixed wastes and PCB wastes.	Industrial	Permitted HWMU. Clean closure documented and approved by NYSDEC. Ambient groundwater monitoring.	140' x 60' concrete slab foundation with a surrounding 6" high concrete curb.

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					(SWMU 16)	
5	Lag Storage Area 1 (LSA-1) Pad (23)	None Building demolished and compacted gravel pad remains.	Storage of radiological wastes	Industrial	NA RCRA closure certification submitted and accepted by NYSDEC. Ambient groundwater monitoring. (SWMU 15)	191' x 55' compacted gravel pad and 14' wide (8" thick) concrete slab which runs lengthwise on the west side of the gravel pad.
5	Lag Storage Area 2 (LSA-2) Pad (24)	Storage of Low-Level Waste and mixed waste	Storage of Low-Level Waste and mixed waste	Industrial	Permitted HWMU. RCRA Clean Closure documented by PE and approved by NYSDEC.	191' x 55' compacted gravel pad.

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					Continue inspections and waste management activities; ambient groundwater monitoring. (SWMU 15)	
5	Lag Storage Area 3 (LSA-3) (25)	Storage of Low Level Waste and mixed wastes	Storage of Low Level Waste and mixed wastes	Nuclear - Hazard Category 3 with stored waste	Permitted storage Unit subject to RCRA Unit closure. Continue inspections and waste management activities and ambient groundwater monitoring. (SWMU 16a)	The LSA-3 is a clear span structure with a pre-engineered frame and steel sheeting measuring 291' x 88' x 40' high, on a 7" thick concrete slab with curbs 6" high around the inside perimeter.

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5	Lag Storage Area 4 (LSA-4) (26)	Storage / preparation for shipping of radiological wastes and mixed wastes	Storage / preparation for shipping of radiological wastes and mixed wastes	Nuclear - Hazard Category 3 with stored waste	Permitted storage Unit subject to RCRA Unit closure. Continue inspections and waste management activities and ambient groundwater monitoring. (SWMU 16a)	LSA 4 is similar to LSA 3, being 291' x 88' x 40' high on a 7" thick concrete slab with curbs 6" high around the inside perimeter. LSA 4 includes a container sorting and packing facility (CSPF), a waste packaging area (WPA), and a covered passageway between LSA 3 and LSA 4. A shipping depot measuring 91' x 85' is attached to the LSA.
5	Container Sorting and Packaging	Waste container sorting area	Waste container sorting area	Nuclear - Hazard Category 3	Facility is a HWMU. Facility subject to	This facility is 40' x 28' feet and constructed of interlocking

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	Facility (CSPF) (9)				RCRA unit closure. Continue inspections and waste management activities, and ambient groundwater. (SWMU # 16a)	modular stainless steel panels that form the outside walls, ceiling, and inner partition walls. The CSPF has a sorting room, drum/box load-in and load-out rooms, and two airlocks. The sorting area contains an overhead bridge crane. A blower room has two ventilation system blowers for sorting operations.
5	Waste Processing Area (WPA) (122)	Assist in sorting of waste boxes and drums	None	Nuclear - Hazard Category 3	Located within LSA #4.	40' x 56' area with 4 airlocks, multiple windows, and; PVU's located

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					Permitted storage Unit subject to RCRA Unit closure. Continue inspections and waste management activities, and ambient groundwater monitoring. (SWMU 16a)	outside LSA-4. Facilities include box tippers, sorting areas, drum crusher, weigh station, box inspection area, clip/lid removal station, air compressor and purification skid.
5	Shipping Depot (145)	Packaging and shipping of radiological wastes and mixed wastes	Depot: Shipping of radiological wastes and mixed wastes	Nuclear - Hazard Category 3	Located within LSA #4. Permitted storage Unit subject to RCRA Unit closure.	The shipping depot is a 91' x 85' metal frame structure connected to LSA 4 and includes a concrete block office area on E side.

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					Ambient groundwater monitoring. (SWMU 16a)	
5	Sample Storage and Packaging Facility (SSPF) Slab (57)	None	Storage and preparation of radiological samples for shipping (for analysis)	Less than Nuclear - Hazard Category 3	NA	25' x 25' concrete floor slab
5	Remote Handled Waste Facility (RHWF)	Process remote handled wastes (Low Level Waste, Mixed Low Level Waste, Transuranic Waste and Mixed Transuranic Waste)	Process remote handled wastes.	Nuclear - Hazard Category 3	Permitted HWMU subject to RCRA closure requirements. Ambient groundwater monitoring. (SWMU 47)	New concrete and steel shielded building completed in 2004. Includes equipment for processing, packaging, characterization, and shipping of remote handled wastes.

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5	Construction and Demolition Area or Concrete Washdown Area	None	Rinsing and removal of residual concrete from cement delivery trucks. Staging of wet concrete until it was set and placed in a dumpster for disposal.	Industrial	NA (SWMU 35)	Shallow ground depression located N of North Parking Lot and S of RHWF.
5	Vitrification Vault/HIC Corral/ Empty Container Hardstand (119)	Storage of radiological waste from Vitrification and MPPB D&D activities. Nuclear criticality staging area. Storage of High-Level Waste tank farm wastes.	Storage of rad. waste from Vit. and MPPB D&D activities.	Nuclear – Hazard Category 3	Used as temporary 90-day storage area for RCRA mixed wastes identified during D&D activities. Waste may include lead, chromium, and/or mercury.	Compacted gravel pad containing 5 pre-fabricated concrete vaults to contain LLW and RH-TRU wastes from D&D of Vitrification Facility and MPPB.

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					No investigations have been performed. Ambient groundwater monitoring to continue. (SWMU 46)	
5	Product Purification Cell Box Storage Area (51)	Storage of waste packages containing radioactive debris.	Radioactive debris storage.	Nuclear - Hazard Category 3	NA	Compacted gravel pad adjacent to the Vitrification Vault/HIC Corral/ Empty Container Hardstand.
5	High Level Waste Tank Pump Storage Vaults (136)	Store HLW mobilization pumps removed from HLW tanks.	Pumps used for HLW mobilization and transfer. Vaults: no previous use - constructed for this purpose.	Nuclear - Hazard Category 3	NA No investigations have been performed. (SWMU 46)	The two vaults contain two 50-ft long mobilization pumps that were removed from Tank 8D-2, the bottom 14-foot section of a third mobilization pump from Tank

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						<p>8D-2, and a 40-ft long transfer pump from Tank 8D-2.</p> <p>All the pumps are contained within metal storage boxes (concrete vaults provide shielding).</p>
5	Old / New Hardstand Storage Area (103)	Storage of low -level non-liquid radioactive waste.	<p>Radioactive equipment storage (NFS).</p> <p>Old hardstand removed from service in 1984. New hardstand is used to store radioactive materials and miscellaneous LLW.</p>	Nuclear - Hazard Category 3	<p>NA</p> <p>Ambient groundwater monitoring.</p> <p>(SWMU 9/9a)</p>	<p>Old Hardstand: 150' x 150' paved asphalt pad slightly elevated above surrounding ground surface and located W of LSA 3 and 4.</p> <p>Pad and some soil removed and used as backfill for Lagoon 1 in 1984.</p>

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						New Hardstand: Compacted gravel pad in the same general area of Old Hardstand.
6	Rail Spur (105)	Waste shipping pathway	Access to railroad system for receiving and shipping materials.	Section with siding Less than Nuclear - Hazard Category 3 Remainder of Rail Spur is Industrial.	NA	Connects to B&P Railroad Line. Siding switch and extra spur located at E side of Old Warehouse. Line extends into FRS Building. The rail spur runs approximately 8,000' to the SE from the FRS to the main line junction.
6	Waste Paper Incinerator Pad (147)	None.	Incinerate paper and packaging waste.	Industrial	NA Ambient groundwater monitoring. (SWMU 10)	10' x 10' concrete pad located under the railroad tracks approximately 350' south the FRS.

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6	Waste Water Treatment Facility (WWTF) or Sewage Treatment Plant (STP) (72)	<p>Treatment of sanitary wastewaters since 1985, non-radiological industrial wastewater since 1994.</p> <p>Currently used to store non-radiological wastewater (gray and black water) for off-site disposal.</p>	Treatment of sanitary wastewaters since 1985, non-radiological industrial wastewater since 1994.	Industrial	<p>NA</p> <p>Remains in use.</p> <p>(SWMU 33)</p>	<p>41' x 44' x 15' high wood framed structure with steel siding and roofing built upon a concrete floor slab.</p> <p>Contains six in-ground concrete tanks, one above-ground polyethylene tank, and an above-ground stainless steel tank.</p> <p>Wastes are accumulated and stored for off-site disposal.</p>
6	Demineralizer Sludge Ponds (79)	<p>None.</p> <p>Basins contain</p>	Received backflush solutions from MPPB water	Less than Nuclear - Hazard Category 3	<p>NA</p> <p>Subject to RCRA</p>	Two unlined basins each 50' x 100' x 5' deep.

WMA	Facility (ID#)	Current Use	Previous Use	Facility Type	Current RCRA Status Permitting/ Corrective Action	Facility Construction
		invasive vegetation.	demineralizer, softener, and clarifier. Inactive since June 1994.		Corrective Action. Ambient groundwater monitoring continues. (SWMU 5)	Headwall and drain pipe located at E end of each. Discharged through weir box and underground piping to SPDES-permitted outfall 005.
6	Rail Packaging and Staging Area (54)	Staging area for waste packages destined for offsite rail transport.	Staging area for waste packages destined for offsite rail transport	Industrial	NA	Compacted gravel pad capped with a 24' x 90' x 9' thick concrete pad.
7	Nuclear Regulatory Commission-Licensed Disposal Area (NDA)	None	Disposal of NFS fuel reprocessing waste and early WVDP wastes (plant process mechanisms and decontamination wastes).	Inactive Waste Site (IWS)	NA Ambient groundwater monitoring, interceptor trench operation, and cap maintenance as necessary.	370' x 600' (~5-acre) disposal area located on the south plateau. Contains 237 deep and special holes used by NFS, and 12 trenches and 4

WMA	Facility (ID#)	Current Use	Previous Use	Facility Type	Current RCRA Status Permitting/ Corrective Action	Facility Construction
					(SWMU 2)	caissons used by WVDP. The NDA covered by an engineered geo-membrane, an up-gradient sub-surface soil bentonite barrier wall, and down-gradient leachate interceptor trench.
7	NDA Interceptor Trench (40)	Collect groundwater from NDA area prior to treatment at the LLW2	Collect groundwater from NDA area prior to treatment at the LLW2	Less than Nuclear - Hazard Category 3	NA Ambient groundwater monitoring and interceptor trench operation. (SWMU 23)	4' wide x 875' long x 12-16' deep gravel filled trench equipped with a drain pipe that directs groundwater and leachate to a central concrete sump that is pumped via the leachate transfer

WMA	Facility (ID#)	Current Use	Previous Use	Facility Type	Current RCRA Status Permitting/ Corrective Action	Facility Construction
						line to the LLW2 for treatment.
7	Leachate Transfer Line (91)	Transfer water from NDA interceptor trench to Lagoon 2.	Transfer leachate and liquids from SDA lagoons to Lagoon 1.	Less than Nuclear - Hazard Category 3	NA Ambient groundwater monitoring and interceptor trench operation. (SWMU 23)	Below grade 4,000-footlong, 2” PVC pipe from the NDA to Lagoon 2 in WMA 2.
7	NDA Hardstand/ Staging Area (41)	None	Staging of radiological wastes prior to burial in NDA.	Industrial	NA Continue ambient groundwater monitoring. (SWMU 39)	A 20’ x 20’ radioactively contaminated gravel pad covered with herculite and additional gravel designed to shed stormwater and limit infiltration.
9	NDA Trench Soil Container Area (98)	None	Staging for LLW and contaminated soil roll-offs	Industrial	NA NFA at this time; areas	Two gravel-pad areas located S of NDA and W of NDA across the

WMA	Facility (ID#)	Current Use	Previous Use	Facility Type	Current RCRA Status Permitting/ Corrective Action	Facility Construction
			from NDA Interceptor Trench project.		available for future use (SWMU 31)	existing roadways.
9	Radwaste Treatment System (RTS) Drum Cell (11)	Supports preparation and inspection of Phase 1A Intermodals	Storage of cement solidified LLW drums removed in 2007	Less than Nuclear - Hazard Category 3	NA NFA at this time; facility available for future use. (SWMU 21)	375' x 60' x 26' high steel Frame/metal sided building built on a base pad, concrete shield walls, remote handling equipment, and a control room. Base pad consists of concrete blocks on a layer of compacted crushed stone underlain by geotextile and compacted clay.

WMA	Facility (ID#)	Current Use	Previous Use	Facility Type	Current RCRA Status Permitting/ Corrective Action	Facility Construction
10	New Warehouse (43 and 69)	Materials storage, office space, tool crib, respirator cage, and site meeting room.	Materials storage; SWMU 43 - 90-Day storage area for hazardous wastes, industrial wastes, and materials, batteries, and recyclables	Industrial	Used as 90-day storage area. NFA at this time; facility available for future use. SWMU #43)	80' x 250' x 21.5' high steel building (frame, siding, roofing) that rests on concrete piers and a poured concrete foundation wall.
10	Meteorological Tower (95)	Used to collect wind direction, wind speed and temperature data at both the 197-foot and 33-foot (10-m) elevations.	Used to collect wind direction, wind speed and temperature data at both the 197-foot and 33-foot (10-m) elevations.	Industrial	NA	On-site: 197-foot (60-m) steel tower with three support columns anchored with five support cables on a concrete support foundation
10	Security Guardhouse and Fences (109)	Site Security	Site Security	Industrial	NA	New facility replaced original Guardhouse

WMA	Facility (ID#)	Current Use	Previous Use	Facility Type	Current RCRA Status Permitting/ Corrective Action	Facility Construction
12	Live Fire Range	Site security support	Site security support	Industrial	NA	400' x 100' grassy training area with potential for lead and propellant impacts.
	Monitoring Wells/Stations	Monitoring of groundwater, surface water, air, radiological dose, etc. to support Environmental Monitoring Program. Also includes Bioventing system.	Monitoring of groundwater, surface water, air, radiological dose, etc. to support Environmental Monitoring Program. Also includes Bioventing system.	Industrial	NA	Inventory and maintenance of RCRA-required groundwater monitoring wells, decommissioning of obsolete monitoring wells, maintenance of other monitoring stations (e.g., surface water and air), and maintenance of operating remedial systems (e.g., Bioventing).
	Dams and Reservoirs (Lakes)	Surface water control and supplement SPDES	Surface water control and SPDES discharge	Industrial	NA	Two water supply reservoirs. The south reservoir (Lake 1) is

WMA	Facility (ID#)	Current Use	Previous Use	Facility Type	Current RCRA Status Permitting/ Corrective Action	Facility Construction
		discharge augmentation water supply.	augmentation water supply system.			<p>impounded by a 75-foot high earthen dam with auxiliary spillway.</p> <p>The north reservoir (Lake 2) is impounded by a 50-foot high earthen dam that includes a pump house, primary spillway culvert, and transfer lines.</p>
	Well Purge water storage locations	Containers staged at various locations for storage of groundwater monitoring well purge water.	Containers staged at various locations for storage of groundwater monitoring well purge water.	Industrial	<p>NA</p> <p>NFA at this time.</p> <p>(SWMU 34)</p>	Two (2) 55-gallon steel drums with 52-gallon poly liners and 1 polyethylene tank staged in several locations.

Abbreviations:

bldg building

CSS	Cement Solidification System
CUP	Cask Unloading Pool
E	East
ft	feet (unit of length)
FRS	Fuel Receiving and Storage
HLW	High Level Waste
HWMU	Hazardous Waste Management Unit
LLW	Low Level Waste
MPPB	Main Plant Process Building
MSM	Master Slave Manipulator
N	North
NA	not applicable
NE	Northeast
NFS	Nuclear Fuel Services
NP	North Plateau
NW	Northwest
PVU	Portale Ventilation Unit
S	South
SE	Southeast
STS	Supernatant Treatment System
SW	Southwest
SWMU	Solid Waste Management Unit
VF	Vitrification Facility
W	West
WMA	Waste Management Area