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APPENDIX B

SUMMARY DESCRIPTIONS OF WASTE SITES IN THE 200-SW-1 AND 200-SW-2 NONRADIOACTIVE AND RADIOACTIVE LANDFILLS AND DUMPS OPERABLE UNITS

The tables in this appendix contain descriptions of the 131 waste sites within the 200-SW-1 Nonradioactive Landfills and Dumps Operable Unit (OU) and the 200-SW-2 Radioactive Landfills and Dumps OU. Table B-1 shows the waste sites that were reclassified as "Rejected" or "No Action" sites in the *Waste Information Data System* (WIDS) before or during the data quality objectives process (WMP-22210, *Remedial Investigation Data Quality Objectives Summary Report for the 200-SW-1 and 200-SW-2 Operable Unit Waste Sites*) for these OUs. Table B-2 is divided into three sections, each addressing one of the three bins described in the text of the work plan.

The information given in the tables is as follows:

- **Site Code:** Identifying code assigned to the waste site by WIDS
- **OU:** Operable unit in which the site resides
- **Site Name:** Name(s), and aliases if any, by which the site is known
- **Location:** General description of where the site is located relative to better-known Hanford Site landmarks
- **Dates of Operation:** Dates the site actively received waste
- **Source Facility:** Facility generating the waste
- **Contaminant Inventory/Volume Released:** Amount and type of waste inventory
- **Depth:** Maximum depth and/or height of waste site
- **Waste Site Dimensions:** Area of waste site in terms of length and width
- **General Description:** Description of the waste site, what it contains, whether waste is on the surface or buried, whether any special structures exist, any special history or stabilization notes, any other pertinent information.

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Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-E PAP	SW-1	200-E PAP, 200-E Powerhouse Ash Pit and Ash Disposal Pile, Ash Basin	South of 4th St and 30 m (100 ft) east of 284-E Powerhouse. The Ash Disposal Pile is located east of the Ash Pit	1943 to 1997	284-E Powerhouse	1 m (3 ft) in depth (sitewide) of ash	N/A	107 by 98 m (350 by 320 ft)	The ash pit is a large depression divided into two sections by an earthen dam that received an ash/water slurry from the 200 East Powerhouse, which used three coal-fired boilers to generate steam. When a pit compartment became full, heavy equipment was used to move the dried ash from the pit to the Ash Disposal Pile east of the pit. Samples of ash were collected in early 1990s, and the ash was determined to be nonradioactive/nonhazardous. TCLPs were below regulatory limits, and pH ranged from 7.66 to 11.91, with an average value of 9.27. In April 2000, the site was activated to receive demolition waste; however, the site was not used for the intended purpose and was inactivated in November 2002. NO ACTION.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-E-10	SW-1	200-E-10, Paint/Solvent Dump South of Sub Trenches, 200-E-3 Toluene Dump Site	Adjacent to a berm on the north end of the AN Tank Farm and west of Canton Ave inside 200 East Area	N/A	Toluene/ liquid waste from painting activities	190 L (50 gal) of waste from painting	N/A	9 by 9 m (30 by 30 ft)	Two WIDS entries have been made for this site (200-E-3). Two ICF-KH painters reported liquid waste from painting activities were disposed to the ground in a pit north of AN Tank Farm (south of the submarine trenches). One painter recalled dumping approximately 95 L (25 gal) of liquid in one visit and another 95 L (25 gal) in a second visit. The exact location of the liquid dumping within the pit is not known. The bottom of the pit is "hard pan" soil, while the sides are a sandy-gravel consistency. The site is not marked or posted. NO ACTION. (NOTE: 200-E-3 was consolidated into 200-E-10 before the site was designated as No Action.)

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-E-12	SW-1	200-E-12, Sand Piles from RCRA General Inspection 200EFY95 Item #5	Inside 200 East Area, southwest of PUREX. Site is along a dirt road that runs north from 1st St, about 0.8 km (0.5 mi) west of the intersection of 1st St and Canton Ave; ~0.5 km (~0.3 mi) north of 1st St	N/A	N/A	N/A	N/A	68.4 by 20.7 m (224.4 by 68 ft)	This site was discovered in a 1995 site inspection and was described as two sandy areas that are a different color sand than the surrounding sand. The site contains the remains of an ecological experiment. The site previously contained two large polypropylene water tanks, a large rectangular pit, and a metal frame set up over the pit. The tanks were labeled "Non Hazardous River Water" and appeared (in 1998) to be approximately one-half to three-quarters full. A stainless steel tank also is on the site. This "X-12" tank is still there, sitting on a wooden pallet. The two large polypropylene tanks observed in 1998 are now (2004) gone. The space on which they were located is occupied by wood debris and PVC pipe. The large rectangular pit has been filled in. What appears to have been the metal frame over the former pit is now lying on the ground to the north. A cylinder of compressed nitrogen is within 2 m (6.6 ft) of the south sand pile remnant. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-E-20	SW-2	200-E-20, 218-E-10 Borrow Pit	Inside 200 East Area, adjacent to the north end of the 218-E-10 Burial Trenches; near corner of 12th St and Akron Ave	1980	N/A	None	N/A	N/A	The site is a shallow, scraped area located north of the east end of the 218-E-10 Burial Ground. The site is included within the area originally reserved for the 218-E-10 Burial Ground. The site is posted with signs that read "Do Not Enter - 218-E-10 Burial Ground - Authorized Personnel Only." The borrow pit has revegetated naturally. In 1980, clean backfill material was taken from this area to surface stabilize the eastern 10 ha (25 acres) of the 218-E-10 Burial Ground. No waste has been placed into the pit. Only clean backfill material has been removed. REJECTED.
200-E-21	SW-2	200-E-21, 218-E-12A and 218-E-12B Borrow Pit, Pit 33, 200-E-22	The Borrow Pit is located west of the 218-E-12A Burial Ground and south of the 216-B-2 Covered Ditches	1979	N/A	None	N/A	N/A	The 218-E-12A/218-B-12B Borrow Pit is a large, scraped area located west of the 218-E-12A Burial Ground and south of the 216-B-2 Covered Ditches. The site is not marked or posted. Clean backfill material from this borrow pit area was used on the 218-E-12A and 218-E-12B Burial Grounds. The 218-E-12A Burial Ground initially was surface stabilized with material from this borrow pit in 1980. The southeast portion of the 218-E-12B Burial Ground was surface stabilized with material from this borrow pit in 1981. Additional backfill material was added to the burial grounds from this borrow pit in 1994. No waste has been placed into the borrow pit. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-E-3	SW-1	200-E-3, Toluene Dump Site, 200-E-10 Paint/Solvent Dump	Adjacent to a berm on the north end of the AN Tank Farm and west of Canton Ave inside 200 East Area	N/A	Toluene/liquid waste from painting activities	~190 L (~50 gal) Toluene solvent	N/A	9 by 9 m (30 by 30 ft)	Two WIDS entries have been made for this site (200-E-3, 200-E-10). The exact location of the liquid dumping within the pit is not known. The bottom of the pit is "hard pan" soil, while the sides are a sandy-gravel consistency. The site is not marked or posted. REJECTED. (NOTE: The site, as 200-E-10, was reclassified as No Action after consolidation.)
200-E-47	SW-1	200-E-47, RCRA Permit General Inspection #200EFY96 Item #7	200 East Area ~600 m east-southeast of 12th St and east of Akron Ave; just east of a north-south dirt powerline road; west of the BX/BY Tank Farms	N/A	N/A	N/A	N/A	N/A	The site is a small pile of scrap steel angle iron, sheet metal, and piping, discovered during an annual RCRA General Inspection from July 15 to 16, 1996. The surrounding area is covered with tumbleweeds, cheat grass, and sagebrush. However, the soil on top of the metal is bare because of the inability of vegetation to grow on the very shallow soils covering the metal. REJECTED.
200-E-48	SW-1	200-E-48; RCRA Permit General Inspection #200EFY96 Item #15	200 East Area ~30 m (~100 ft) northeast of the 207 B Retention Basin	N/A	N/A	N/A	N/A	N/A	The site is an abandoned steel I-beam 9 m (30 ft) long and 0.3 m (1 ft) wide. The site is not marked or posted. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-E-52	SW-1	200-E-52, 200 East Powerhouse Coal Pile	South of the 284-E Powerhouse and east of the coal ramp	1944 to 1998	Coal for 284-E Powerhouse	A layer of coal dust remains on the surface of the area	3 m (9.8 ft)	160 by 100 m (525 by 328 ft)	Large piles of coal were stored at this site and used to fuel the 284-E Powerhouse, which used three coal-fired boilers to generate steam. Samples of remaining coal dust were taken in 1994 and 1996. Both sampling efforts concluded that the materials were nondangerous. In April 2002, Fluor Hanford gave DYN permission to use the site as a demolition landfill. The site again was designated as inactive in November 2004. Large metal debris including a grate, I-beam, and cover over the conveyor belt feeding the 284-E Powerhouse are located at the east end of the site. NO ACTION.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-W CSLA	SW-1	200-W CSLA, 200-W Construction Surface Laydown Area, Non-Rad Burial Ground, Construction Surface Laydown Area	200 West Area, near southeast corner of the 16th St and Beloit Ave intersection	1945 to 1950	N/A	N/A	N/A	122 by 53 m (400 by 173.8 ft)	The site is an old unmarked construction laydown area. The 216-U-17 Crib is located at the northwest corner of this site. There is evidence of scattered miscellaneous debris on the surface of the vacant area south and east of the 216-U-17 Crib. A meeting with site personnel in 1987 before the 216-U-17 Crib was constructed confirmed the area had been used as a laydown area to support construction activities at U Plant. The debris located over the new crib site was bladed off during construction. This site was used to dispose of unusable valves, piping, and other plumbing materials. Angle iron, crushed cans and drums, rusty wire, and metal frames were noted on the surface in 1997. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-W PAP	SW-1	200-W PAP, 200-W Powerhouse Ash Pit	South of 284-W Powerhouse, west of Beloit Ave, and north of 19th St	1943 to 1995	284-W Powerhouse	Ash and clean backfill material	7.6 m (25 ft)	61 by 30 m (200 by 100 ft)	The ash pit received an ash/water slurry from the 284-W Powerhouse, which used three coal-fired boilers to generate steam. When a pit became full, heavy equipment was used to remove the dried ash from the pit to the Ash Disposal Pile east of Beloit Ave. Samples of ash were collected early 1990s, and the ash was determined to be nonradioactive/nonhazardous. TCLPs were below regulatory limits, and pH ranged from 7.66 to 11.91, with an average value of 9.27. In November 2002, the site was activated and received ~7,650 m^3 (10,000 yd^3) of clean soil from the L-338 drain field project. NO ACTION.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-W-10	SW-1	200-W-10, Item 10 (RCRA General Inspection), Grout Wall Test	Southeast of 221-U Building, north of 13th St, and ~61 m (~200 ft) north of 201-W Facility; ~250 m (~800 ft) north to end of dirt road	1976 to 1977	Grout testing	11,578 L (3,059 gal) sodium silicate; 2467 L (652 gal) formamide; 20.2 kg (44.5 lb) calcium chloride	5 m (17 ft)	5 by 4.6 m (16 by 15 ft)	The area was used in 1976 for a grout wall test. The test was designed to simulate a 10-ft diameter tank with the bottom (10 ft) bgs. Grout was injected into the soil through wells in a circular pattern around the tank. The tank was excavated. A grout floor was poured in the excavation. Tests were performed to test if this technology could minimize or control leaks from underground waste storage tanks. Later, the excavation was covered to grade, and wooden planks were laid on top. Debris of wire, metal, and wood are present. In 1997, the wooden planks were pushed into the excavation and covered with clean fill. NO ACTION.
200-W-103	SW-1	200-W-103, 201-W Concrete Silo	200 West Area, north side of 13th St near Albany Ave, inside the 201-W Facility fence	N/A	N/A	No waste received	N/A	4.9 by 2.4 m (16 by 7.8 ft)	The silo was constructed as a feasibility test for aboveground, dry waste storage. No waste ever was stored at this site. The test consisted of observing the durability of the concrete silo and the steel liner as it was exposed to the elements over time. The silo has been abandoned. The electronic sensors embedded into the concrete no longer are functioning. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-W-17	SW-1	200-W-17, S-Plant Project W-087 Aluminum Silicate Discovery	Southwest of 202-S (REDOX) and 120 m (394 ft) north of 10th St, along the dirt road that runs outside the REDOX exclusion area fence	N/A	N/A	Aluminum silicate	0.8 m (0.25 ft)	1 by 0.3 m (3 by 1 ft)	The pipe trench has been backfilled to grade. A single, unmarked, steel post indicates the location of the excavation. Associated structures include the 200-W-1 and the 200-W-87 pipelines. A sample of white material at the excavation site indicated the material was aluminum, silicon, and bentonite clay. Literature indicates the aluminum silicate may have been released to the site in July 1955 from the 200-W-1 Mud Pit. REJECTED.
200-W-18	SW-1	200-W-18, S-Plant Project W-087 Aluminum Oxide Discovery	West of 202-S (REDOX) on the west side of the dirt road running outside the REDOX exclusion area fence	N/A	N/A	Aluminum oxide	N/A	3 by 0.1 m (10 by 0.4 ft)	The pipe trench has been backfilled to grade. A single, unmarked, steel post indicates the location of the excavation site. Associated structures include the 200-W-1 and the 200-W-87 pipelines. A sample of white material at the excavation site indicated the material was aluminum, oxide, and calcium. Literature indicates the aluminum oxide may have been released to the site in July 1955 from the 200-W-1 Mud Pit. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-W-30	SW-2	200-W-30, 218-W-1A Borrow Pit	Northeast of 218-W-1A Burial Ground and adjacent to east boundary of the 218-W-6 Burial Ground	1983	N/A	None	N/A	N/A	The site is a shallow, scraped area adjacent to the east side of the area designated as the 218-W-6 Burial Ground. The area has been revegetated with grasses. The borrow pit is not marked or posted. Clean backfill material was taken from the 200-W-30 Borrow Pit in 1983 to stabilize the surface of the 218-W-1A Burial Ground. No waste was placed in the borrow pit. REJECTED.
200-W-31	SW-2	200-W-31, 218-W-2A Borrow Pit	West of Dayton Ave and north of 23rd St, west of 218-W-3 Burial Ground	1980	N/A	None	N/A	N/A	The area that was used for backfill material for the 218-W-2A stabilization currently is underneath the southern portion of the 218-W-5 Burial Ground. The borrow pit no longer is visible. Clean backfill material was removed from this borrow pit in 1980 and used to stabilize the surface of the 218-W-2A Burial Ground. REJECTED.
200-W-32	SW-2	200-W-32, 216-Z-19 Borrow Pit	The borrow pit was located north of 16th St, west of the 216-Z-20 Crib. The soil was taken from an area that is now the eastern part of the 218-W-4C Burial Ground	N/A	N/A	None	N/A	N/A	The site no longer is visible. This site is located under the 218-W-4C Burial Ground eastern extension. Clean backfill material was taken from this area and used to stabilize the surface of the 216-Z-19 Ditch. No waste was placed in the borrow pit. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-W-35	SW-1	200-W-35, Various sites north of 201-W, 200-W-35-A Infiltration Test Site, 200-W-35-B Bentonite Slurry Test Site, 200-W-35-C Buried Garbage Can with Lid	North of 13th St and west of Albany Ave in an empty field. Access is via a dirt road north of the 201-W Facility fence.	N/A	N/A	Miscellaneous debris	N/A	18 by 9 m (60 by 30 ft)	During the late 1970s and early 1980s, this site was used for testing various technologies including equipment to support ARCO testing new equipment and processes for waste management operations; grout testing; conductivity/leak detections; and other unknown soil investigations. A 1995 site investigation identified a shallow excavated area, a pit covered with plywood, and a vertically buried garbage can with the lid at surface level. The Bentonite Slurry Test Pit (200-W-35 B) and buried garbage can were buried in 1997. This site is not marked. NO ACTION.
200-W-4	SW-1	200-W-4, U-Farm Landfill	Near the corner of 16th St and Camden Ave outside the south fence of U Tank Farm	1992	N/A	N/A	N/A	N/A	The site was a small trench excavation containing a yellow paint-like substance, 2.5 cm (1 in.) in thickness. The material proved to be nonradioactive after a radiological survey. Samples collected were found to contain lead, cadmium, and chromium. The material was removed. The area is not marked and is no longer visible from the surface. NO ACTION.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-W-41	SW-1	200-W-41, Abandoned Drums	200 West Area ~200 to 300 m (~660 to 980 ft) east of T Plant, between Beloit Ave and Albany Ave and north of 23rd St	Unknown to 1999	N/A	Miscellaneous debris	N/A	N/A	In August 1996, the site was described as a single 190 L (50-gal) carbon tetrachloride drum and two 114 L (30-gal) Trysben (herbicide) drums. The drums showed no evidence of contaminating the surrounding soil. A hole was observed near the bottom of the carbon tetrachloride drum. A site investigation done in September 1996 found only two drums at this location. The 114 L (30 gal) Trysben weed killer drum was in good condition and was completely sealed. The drums were removed in September 1999. NO ACTION.
200-W-5	SW-2	UPR-200-W-8, UN-200-W-8, 200-W-5, Old Burial/Burning Pit, U-Plant Burning Pit/ Burial Ground	East of 221-U Building, adjacent to corner of Beloit Ave and 16th St	1950	N/A	N/A	N/A	130 by 30 m (425 by 100 ft)	Duplicate of UPR-200-W-8 in Bin 1. Fission products were discovered at the site with ~1 Ci and a maximum dose rate of 45 rad/h at the surface. In 1950, the contaminated area was covered with 3 m (10 ft) of soil and posted with Underground Contamination signs. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
200-W-62	SW-1	200-W-62, 200 West Powerhouse Coal Pile	West of the 284-W Powerhouse and south of the coal ramp conveyor belt	1944 to 1995	Coal for 284-W Powerhouse.	A layer of coal dust remains on the surface of the area.	N/A	119 by 85 m (390 by 280 ft)	Large piles of coal were stored at this site and used to fuel the 284-W Powerhouse, which used three coal-fired boilers to generate steam. Samples of the coal dust remaining were taken in 1994 and 1996. Both sampling efforts concluded that the materials were nondangerous. In April 2000, Fluor Hanford gave DYN permission to use the site as a demolition landfill. The site was not used for this purpose, and again was designated as inactive in November 2002. The north side is bordered by a concrete wall. A wooden structure nearby covers the hole used to feed the coal to the conveyor belt. NO ACTION.
200-W-68	SW-1	200-W-68, RCRA General Inspection Report 200WFY99, Item #3, Historic Disposal Site	~25 m west of Albany Road and 130 m north of 13th St, and is visible from the road	N/A	N/A	N/A	N/A	4.6 by 3 m (15 by 10 ft)	The site contains rusted electrical equipment. The material includes conduit, a light reflector, a space heater, a vent pipe, a little broken glass, and some pieces of charcoal. None of the equipment would have held liquids such as cooling oils or PCBs. One rock appears to have been fire cracked, but there is no discoloration of the soil. The vegetation at the site matches the surrounding area. REJECTED.
200-W-70	SW-1	200-W-70, 200 West Original Burn Pit, 2731 Burning Pit	The burn pit was located southeast of the 231-Z Facility; just outside the Z Plant fenced area, west of 234-5Z Facility	1944 to 1949	N/A	N/A	3 m	27.4 by 27.4 m (89.9 by 89.9 ft)	The open pit was used by the construction forces for burning noncontaminated scrap lumber and miscellaneous debris. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
218-E-3	SW-2	218-E-3, Construction Scrap Pit	Extreme southwest corner of 200 East Area, north of Highway 4 South; north of 1st St and east of Akron Ave	1954 to 1971	N/A	N/A	N/A	25.3 by 12.8 m (83 by 42 ft)	The pit received metal slip forms, barrels, and timbers from the construction of the 202-A Building, which had become contaminated with ^{106}Ru due to fallout from a REDOX stack emission contamination spread in 1954. In February 1971, the pit was uncovered. Radiological surveys found no detectable alpha, beta, or gamma activity on the contents or the soil (^{106}Ru has a 368-day half-life). The site was removed from radiation zone status (ARH-2015). Documents written later (RHO-CD-673; PNL-6456) state that the site was exhumed, but no date of exhumation is provided. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
218-E-6	SW-1	218-E-6, B Stack Shack Burning Pit, Buried Contamination	Originally, the site (burn pit) was located in the southeast corner of the 221-B Exclusion Area ~94 m (~300 ft) south of 221-B Building.	1955	N/A	N/A	1.2 m	N/A	At one time, the site was a burn pit that was used to burn wooden items removed from the 291-B stack area during cleanup of the 221-B Exclusion Area. The contaminated material then was burned, and the remaining ashes were covered with soil. The site was excavated to determine the remaining activity. Pieces of partially burned wood and ashes were uncovered at a depth of 1.2 m (4 ft). Radioactivity was non-detectable. The zone was released from Radiation Zone status in 1972. According to the documentation, the site has been exhumed and the contents removed to a 200 East Area burial ground. NO ACTION.
218-W-6	SW-1	218-W-6 Burial Ground	Northeast of Burial Ground 218-W-3AE	Never used	Never used	Never used	N/A	N/A	ACCEPTED, and contained within the boundaries of the LLBG TSD, but never has received, and is not planned to ever receive, waste.
600 BPHWSA	SW-1	600 BPHWSA, 600 Area Batch Plant HWSA, Hazardous Waste Storage Area (607 Batch Plant)	Between 200 East Area and 200 West Area at the abandoned Batch Plant (Building 607) north of Route 3	1984	N/A	N/A	N/A	9.1 by 9.1 m (29.8 by 29.8 ft)	The accumulation area is reported to be in the area that is fenced with chain link and adjacent to the 607 Building, but the specific location within the fenced area is not known. While the area south of the vacant 607 Building is still fenced and locked (April 2000), the entire fenced area is visible enough to determine that no wastes remain. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
600 ESHWSA	SW-1	600 ESHWSA, 600 Area Exploratory Shaft Hazardous Waste Storage Area, Hazardous Waste Storage Area (Exploratory Shaft)	At Exploratory Shaft Facility, west of 200 West Area and southeast of the Yakima Barricade, near Army Loop Road	1983 to 1988	N/A	N/A	N/A	N/A	This site is at the former site of the Exploratory Shaft Facility. This facility has been decommissioned and reclaimed. No visual evidence of the site remains, but the specific location is not known. REJECTED.
600-223	SW-1	600-223, Military Camp South of 200W, H-50 Gun Site Pit	South of the 200 West Area, 0.6 km (0.4 mi) east of the Rattlesnake Gate, and south of Army Loop Road. The pit is located in the southern portion of the H-50 Gun Site just north of the septic tank.	? to 1958	N/A	No waste	N/A	10.4 by 7.6 m (34 by 24.9 ft)	Fence posts and barbed wire are visible on the northwest corner of the pit. A sanitary sewer manhole is located just south of the pit. The pit is empty. A plastic orange fence surrounds the pit to warn of falling danger. There is no evidence of spills or other hazardous material in the pit. REJECTED.
600-236	SW-1	600-236, Soil cell 607 Site; Petroleum Contaminated Soil	Between the 200 East Area and 200 West Area, ~300 m (~1,000 ft) east-northeast of the 200 Area Fire Station	1994 to 1995	Project L-044 Hanford Infrastructure Underground Storage Tank removal efforts in 200 East and 200 West Areas	Petroleum-contaminated soil	0.3 m (1 ft)	54 by 34 m (178 by 112 ft)	The site was a treatment facility for petroleum-contaminated soil. The site is lined with black plastic/polyethylene liner and bermed at the sides. The contaminated soil is placed on top. Sampling was conducted to determine if the petroleum concentrations had diminished below WAC 173-340-745 cleanup levels. Proposed to Ecology as a REJECTED site; approval is still pending as of publication date of this work plan (December 2004).

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
600-25	SW-2	600-25, Susie Junction	North of 200 West Area near Gable Butte railroad junction south of Gable Butte	N/A	N/A	N/A	N/A	N/A	The site consists of a gravel pit, disposal pit, ash pile, and several waste piles at "Susie Junction," where two railroad tracks intersect. Wastes identified at the unit include four to five drums, rubber boots, canvas gloves, laundry, brooms, tools, hoses, nails, cans, miscellaneous debris, and a fluffy white fibrous material. This is a DUPLICATE of 600-38.
600-266	SW-1	600-266, Trash Dump West of Gate 117A	~50 m (~150 ft) northwest of Highway 240, ~300 m (~1,000 ft) west of Gate 117A	N/A	N/A	N/A	N/A	20 by 20 m (65.6 by 65.6 ft)	Already cleaned up. This site was discovered after the June 2000 Hanford Site fire. Large sagebrush had been concealing the debris. Mostly pieces of metal debris were visible, with some glass, cinder blocks, and transite. The debris was removed within a month after the fire exposed it. REJECTED.
600-268	SW-2	600-268, 200 East Pipe Yard Drum Accumulation Area, Pipe Laydown Yard Accumulation Area	North of the 200 East Area 810 gate, inside the 200 East Pipe Laydown Area	1995 to 1998	200 West Area Well Maintenance	17, 55-gal drums of sand, solids, and slurry including carbon tetrachloride (F001)	N/A	15 by 15 m (50 by 50 ft)	The site consists of a storage area and a laydown yard that are enclosed by a 2.4 m (8-ft) chain link fence. A 90-day storage pad was located in the northeast corner of the fenced area. The 90-day storage pad stored 17 drums of mixed and radioactive waste from well maintenance activities generated between 1993 and 1996. The last drum was removed in May 1998 according to DOE/RL-2001-07 in accordance with WAC 173-303-610(2) standards. Weekly inspections were conducted and logged. No spills or leaks were recorded. REJECTED.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
622-1	SW-1	622-1, Construction and Demolition Debris	South of the intersection of 16th St and Albany Ave outside the perimeter fence of the 200 West Area	N/A	N/A	N/A	N/A	5,277 m^2 (56,801 ft^2)	Already cleaned up (1993). This site contained construction and demolition debris with evidence of asbestos and other hazardous materials such as metals in paint. All material has been removed and the site sampled for radioactivity, asbestos, and organics. The site is no longer marked or posted. REJECTED.
UPR-200-E-106	SW-1	UPR-200-E-106, Contamination at a Burning Ground, UN-200-E-106	Unknown	September 5, 1946	Control Laboratory	Radiologically contaminated towels	N/A	N/A	Radiologically contaminated towels from the Control Laboratory were found in one of the "burning grounds." The exact location has not been confirmed. REJECTED.
UPR-200-E-23	SW-2	UPR-200-E-23, Burial Box Collapse at 218-E-10, UPR-200-W-158	Release occurred at 218-E-10 Burial Ground; contamination spread east and southeast up to 3 mi (4.8 km) beyond the 200 East Area perimeter fence	June 10, 1960	PUREX F-11 and H-4 tube bundles	Wooden boxes of spent PUREX tube bundles and contaminated soil	N/A	N/A	The unplanned release (UPR-200-E-23) occurred at the 218-E-10 Burial Ground when large boxes of contaminated PUREX equipment collapsed and spread contamination. The maximum dose rate at the box was 5 rad/h (100 ft) from the box. The box was covered partially with soil. Airborne contamination from the broken box spread to ~1,000 c/min outside of the 200 East Area fence line (UPR-200-E-24). REJECTED (CONSOLIDATED).

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
UPR-200-E-24	SW-2	UPR-200-E-24, Contamination Plume from the 218-E-10 Burial Ground, UN-200-E-24	Contamination spread from 218-E-10 Burial Ground to 3 mi (4.83 km) beyond the 200 East Area perimeter fence	June 10, 1960	PUREX F-11 and H-4 TUBE bundles	Wooden boxes of spent PUREX tube bundles and contaminated soil	N/A	N/A	An unplanned release (UPR-200-E23) occurred at the 218-E-10 Burial Ground when large boxes of PUREX equipment collapsed and spread contamination. Airborne contamination from the broken box spread to ~1,000 c/min outside of the 200 East Area fence line (UPR-200-E-24). REJECTED (CONSOLIDATED).
UPR-200-E-30	SW-2	UPR-200-E-30, Contamination Within 218-E-12A, UN-200-E-30	The release occurred within 218-E-12A Burial Ground	April 20, 1961	N/A	Process jumpers and contaminated soil	N/A	Area of 37,161 m^2 (400,000 ft^2)	A wooden burial box containing 82 highly contaminated process jumpers collapsed as it was covered with soil in the 218-E-12A Burial Ground. Maximum contamination of 50 rad/h was spread over a (400,000 ft^2) area. The burial ground has been surface stabilized. REJECTED (CONSOLIDATED).
UPR-200-E-53	SW-2	UPR-200-E-53, UN-200-E-53, Contamination at 218-E-1	The release occurred at 218-E-1 Burial Ground	1978	N/A	Contaminated soil	N/A	46 by 15 m (150 by 50 ft)	In October 1979, a contamination spread occurred during backfilling operations when shallow buried contaminated waste in an adjacent trench was uncovered by a bulldozer. Numerous spots of radioactive contamination were detected within the south end of the 218-E-1 Trench. The contaminated soil was reburied, and clean fill was spread over the area. The surface of the burial ground was stabilized in 1981. The release is not marked or posted, but the 218-E-1 Burial Ground is marked and posted. REJECTED (CONSOLIDATED).

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
UPR-200-E-61	SW-2	UPR-200-E-61, Radioactive Contamination from Railroad Burial Cars, UN-216-E-61, UN-200-E-61	The release occurred in the railroad right-of-way at the burial ground unloading ramp in the 218-E-10 Burial Ground area	1981	B Plant	N/A	N/A	N/A	Already cleaned up. The site is located at the railroad right-of-way within the area mapped as the Industrial Burial Grounds (218-E-10). It is contamination found after a concrete burial box was off loaded from railroad cars to burial grounds. The box left B Plant with unacceptable levels of contamination that were not found until after the box had been off loaded. Both the railroad car and the offloading ramp showed smearable contamination. They were decontaminated within a few days after discovery. REJECTED.
UPR-200-W-11	SW-2	UPR-200-W-11, Burial Ground Fire, UN-200-W-11, UPR-200-W-16	Within the 218-W-1 Burial Ground	1952	N/A	Fire caused airborne radioactive contamination including alpha particles.	N/A	N/A	This site was a result of a spontaneous fire in the 218-W-1 Burial Ground. It is a duplicate of UPR-200-W-16. REJECTED.
UPR-200-W-134	SW-2	UPR-200-W-134, Improper Drum Burial	Within the 218-W-3A Burial Ground	1975	N/A	Site contains 9,000 m^3 (12,000 yd^3) of contaminated soil	N/A	N/A	UPR-200-W-134 involved the improper burial of a TRU-labeled drum in 1975 at the 218-W-3A Burial Ground. The drum failed and contaminated surrounding soil. This UPR originally was reported in WIDS as having occurred in the 218-W-1 Burial Ground; however, recent documentation indicates that the 218-W-3A Burial Ground was the site of the incident. REJECTED (CONSOLIDATED).

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
UPR-200-W-137	SW-2	UPR-200-W-137, 218-W-7, UN-200-W-137	200 West Area, in a laboratory vault east of the 222-S Building	N/A	N/A	N/A	N/A	76.2 by 76.2 m (250 by 250 ft)	The site received dry, packaged, laboratory, and sampler wastes from the 222-S Building. This site is a duplicate of 218-W-7 (222-S Laboratory vault), because it is the contamination contained within the vault. A vent from the vault is visible above the ground surface; the rest of the site is graveled and surrounded by yellow metal poles and a chain to mark the radiation zone. Contamination is limited to an underground compartment, 218-W-7. REJECTED.
UPR-200-W-16	SW-2	UPR-200-W-16, Fire at 218-W-1 Burial Ground	Within 218-W-1 Burial Ground	1952	N/A	Fire caused airborne radioactive contamination including alpha particles.	N/A	N/A	The release was a result of a spontaneous fire in the 218-W-1 Burial Ground. The trench where the fire occurred runs east and west and was roughly in the center of the burial ground. A fire in the dry waste spread plutonium contamination to the north and south sides of the trench and outside the burial ground in the vicinity of 231-Z Building. The contaminated soil was bulldozed into the trench. The ground on the north side was stabilized with oil, and roads near Z Plant were washed down with water. REJECTED (CONSOLIDATED).
UPR-200-W-26	SW-2	UPR-200-W-26, Contamination Spread During Burial Operation	Assumed to be 218-W-4A Burial Ground and along the railroad tracks	November 1953	221-T	Soil contamination from 221-T spent equipment	N/A	N/A	A box of used connectors was removed from the 221-T Building and buried in the 218-W-4A (Railroad) Burial Ground. During unloading, the lid was dislodged and contamination was spread to the flatcar and surrounding ground. REJECTED (CONSOLIDATED).

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
UPR-200-W-37	SW-1	UPR-200-W-37, Contaminated Boxes Found in a Burn Pit	East of Dayton Ave, southwest of Z Plant within the 218-W-4C Burial Ground	June 10, 1955	N/A	High-level dry waste	N/A	N/A	Three boxes containing dry, high-level waste mistakenly were disposed of to the burn pit. The boxes were noticed before burning. However, during removal, it was noted that one box had opened in the pit causing radiological contamination. The boxes were removed and sent to the proper burial trench. REJECTED (CONSOLIDATED).
UPR-200-W-45	SW-2	UPR-200-W-45, Burial Box Collapse	Estimated in and around the 200 West Area Burial Grounds	1957	REDOX	Spent equipment caused contaminated soil and airborne particles	N/A	10 km^2 (4 mi^2)	A burial box containing ruthenium-contaminated process equipment from REDOX collapsed and released contamination throughout the 200 West Area in November 1957. Skin and/or personal clothing contamination occurred to 12 employees and 15 vehicles. Personnel and property were decontaminated, and measures to prevent the spread of contamination were implemented. NO ACTION.
UPR-200-W-53	SW-2	UPR-200-W-53, Burial Box Collapse	East from the 218-W-2A Burial Ground to within 275 m (902 ft) of the east perimeter fence of the 200 West Area	1959	REDOX	Spent equipment caused contaminated soil and airborne particles	N/A	101 ha (250 acres)	A burial box containing process equipment from REDOX collapsed and released fission product contamination into the 200 West Area in January 1959. Skin and/or personal clothing contamination occurred to 12 employees and 15 vehicles. Personnel and property were decontaminated, and measures to prevent the spread of contamination were implemented. REJECTED (CONSOLIDATED).

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description
UPR-200-W-72	SW-2	UPR-200-W-72, Contamination at 218-W-4A	Within the 218-W-4A Burial Ground	1975	N/A	Laboratory waste and contaminated soil	N/A	15 by 15 m (50 by 50 ft)	Contaminated laboratory waste was found with gross alpha and mixed fission product contamination in October 1975. The waste had been buried years before at the previously required 1.2 m (4 ft) depth. Soil erosion caused the waste to become exposed. The waste was removed, and the area was covered with 15 cm (6 in.) of sand, a layer of ureabor, a layer of 10-mil plastic, 31 to 36 cm (12 to 14 in.) of soil, and 8 to 10 cm (3 to 4 in.) of rock. REJECTED (CONSOLIDATED).
UPR-200-W-84	SW-2	UPR-200-W-84, Ground Contamination During Burial Operation	Within 218-W-1, which lies south of the 218-W-11 Burial Ground and east of the 200 West Central Waste Complex	1980	N/A	Liquid waste	N/A	N/A	In July 1980, a liquid spill occurred in the 218-W-1 Burial Ground when chemical waste (beta/gamma) was being pumped from a truck to the burial ground. The pump and contaminated soil were placed in a burial trench. The truck was cleaned and thoroughly decontaminated at a separate site. REJECTED.
Z PLANT BP	SW-1	Z PLANT BP, Z Plant Burning Pit	East of Dayton Ave, within the boundaries of the current 218-W-4C Burial Ground	1948 to 1960	N/A	The burn pit received 2,000 m^3 of wastes for burning, including less than 1,000 m^3 of laboratory chemicals	3.0 m	12.2 m by 15.2 m	This unit is a rectangular burning pit located within (under) Burial Ground 218-W-4C. The site was exhumed during the excavation of Trench 7 in the 218-W-4C Burial Ground. REJECTED.

ARH-2015, *Radioactive Contamination in Unplanned Releases to Ground Within the Chemical Separations Area Control Zone through 1970; Part 4.*
DOE/RL-2001-07, *200 East Area Pipe Laydown Yard Accumulation Area Closure Plan.*
PNL-6456, *Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford.*
RHO-CD-673, *Handbook 200 Areas Waste Sites.*
WAC 173-303-610(2), "Dangerous Waste Regulations," "Closure and Post-Closure," "Closure Performance Standards."
WAC 173-340-745, "Soil Cleanup Standards for Industrial Properties."
Waste Information Data System Report, Hanford Site database.

Table B-1. Summary of Information for Previously Reclassified Sites (54 Sites). (25 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/ Volume Released	Depth	Waste Site Dimensions	General Description

ARCO = Atlantic Richfield Company.
bgs = below ground surface.
BP = burning pit.
BP = Batch Plant.
BPHWSA = B Plant hazardous waste storage area.
c/min = counts per minute.
CL = Central Landfill.
CSLA = construction surface laydown area.
DYN = Dyncorp Tri-Cities Services, Inc.
ESHWSA = exploratory shaft hazardous waste storage area.
Fluor Hanford = Fluor Hanford, Inc.
HWSA = hazardous waste storage area.
ICF-KH = ICF Kaiser Hanford Company, Incorporated.
ILAW = immobilized low-activity waste.
N/A = not applicable.
OU = operable unit.
PUREX = Plutonium-Uranium Extraction (Plant).
PVC = polyvinyl chloride.
RCRA = *Resource Conservation and Recovery Act of 1976.*
REDOX = Reduction-Oxidation (S Plant).
SW-1 = 200-SW-1 Nonradioactive Landfills and Dumps Operable Unit.
SW-2 = 200-SW-2 Radioactive Landfills and Dumps Operable Unit.
TCLP = toxicity characteristic leaching procedure.
TRU = transuranic (waste materials contaminated with more than 100 nCi/g of transuranic materials having half-lives longer than 20 years).
TSD = treatment, storage, and/or disposal (unit).
UPR = unplanned release.
WIDS = *Waste Information Data System.*

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimensions	General Description
"No Planned Remediation" Sites (Bin 1, 20 sites)									
200 CP	SW-1	200 CP, 200 Area Construction Pit, 200 Area Construction Waste Site, Hanford Site Gravel Pit #29	Northwest of the 2704 HV Building and west of the west perimeter fence of 200 East Area	1945 to 1955	The pit received several truckloads of nonhazardous waste including truckloads of broken blocks, building debris, and concrete foundation.	Reportedly, only building debris and no chemicals	6 m (20 ft)	457 by 152 m (1,500 by 500 ft)	The pit was a source of gravel for several Hanford Site projects. The pit is open at the north end. Anecdotal evidence indicates that Gravel Pit #29 received building debris including concrete foundation. However, during a 1997 site inspection, only metal cable and piping were identified. No concrete or building debris were noted in the pit. The 2704 HV Building parking lot covers part of the original site.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimensions	General Description
200-E BP	SW-1	200-E BP, 200-E Burning Pit, 200 East Burn Pit	Northeast corner of 200 East Area, south of 12th St and west of Canton Ave	1950 to 1970	The pit typically burned nonradioactive office and construction wastes. Pit also was used to detonate shock-sensitive chemicals	1,500 m^3 (1,960 yd^3) construction and office wastes including asbestos; 1,000 m^3 (1,300 yd^3) of paint waste and solvents	N/A	120 by 61 m (394 by 200 ft)	The burn pit is a large excavation located east of the 218-E-8 Burial Ground. The burn pit has limited vegetation, and the surface is rock and gravel. Burn pits typically were used for disposal of nonradioactive construction and office wastes including paint, solvents, and chemicals. This pit also was used to detonate shock-sensitive chemicals and to burn tumbleweeds that were collected from the 200 East Area perimeter fences. The 200-E Borrow Pit Demolition Site (200-E8 BPDS RCRA TSD unit) (located within the burin pit) has been clean closed. During a 1991 site visit, three enclosures were noted within the site. A 12 by 12 m (40 by 40 ft) area in the southwest corner contained several drums, palettes, and sections of steel pipes. A 4.6 by 4.6 m (15 by 15 ft) chained barricade with asbestos warning signs was located in the middle of the basin. A triangular enclosure near the side boarder was found empty. Radioactive "towels" were placed in a 200 East Area burning pit; however, the exact pit was not designated in the literature and has not been identified.
200-E-1	SW-1	200-E-1, 284E, 284-E Landfill	West of 284-E Building	N/A	N/A	Friable asbestos debris	N/A	N/A	The unit consists of friable asbestos waste encountered 9 m (30 ft) west of the 284-E Building during belowgrade trenching activities. The form also indicated the material is under a 90-day storage pad. No dimensions or waste volume have been documented or discovered in literature.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
200-E-2	SW-1	200-E-2, Soil Stains at the 2101-M SW Parking Lot, MO-234 parking lot	Northwest corner of the intersection of Baltimore Ave and 2nd St, in 200 East Area; bound by MO234 to the north and MO413 and MO021 to the west	N/A	Used oil for dust abatement	Used oil	N/A	46 by 31 m (150 by 100 ft)	The site is an active gravel-covered parking lot that contains discolored soil staining. The staining is primarily concentrated at the north end; large stains also are located south of MO243 and MO413. Two storm drains are located within the site and route miscellaneous streams 709 and 710. Used oil for dust abatement has occurred in the past. A concern of PCBs and heavy metals in the used oil has been expressed by Regulatory support; however, no sampling has been conducted.
200-N-3	SW-1	200-N-3, Ballast Pits	Northwest of the intersection of two secondary roads, one north to 212-P Building and the other west to 212-N Building	N/A	N/A	Miscellaneous solid debris	N/A	12 m (39 ft) in diameter	It is believed that the pits were used as a source of rock for the Hanford Site railroad track beds. No contamination has been reported at the site, and it is not marked or posted. A 1992 visit indicated electrical conduit and mechanical parts were visible in the bottom of the pits. A 1996 visit noted only a small amount of metallic debris at the bottom of one pit. A 2004 visit noted canisters and barrels.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
200-W ADB	SW-1	200-W ADB, 200-W Ash Disposal Basin	Northwest of the 2704 HV Building and northeast of the 221-U Facility	1944 to present	284-W Powerhouse	Ash and miscellaneous solid debris	N/A	244 by 183 m (800 by 600 ft)	The site consists of a large basin and an unmarked ditch. A 1954 drawing shows an underground ash/water slurry pipeline extending from the northeast corner of the 284-W Powerhouse to the site. In 1993, samples of the ash were collected and found to be nondangerous/noncorrosive. Later, the site received material dredged from the 200 West Ash Pit. A chemical demolition occurred inside the northern portion of the basin. A February 2000 inspection found the northern portion filled with ash level to the surface. In 2001, the south end of the northern portion of the basin and ditch were used as a staging area and filled with blown-in tumbleweeds. It was noted in a site inspection (April 2002) that the tumbleweeds had been removed. The south portion of the basin (200-W Burn Pit) also has been used to dispose of miscellaneous debris including railroad ties, bales of dry vegetation, and pink sand thought to be sandblasting material. Also located inside the basin is UPR-200-W-70.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimensions	General Description
200-W BP	SW-1	200-W BP, 200-W Burning Pit, Pit 34	Southeast of the 284-W Powerhouse, on the east side of Beloit Ave and the southwestern portion of the 200 West Area Ash Disposal Basin	1950 to 1970	N/A	Ash and miscellaneous solid debris	N/A	61 by 61 m (200 by 200 ft)	The 200-W Burn Pit is the southern portion of the 200-W Ash Disposal Basin. This site remains excavated. 200 Area office waste and nonradioactive construction debris typically were brought to the site for burning. In October 1992, radiological surveys and soil sampling were performed. Ten samples were collected from five locations—one at the surface and a second 1 m (3 ft) bgs. Results indicated the soil was acceptable to use as clean backfill material. UPR-200-W-37 was associated mistakenly with this site. UPR-200-W-70 occurred in 1973 at the site when a routine survey revealed several beta-gamma contaminated spots.
200-W-1	SW-1	200-W-1, REDOX Mud Pit West	West of REDOX, outside the REDOX exclusion fence and north of 10th St	N/A	N/A	Liquid/chemical disposal	N/A	23 by 15 m (75 by 50 ft)	The site has the appearance of drilling mud and the typical surface that is left from evaporated liquid discharges. The site was originally described as a pit ~15 by 31 m (~50 by 100 ft). However, during a field visit in 1999, a larger area appeared disturbed by heavy equipment with little to no vegetation and soil staining. Thus, it is believed that the site is actually larger than first reported. During trench excavation for Project W-087, two nearby piles of aluminum oxide and silicate were discovered. It is believed that plutonium-contaminated ventilation equipment was rinsed in this area.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
200-W-12	SW-1	200-W-12, 201-W Soil Mound and Plastic Pipe	Northwest of 201-W Building and ~75 m (~246 ft) north of 13th St and west of Albany Ave	N/A	N/A	N/A	N/A	4 by 2 m (12 by 6 ft)	The site is a soil mound with one 0.8 m (2.5 ft) aboveground plastic pipe and a 20 cm (8-in.) aboveground plastic pipe topped with tees and elbows. Insulated electrical wires and a heat controller also are present. The site is believed to be a test site for waste management operations. However, this has not been confirmed by interviews or literature.
200-W-2	SW-1	200-W-2, REDOX Berms West	Northwest of the 202-S Facility, outside the REDOX exclusion area fenceline	N/A	N/A	N/A	N/A	N/A	The site consists of undisturbed soil and two bermed areas that may cover contaminated soil/debris. One berm is 1.5 m (5 ft) high by 9 m (30 ft) wide. The other berm is 3 m (10 ft) high by 15 m (50 ft) wide. Ventilation equipment may have been cleaned in this area.
200-W-3	SW-1	200-W-3, 2713-W North Parking Lot, 220-W-1	North of 2713-W, east of Beloit Ave, and north of 20th St	N/A	Used oil for dust abatement	Contaminated soil	10 to 15 cm (4 to 6 in.) thick	91 by 152 m (300 by 500 ft)	The site is a parking lot containing an area of discolored soil. Oil often was used as dust abatement in this area. Two soil samples collected in 1989 indicated that PCBs, lead, xylene, and total petroleum hydrocarbons were present.
200-W-6	SW-1	200-W-6, 200-W Painter Shop paint solvent disposal area	North of 19th St and east of Bridgeport Ave; within the construction forces shop complex at the 15019 shop building	N/A	N/A	Paints and solvents	N/A	N/A	This site consists of the soil under the ICF-KH Paint Shop. In 1993, modifications to the building required that a portion of the concrete floor be removed. A strong solvent odor was discovered. The soil was placed back into the excavation and reported. Employees indicated that prior to 1984, this location had been a common place to dispose of paints and solvents.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-E-9	SW-2	218-E-9, 200 East Regulated Equipment Storage Site No. 009, Burial Vault (HISS)	North of B Plant and east of the 218-E-2 Burial Ground	1953 to 1958	Uranium-recovery process operations at tank farms	Equipment	Above-ground only	130 by 30 m (427 by 100 ft)	The site was used as an aboveground storage site for fission product equipment that became contaminated in the Uranium Recovery Process operations at tank farms. It never was used as a burial ground. The site is co-located with Burial Grounds 218-E-2, 218-E-2A, 218-E-4, 218-E-5, and 218-E-5A and stabilized in 1980. The site was re-stabilized in 1991 when contaminated vegetation was found.
291-C-1	SW-2	291-C-1, 291-C-1 Stack, 291-C Stack Burial Trench	200 East Area, east of the 201-C Facility and south of 7th St	1949 to 1987	Hot Semi-Works Processing Exhaust Stack	291-C Stack	N/A	61 by 7 m (200 by 24 ft)	The stack was a double-shell structure made of reinforced concrete, acid-resistant brick, and mortar. The stack was demolished in 1988 and placed in this burial site. Before the stack was demolished, gamma energy analysis was completed. Maximums of 8.5 rad/h below the 46 m (150 ft) level were detected. These parts were decontaminated partially by remote sand blasting and stabilized with latex paint. This site is not marked.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
600-146	SW-1	600-146, Steel Structure on Northwest Side of Gable Mountain	North side of Gable Mountain and just south of the dirt road that runs east-west along the north side of Gable Mountain	N/A	N/A	Miscellaneous solid debris, buildings, and explosion residue	3 m (10 ft)	10 by 4 m (33 by 14 ft)	The site consists of a steel structure that contains stainless steel piping and metal grating. The use of the structure is unknown. Scrap metal and wood lay near the steel structure and a concrete pad. In 2001, the site was surveyed, and a metal stand with a pipe welded onto it was found to be contaminated. The material was bagged, labeled, and sent to 2724-WB where it was placed in a burial box. No other contamination was detected. A portion of the site reportedly was used to detonate explosives. In 2002, a Hanford Patrol K-9 unit surveyed the site. An ion scan detected minute quantities of various explosive materials, but no devices were found. It was concluded that blast testing on equipment may have been conducted at the site.
600-228	SW-1	600-228, H-40 Gun Site Dumping Area	Southeast of the 200 East Area, on the south side of Route 4 South. Trees viewed from Route 4 South aid in locating the site. The dumping areas are located to the southeast and west of the H-40 Gun Site.	Unknown to 1958	Camp Hanford anti-aircraft artillery	Miscellaneous solid debris	N/A	N/A	The dumping areas are located in pits in the southern portion of the site. The site contains miscellaneous debris including wood, oil cans, transite, paint cans, wire, nails, metal piping, metal ducting, scrap metal, glass, paint cans, several wooden ammunition boxes, and concrete rubble. The 2000 Hanford Site fire destroyed all flammable material.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
600-70	SW-1	600-70, Solid Waste Management Unit (SWMU) #2 - Miscellaneous Solid Waste	360 m (1,181 ft) east of REDOX, outside the 200 West Area perimeter fence	1950	REDOX construction	Miscellaneous solid debris	N/A	425 by 280 m (1,394 by 623 ft)	The site was used as a construction storage, heavy equipment vehicle parking and maintenance, concrete truck wash-down, and waste disposal area associated with the construction of the REDOX plant. Debris includes concrete, wood, metal, cans, barrels, and transite. Several groundwater wells monitor the area and are contaminated by other Hanford Site operations upstream of the site.
628-2	SW-1	628-2, 100 Area Fire Station Burn Pit	130 m (426.5 ft) north of the 100 Area Fire Station	Unknown to 1985	N/A	Miscellaneous solid debris and ash	N/A	42 by 37 m (138 by 121 ft)	The site is an unmarked pit that was used to burn debris including chemicals, solvents, motor oils, diesel fuel, and toluene. The site currently contains ash and debris including wood, metal, electrical wiring and equipment, and roofing materials. The soil has evidence of staining, and the vegetation has been impacted.
UPR-200-W-63	SW-2	UPR-200-W-63, Road Contamination along the South Shoulder of 23rd St, UN-200-W-63	Contamination began 152 m (500 ft) west of the west railroad crossing on 23rd St and extended eastward to the intersection of Bridgeport Ave and 23rd St, along the south shoulder of 23rd St	1966	241-TX-153 Diversion Box Jumper	^{90}Sr-contaminated equipment caused contaminated soil and airborne particles	N/A	N/A	In September 1966, ^{90}Sr in the form of particulate matter spread from a used diversion box jumper as it was being transported from the 200 West Dry Waste Burial Ground to the 221-T Canyon. Spotty road contamination was removed while the shoulder of 23rd St. and nearby borrow pit were covered with 15 cm (6 in.) of soil. The area was removed from radiation zone status in November 1972. In September 1991, there were no longer any visible site markers.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
UPR-200-W-70	SW-1	UPR-200-W-70, Contamination Found at the 200 West Burning Ground	South of the 216-W-LWC Crib and east of Beloit Ave; within the 200 West Ash Disposal Basin	1973	N/A	Ash	N/A	N/A	In 1973, a routine survey revealed several spots of beta/gamma contamination along the bumper rails at the edge of the trench. Alpha contamination was detected also. Fabro-film was sprayed on the contaminated areas to stabilize the contamination. The contamination was removed and disposed of in a burial ground, and the site was locked to prevent further unauthorized dumping. The site currently is not posted as a radiological or hazardous site. ACCEPTED; however, this site was proposed for consolidation into 200-W BP. Ecology staff indicated more research is needed before they will accept the proposal. This site will be assigned to Bin 1 if it is still an accepted site by the time this work plan is finalized.
"Removal, Treatment, and Disposal" Sites (Bin 2, 30 sites)									
200-E-122	SW-1	200-E-122, Construction Forces Bullpen, CF Bullpen, Equipment Storage Yard	South of B Plant and south of 222-B Building	N/A	N/A	Miscellaneous solid debris	N/A	44 by 20 m (144 by 66 ft)	The site is an equipment/materials storage yard that is enclosed by a locked, chain-link fence. The fence is marked as a Radiological Buffer Area. Inside the fence, several groups of materials are surrounded with radiation rope and marked as a Contamination Area. Materials include barrels, wood, scrap metal, wooden crates, tables, and cabinets.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
200-E-13	SW-1	200-E-13, Rubble Piles from RCRA General Inspection #200 EFY95 Item #7	South of PUREX facility and north of 1st St, off a dirt road ~220 m (~722 ft) west of the intersection of 1st St and Canton Ave	N/A	N/A	Miscellaneous solid debris	N/A	Area of 13.095 m^2 (140,953 ft^2)	The site consists of several rubble piles containing wood, asphalt, dirt, steel and PVC piping, concrete, rebar, paper, towels, and rags. The debris is concentrated in piles south of an old borrow area, and isolated piles/berms are west of the main location. The vegetation is sparse to moderate at the site and consists primarily of cheat grass and tumbleweeds. Sage and bunchgrasses also are present.
200-E-46	SW-1	200-E-46, RCRA Permit General Inspection #200 EFY96 Item #3	On both sides of the dirt road ~183 m (~600 ft) southeast of the 282-E Reservoir building and running along the south side of the railroad spur	N/A	N/A	Miscellaneous solid debris	N/A	150 by 50 m (492 by 164 ft)	The site contains miscellaneous solid debris including wire rope, steel railroad rail, a metal bar, wood, fiberglass insulation, aluminum cans, coal, piping, aluminum and copper wire, concrete, and glass. A partially filled can of "AEROSOLVE/ZEP DEGREASER," a transformer core, and a 1-gal can containing a tar-like substance have been removed from the site.
200-W-101	SW-2	200-W-101, Contaminated Material West of 216-S-12 Crib	West of Beloit Ave, west of the 216-S-12 Crib	N/A	N/A	N/A	N/A	12 by 6 m (40 by 20 ft)	The site consists of two large wooden boxes and a rusted metal shaft surrounded with light post and chain. The metal shaft is approximately 18 m (60 ft) long. During a survey in 2002, the radiological posting was changed from a Radiation Area to a Contamination Area, because only a piece of black hose was contaminated (beta/gamma).
200-W-11	SW-1	200-W-11, Concrete Foundation South of 241-S, S Farm Foundation and Dump Site	North of 10th St and west of Camden Ave, south of the 241-S Tank Farm	N/A	N/A	Miscellaneous solid debris	N/A	N/A	This site consists of a concrete foundation, small burn areas, bare areas, and scattered debris. Debris includes barbed wire welding rods, oil cans, paint cans, glass, melted roofing material, cable, wood, piping, rubber brick, and vehicle parts.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
200-W-33	SW-1	200-W-33, Solid Waste Dumping Area	Outside the 609 Gate, west of Dayton Ave, near the northwest corner of 200 West Area	N/A	N/A	Miscellaneous debris	N/A	245 by 215 m (804 by 705 ft)	The site consists of an area of debris covering (1 acre) in a stand of open sagebrush. The debris includes rusted cans, rusted 55-gal drums, steel containers, and wood. Evidence of burning and oil spills also was noted. One 5-gal can was found that contained an oil-like substance.
200-W-55	SW-1	200-W-55, Dumping Area North of 231-Z	~1/3 mile north of 231-Z Building	N/A	N/A	Miscellaneous solid debris	N/A	3 m (10 ft) in diameter	The site consists of a pile of debris including concrete rubble, wood, cans, piping, and rusted sheet metal. The site is not posted or marked.
200-W-75	SW-2	200-W-75, Radiological Logging System (RLS) Calibration Silos	Three Silos are west of the 202-S Building, south of the 276-S Building, and north of the 211-S Tank Farm. One silo is west of the 211-S Tank Farm, across an asphalt access road	1978	RLS calibration	Known sources of ^{60}Co, ^{90}Sr, ^{106}Ru, and ^{144}Ce are in sealed capsules (RHO-ST-14)	3 m (10 ft)	Each silo is 2.4 m (8 ft) length by 1.2 m (4 ft) diameter	The site consists of four underground RLS equipment calibration silos. The silos are galvanized steel containers with metal lids bolted on top. The size and design of each silo varies. In the late 1970s, test well mockups were used to calibrate "in-well" radionuclide detectors. Tubes of radioactive sources were inserted into the silos at different depths and surrounded with soil. Three of the silos are in the 211-S Tank posted Contamination Area and have been covered with a minimum of 15 cm (6 in.) of gravel and no longer are visible.
200-W-92	SW-2	200-W-92, Contaminated Mound of Soil and Debris, Soil Mound West of TY Tank Farm	West of an unnamed gravel road, west of the TY Tank Farm	N/A	N/A	Miscellaneous solid debris and soil	Mound is 1.5 m (5 ft) high	24 by 9 m (80 by 30 ft)	The mound is surrounded with a chain and posted with Contamination Area signs. Several radiation flags have been placed in the mound to identify significant contamination. Rocks, asphalt, and cement rubble are visible. Some vegetation is growing on the mound. In 2001 during a radiation survey, both beta/gamma and alpha contamination were found on the debris and soil.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-E-2	SW-2	218-E-2, 200 East Industrial Waste No. 002, Equipment Burial Ground #2	North of B Plant and southeast of BX Tank Farm; co-located with Burial Grounds 218-E-5, 218-E-5A and 218-E-9	1945 to 1953	N/A	9,033 m^3 (11,815 yd^3) of miscellaneous debris including 0.003 m^3 (0.1 ft^3) MFP/TRU wastes	N/A	Total site is 165 by 134 m (541 by 441 ft)	The burial ground consists of nine industrial trenches. The unit was surface stabilized in 1979 with 0.3 m (1 ft) of clean backfill material and vegetated with wheat grass. Trench lengths vary from 27 to 142 m (90 to 465 ft). The site received MFP/TRU material. The site is co-located with Burial Grounds 218-E-2A, 218-E-4, 218-E-5, 218-E-5A, and 218-E-9.
218-E-4	SW-2	218-E-4, 200 East Minor Construction No. 4, Equipment Burial Ground #4	Irregularly shaped polygon located between two railroad tracks and north of 221-B Building	1955 to 1956	221-B modifications	1,586 m^3 (2,074 yd^3) of miscellaneous debris	N/A	238 by 61 m (780 by 200 ft)	The site received repair and construction waste from the 221-B modifications. The exact number of trenches remains unknown. It is believed that two trenches run parallel to the railroad tracks. In June 1960, UPR-200-E-23 occurred and contaminated the area to a maximum reading of 1 rad/h. The site was surface stabilized in 1980 and is posted as Underground Radioactive Material. A radioactive survey is performed annually. The site is co-located with Burial Grounds 218-E-2, 218-E-2A, 218-E-5, 218-E-5A, and 218-E-9.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-E-7	SW-2	218-E-7, 200 East 222-B Vaults	South of 222-B Building, south of an aboveground steam line	1945 to 1952	N/A	170 m^3 (222 yd^3) of MFP/TRU waste	Wooden vaults are 3.7 m (12 ft) bgs; concrete vault is 7.7 m (25 ft) bgs	Wooden vaults are 3 by 3 m (10 by 10 ft); concrete vault is a 2.4 m (8 ft) diameter culvert	The site consists of three underground storage vaults. Two vaults are older wooden vaults that are open on the bottom. The third vault is a replacement vault in a concrete culvert/pipe encasement; it has a 23 cm (9-in.) concrete cover and a 0.3 m (1-ft-) thick concrete floor. All three vaults were connected to the surface with waste disposal chutes. Before the site was stabilized in October 1995, excavations were done to evaluate cave-in potential. The center wooden vault appears to have been filled with dirt when taken out of service. The disposal chutes have been removed, and 31 to 46 cm (12 to 18 in.) of clean soil were added to backfill the site to grade.
218-W-7	SW-2	218-W-7, 222-S Vault	Southeast of 222-S Building	1952 to 1960	222-S Laboratory	159 m^3 (208 yd^3) of laboratory and sample wastes	N/A	3.7 m (12 ft) in diameter	The waste site is a carbon steel burial vault. The outer surface is coated with a layer of hot coal tar-enamel to prevent corrosion and is 4.3 m (14 ft) deep, resting on a 0.3 m (1-ft) concrete foundation. The vault has a dome and vent structure that extends 3.2 m (11 ft) to the surface. UPR-200-W-137 is a contamination inside the vault and is a duplicate site. The site contains gravel and is protected by yellow metal posts and a chain with radiation zone signs. A surface radiological survey is performed annually.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimensions	General Description
218-W-8	SW-2	218-W-8, 222-T Vault	Southeast of 222-T Building	1945 to 1952	222-T	68 m^3 (89 yd^3) of laboratory and process sample wastes	N/A	Total site is 25 by 13 m (81 by 43 ft)	The site consists of three underground vaults. The two original vaults are 3 by 3 by 3.7 m deep (10 by 10 by 12 ft deep) and are made of 5 cm by 30.5 cm (2-in. by 12-in.) wooden planking 1.5 m (5 ft) bgs. Both disposal chutes have been removed. The third replacement vault is a concrete culvert/pipe encasement that is 2.4 m (8 ft) in diameter, 7.6 m (25 ft) long, and situated 1 m (3 ft) bgs. It has a 23 cm (9-in.) concrete cover and a 0.3 m (1-ft-) thick concrete floor. In 1975, soil was added to the surface to fill in sinkholes. A site investigation, which included excavations, was performed in 1996. It was determined that the two wooden structures were filled with soil. The site was graded and stabilized. A surface radiological survey is performed annually.
218-W-9	SW-2	218-W-9, Dry Waste Burial Ground No. 9, Non-TRU Dry Waste No. 009	Northwest of 202-S Building and north of 216-S-7 Crib	1954	REDOX	486 m^3 (636 yd^3) miscellaneous solid debris	N/A	43 by 30 m (140 by 98 ft)	The site is designated by four corner posts and chain. The site was interim stabilized in 1991 with 45 to 60 cm (18 to 24 in.) of clean backfill. A surface radiological survey is performed annually. Miscellaneous debris includes metal scrap and the 211-S Tank. The waste contains <0.1 Ci beta activity.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
600 OCL	SW-1	600 OCL, 600 Area Original Central Landfill, Original CL	2.4 km (1.5 mi) southeast of Army Loop Road and 30.5 m (100 ft) north of Highway 4 South	1973	N/A	N/A	4.6 m (15 ft)	91 by 15 m (300 by 50 ft)	The site received miscellaneous trash and debris from the Hanford Site for ~9 months. The site has been backfilled to grade. On June 5, 1988, a test pit was dug to try to locate the burial trench. A special radiological survey found 1,500 c/min beta gamma in the test pit. After the discovery of radioactive contamination, the excavation was discontinued. The site is posted as an underground radioactive material area.
600-218	SW-1	600-218, H-61-H Anti-Aircraft Artillery Site Dumping Area	Southwest of the intersection of Route 11 and Route 6; 0.4 mi south of Route 11 and just west of Army Loop Road	N/A	N/A	Miscellaneous solid debris	N/A	74 by 20 m (243 by 67 ft)	The dumping area consists of miscellaneous and demolition debris consisting of wood, pipe, barbed wire, metal fence posts, empty oil cans, aerosol cans, empty paint cans, food cans, metal piping, sheet metal, and scraps.
600-220	SW-1	600-220, H-51 Anti-Aircraft Artillery Site Dumping Area	~2 mi southwest of 200 West Area, extending to the southwest near Highway 240 on Army Loop Road. Southeast quarter of Section 15, Township 12 North, Range 25 East	Unknown to 1958	Camp Hanford anti-aircraft artillery	Miscellaneous solid debris	N/A	Total area of dump sites is 200 by 166 m (647 by 545 ft)	The dumps are located in three general areas with two of them fenced off. The first dump (591 by 489 ft) contains metal, transite, fluorescent light bulbs, metal ducting, fiberglass insulation, an unknown white granular substance, pipe, and wire. The second site (56 by 56 ft) was mostly wood, little remains now. The third area is a relatively large area consisting of empty cans and empty food, oil, paint, and bleach bottles. The 2000 Hanford Site fire destroyed all flammable material.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
600-222	SW-1	600-222, H-60 Gun Site	~1.2 mi west of 200 West Area, just east of Highway 240	N/A	Camp Hanford military compound	Miscellaneous solid debris	N/A	212 by 167 m (695 by 548 ft)	A site visit on March 3, 1998, identified two 1-½ in. diameter pipes protruding from a block of concrete. In 1998, the deteriorated remains of what appeared to be batteries or ammunition were reported and mapped. There is little other evidence of a military gun site present. Trees, walkways, roads, and an underground telephone warning remain. After the Hanford Site 2000 fire, ceramic piping, two oil filters, and transite siding have became visible.
600-226	SW-1	600-226, Gun Site H-42 Dumping Area	4 mi south of 200 East Area, on the south side of Army Loop Road and on both the east and west sides of the power line road to Rattlesnake Mountain	Unknown to 1958	Camp Hanford anti-aircraft artillery	Miscellaneous solid debris	N/A	N/A	The site is an old dumping area for an anti-aircraft site. The surface of the site has scattered and decaying debris including pipe, glass, empty buckets, slightly rusted (not corroded) 55-gal drum, dried paint, cans, transite, broken concrete, and dry cell batteries. Wood had been present in the site, but was burned in the Hanford Site 2000 fire.
600-281	SW-1	600-281, Scattered debris South of Army Loop Road	South of Army Loop Road, ~150 m (~492 ft) east of the H-42 Gun Site	N/A	Camp Hanford anti-aircraft artillery	Miscellaneous solid debris	N/A	N/A	Five areas of concentrated debris were identified. The debris includes material suspected to be asbestos, charred wood, glass, metal pipes, gauges, and green metal containers.
600-36	SW-1	600-36, Ethel Railroad Siding (Burn Pit)	~1 mile (~1.6 km) northeast of 200 West Area and northwest of the 251 Electrical Substation, north of Route 11A	N/A	N/A	Miscellaneous solid debris	N/A	18 by 91 m (60 by 300 ft)	The site contains scattered debris and some evidence of burning and oil spills. In 1997, an inspection noted metal canisters of bolts and nuts, batteries, abandoned rails, scrap metal, and oil spills. Most of the debris was removed by 2002; however, the oil stains and batteries remained.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
600-38	SW-1	600-38, Railroad Siding Susie, 600-25, Susie Junction	"Susie" junction is southwest of Gable Butte at the southeast quarter of Section 24, Township 13 North, Range 25 East	N/A	N/A	Miscellaneous solid debris and liquids in drums	N/A	N/A	The site is at the "Susie" railroad junction. The site had contained siding for railroad cars, but that was removed by 1996. In 1989, four to five drums were discovered. One drum had leaked some oily liquid, and another drum was labeled kerosene. A nearby trash pile contained rubber boots, brooms, brushes, chisels, hoses, and various trash. An ash pile also was discovered. Within the ash pile was white fibrous material that appears to be asbestos insulation. 600-25 is a duplicate site and is proposed to be rejected.
600-40	SW-1	600-40, West of West Lake Dumping Area	East of Route 4 North and 105 m (345 ft) west of West Lake	N/A	N/A	Miscellaneous solid debris	N/A	Total Area is 487 m^2 (5,242 ft^2)	The site consists of two dumping areas. The debris is on a dirt road at the T-intersection from Route 4 North to West Lake and on the hillside that slopes down to 200 West Area. The miscellaneous solid debris includes concrete rubble, lumber, scrap metal, rusted cans, and roofing material. Two small wooden structures are located on the hillside. Each structure is 1.8 by 1.8 by 1.2 m (6 by 6 by 4 ft).
600-51	SW-1	600-51, Chemical Dump, Pile of White Powder	West of Route 4 North, between Route 1 and Route 11A; between the 1901-Z Building and well 699-64-62, just west of the export water line	N/A	N/A	White sodium powder compound	N/A	1 by 1.5 m (3 by 5 ft)	The site consisted of a pile of white powder next to the 1901-Z Building, which housed valves for the export water lines. Field sampling determined that the powder was a sodium compound. During a site inspection in October 1999, the white powder had been removed. However, the location of the pile was indicated by the lack of vegetation.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
600-65	SW-1	600-65, 607 Batch Plant Drum Site	0.5 mi east of the 200 Area Fire Station on Route 3. Turn north on dirt road into old batch plant and ICF-KH waste storage site; continue north into bottom of gravel pit; take first branch to the east to waste drum site. Site is 0.6 mile from Route 3 dirt road	N/A	N/A	Miscellaneous solid debris	N/A	3 by 3 m (10 by 10 ft)	The site consisted of miscellaneous solid debris including two crushed/flattened 55-gal drums, one oil-filter housing, one large concrete block, and possible soil staining from petroleum disposal. However, in 2001, the debris could not be located during a site inspection.
600-66	SW-1	600-66, 607 Batch Plant Orphan Drums	North of Route 3, ~400 m (~1,300 ft) east of the 607 Batch Plant	N/A	N/A	One 55-gal drum	N/A	1.5 by 1.5 m (5 by 5 ft)	The site consisted of one rusted 55-gal drum and one 5-gal drum. It is unknown which drum was labeled as "cutting oil." However, the 5-gal drum has been removed, and only the 55-gal drum remains at the site.
600-71	SW-1	600-71, 607 Batch Plant Burn Pit	West of Route 4, north of Route 3. At batch plant entrance road, turn east on the first dirt road; follow road for ~350 m (~1,150 ft); walk north ~23 m (~70 ft)	N/A	N/A	Miscellaneous solid debris	N/A	30 by 24 m (100 by 84 ft)	The site consists of charred ground and miscellaneous debris including wood, corrugated metal, oil cans, aerosol cans, paint cans, glass jars, paper, rope, rubber, roofing materials, metal piping, and scraps. Although this site is near the 607 Batch Plant, it is not likely associated with Batch Plant operations.
OCSA	SW-1	OCSA, Old Central Shop Area, Central Shop Area	Approximately half way between 200 East Area and West Area, south of Route 11A and north of Route 4 South	N/A	Central Shops supported construction efforts in 200 East, 200 West, 100-B, 100-D, and 100-F Areas	Miscellaneous solid debris and ash	N/A	N/A	The site consists of two pits, building foundations, and scattered debris including lumber, corrugated metal, bricks, shingles, buckets, office furniture, tables, and a barrel. Two burn pits also were located at the site. The shops also had three temporary fuel storage areas and a sanitary sewer system consisting of gravity feed lines to a septic tank and open settling ponds.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimensions	General Description
UPR-200-E-35	SW-2	UPR-200-E-35, Buried Contaminated Pipe, UN-218-E-1, 218-E-13	West of the PUREX Patrol Gate House, south of 4th St	1966	N/A	Concrete piping pieces and contaminated soil	N/A	14 by 12 m (46 by 40 ft)	The release resulted from an underground concrete line repair in August 1966. At the location of the repair, broken pieces of contaminated (<1 Ci fission products) concrete were buried. In 1980, a surface radiological survey did not detect any contamination at the site, so the posting was changed to Underground Radioactive Materials. However, a site visit in 1991 did not identify any postings or markings for the site.
"Characterize" Sites (Bin 3, 24 Sites)									
218-C-9	SW-2	218-C-9, Dry Waste No. 0C9, 218-C-9 Burial Ground	North of 7th St and north of Hot Semiworks Plant	Liquid discharges 1953 to 1983 and burial 1985 to 1989	201-E and the Hot Semiworks (C Plant)	Steam condensate liquid discharges and 2,265 m^3 (2,963 yd^3) of miscellaneous solid debris and soil	N/A	76 by 66 m (251 by 217 ft)	The burial pit is located at the east end of the dried 216-C-9 Pond. The dried pond was covered with a layer of washed gravel, and material from the deactivation and demolition material of the Hot Semiworks Plant was disposed. In August 1986, a fire was discovered in the burial pit. It was determined that metal frames cut with a torch had been placed in the pit before fully cooling and ignited flammable material. The entire site has been backfilled and surface stabilized. A routine radiological survey is performed annually. Debris at the site consists of radiologically contaminated concrete rubble, large equipment, roofing material, metal scrap, and other Hot Semiworks Plant demolition wastes. Contaminated soil from UN-216-E-37 and UN-216-E-39 also was placed in the pit.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-E-1	SW-2	218-E-1, 200 East Dry Waste No. 001	West of PUREX (202-A Building) and south of 4th St	1945 to 1953	N/A	Mixed fission product/TRU waste	N/A	148 by 88 m (486 by 290 ft)	The burial ground consists of 15 north-to-south trenches 61 m (200 ft) long, ranging from 5 to 6 m (16 to 20 ft) wide. In 1974, areas with surface depressions were filled to grade with cinders from the 284-E Powerhouse and topped with gravel. In October 1978, an area of previously buried waste was uncovered at the south end of a trench. The contamination was reburied and covered with clean soil. The entire burial ground was surface stabilized with 46 cm (18 in.) of clean soil and vegetated with wheat grass.
218-E-10	SW-2	218-E-10, 200 East Industrial Waste No. 10, Equipment Burial Ground #10	Northwest of B Plant and directly west of the 218-E-5A Burial Ground	1960	PUREX, B Plant, and 100-N	26,388 m^3 (34,300 yd^3) of equipment and mixed industrial wastes	4.6 to 7.3 m (15 to 25 ft) deep	Total site is 716 by 617 m (2,350 by 2,025 ft)	The site is located within the LLBG TSD unit. It consists of 16 trenches running north-south and one trench running east-west. Trenches range from 245 to 400 m (805 to 1,300 ft) long by 4.6 to 5 m (15 to 16 ft) wide. Spent equipment and mixed industrial wastes disposed to the site include cover blocks, tube bundles, jumper vessels, pumps, columns, filters, asbestos, lead, and di-n-octyl phthalate mixed low-level wastes. In June 1960, a partially covered burial box of PUREX tube bundles caused an airborne contamination spread (UPR-200-W-23). In 1980, Trenches 1 through 5 were backfilled and stabilized. The section was vegetated with grasses. Surface stabilization also was completed for the eastern 10 ha (25 acres) in 1980.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-E-12A	SW-2	218-E-12A, 200 East Dry Waste No. 12A	Northwest of the C Tank Farm and south of 218-E-12B Burial Ground	1953 to 1967	Tank farms, 108-F, offsite sources	15,249 m^3 (19,945 yd^3) of miscellaneous waste	N/A	Total site is 362 by 12 m (1,188 by 40 ft)	The site contains 28 burial trenches that received cardboard boxes and plastic bags of radioactive waste. Trenches 4 through 11, 15, 16, and 26 through 28 contain acid-soaked material. The specific contents of Trench 28 are not listed. A waste inventory logbook documents burials of tank farm dip tubes, an impact wrench, contaminated cable, jumpers, animal carcasses from 108-F, and an offsite shipment of depleted uranium. In June 1960, a burial box collapsed and caused spotty contamination in and around the burial ground (UPR-200-E24). In April 1961, a burial box collapsed during backfilling operations and spread contamination with maximum readings at 500 rad/h (UPR-200-E-30). The trenches were backfilled, and stabilization occurred in 1979 and 1980. Biobarriers installed at the site included polyethylene liners and ureabor (herbicide) to kill vegetation. The site was stabilized again in 1994 with 46 to 61 cm (19.8 to 24 in.) of clean fill.
218-E-12B	SW-2	218-E-12B, 200 East Dry Waste No. 12B, 218-E-12B Burial Ground - Trench 94	North of the C Tank Farm and south of 12th St	1967	200 East Area facilities, U.S. Navy	168,266 m^3 (218,700 yd^3) industrial wastes	All are 4.9 m (16 ft) deep	Total site is 1,259 by 698 m (4,130 by 2,290 ft)	The site is located within the LLBG TSD unit. The burial ground has the design capacity for 138 trenches running north to south; 36 trenches are filled, 2 were partially filled, and 1 was excavated and never used. The remaining trenches never were excavated. Trench 94 contains U.S. Navy submarine reactor compartments. The southern portion of the site (Trenches 1 through 17) was interim stabilized in 1981 with clean fill. In May 1995, 15 gal of diesel oil were spilled in Trench 94. The soil was removed and sent to the Hanford Central Landfill. In January 2000, two contaminated tumbleweeds were removed from the site.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-E-2A	SW-2	218-E-2A, Regulated Equipment Storage Site No. 02A, Burial Trench	North of B Plant and south of 218-E-2. A railroad spur separates 218-E-2 from 218-E-2A	1945 to 1950	N/A	N/A	N/A	98 by 14 m (320 by 46 ft)	The site contains a single east-west trench and was used as an aboveground storage site for contaminated equipment. There are no records or inventories for this site. A 1978 inspection noted a number of sinkholes. During 1979, several loads of soil were placed over the sinkholes, and the aboveground equipment stored was buried in the 218-E-10 Burial Ground. The site was surface stabilized with 0.3 m (1 ft) of soil, revegetated, and posted/marked as an underground radioactive material area in 1980 to 1981. The site is co-located with Burial Grounds 218-E-2, 218-E-4, 218-E-5, 218-E-5A, and 218-E-9.
218-E-5	SW-2	218-E-5, 200 East Industrial Waste No. 05, Equipment Burial Ground #5	North of B Plant and southeast of BX Tank Farm, adjacent to 218-E-2 Burial Ground	1954 to 1956	N/A	3,127 m^3 (4,090 yd^3) of miscellaneous debris	N/A	102 by 63 m (335 by 207 ft)	The site contains two areas of trenches. One area is 104 m (341 ft) long by 40 m (131 ft) wide and contains multiple narrow trenches that received industrial dry waste and small boxes. The second area is a single trench oriented north/south that is 102 m (335 ft) long by 20 m (64 ft) wide. This trench contains railroad boxcars contaminated by uranyl nitrate hexahydrate. The burial areas were stabilized and covered with 0.3 m (1 ft) of clean soil in 1980. The site is co-located with Burial Grounds 218-E-2, 218-E-2A, 218-E-4, 218-E-5A, and 218-E-9.
218-E-5A	SW-2	218-E-5A, 200 East Industrial Waste No. 005A, Equipment Burial Ground #5A	North of B Plant and southeast of BX Tank Farm, adjacent to the 218-E-5 Burial Ground	1956 to 1959	PUREX L Cell and K Cell	6,173 m^3 (8,740 yd^3) of PUREX failed equipment	N/A	37 by 30 m (120 by 100 ft)	Literature indicates that the site is one large burial trench that contains wooden boxes of spent PUREX equipment. The trench was backfilled in 1961. The site was stabilized in 1980, covered with 1 ft of clean backfill, and revegetated. The site is co-located with Burial Grounds 218-E-2, 218-E-2A, 218-E-4, 218-E-5, and 218-E-9.
218-E-8	SW-2	218-E-8, 200 East Construction Burial Grounds	North of the 218-E-12A, on the hillside adjacent to the 218-E-12B Burial Ground	1958 to 1959	N/A	2,265 m^3 (2,963 yd^3) miscellaneous solid debris MFP/TRU waste	N/A	122 by 35 m (400 by 115 ft)	The site consists of an unknown number of trenches. In 1979, contaminated tumbleweed fragments were found in the site and accumulated along the west boundary of the site. The trenches were backfilled, and the site was surface stabilized in 1980. An annual radiological survey is performed. Debris included construction and repair wastes from 293-A Building and the PUREX crane addition.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimensions	General Description
218-W-1	SW-2	218-W-1, 200-W Area Dry Waste No. 001, Solid Waste Burial Ground #1	Northwest of the 234-5Z Building; east of Dayton Ave, between the 218-W-2 and 218-W-11 Burial Grounds	1944 to 1953	N/A	7,164 m^3 (9,370 yd^3) miscellaneous unsegregated TRU waste	N/A	Total site is 159 by 140 m (521 by 485 ft)	The site contains 15 trenches that run east to west. Twelve trenches are "V" shaped 2.4 m (8 ft) deep and 5 m (16 ft) wide at ground level. The other three trenches are flat-bottomed at 2.7 m (9 ft) deep and 7.3 m (24 ft) wide at the surface. "V" trenches typically were used to dispose of small contaminated articles such as paper, filters, and small pieces of equipment. The flat-bottom trenches contain large pieces of contaminated equipment and wooden, metal, and concrete burial boxes. The trenches have been backfilled, and the site was stabilized in 1983. A surface radiological survey is performed annually.
218-W-11	SW-2	218-W-11, Regulated Storage Site	Northwest of the 234-5Z Building and north of 218-W-1	1960	Uranium Recovery Process and Sr/Cs Recovery Operations	1,160 m^3 (1,512 yd^3) miscellaneous solid debris	4.6 m (15 ft)	Total area is 152 by 61 m (500 by 200 ft)	The unit consists of two burial trenches 77 m (258 ft) and 46 m (150 ft) long, respectively. Before stabilization in 1983, a portion of the burial ground was used for aboveground storage of contaminated equipment. The waste is low-level contaminated equipment. A surface radiological survey is performed annually.
218-W-1A	SW-2	218-W-1A, 200-W Area Industrial Waste Burial Ground #1, Equipment Burial Ground #1	Northwest of 221-T, between two railroad spurs	1944 to 1960	N/A	13,705 m^3 (17,925 yd^3) equipment and industrial wastes	N/A	Total site is 184 by 139 m (605 by 457 ft)	The site is the first burial ground in the 200 West Area to receive large, contaminated equipment. The site contains approximately ten burial areas. The areas include typical trenches and "burial holes." The exact locations of the holes are not known. Most of the equipment was disposed of in wooden boxes that eventually rotted and settled, creating sinkholes. The sinkholes were filled in 1975 with 1.8 m (6-ft) thick concrete cell blocks and clean fill. Radiological surveys are performed annually.
218-W-2	SW-2	218-W-2, 200-W Area Dry Waste No. 002, Dry Waste Burial Ground No. 2	Northwest of the 234-5Z Building between 218-W-4B and 218-W-1	1953 to 1956	N/A	8,240 m^3 (10,778 yd^3) miscellaneous unsegregated TRU waste	N/A	Total site is 180 by 159 m (589 by 521 ft)	The site is a burial ground that contains 20 trenches running east to west. Before backfilling, waste was observed to be within 46 cm (18 in.) of the ground surfaces. Sinkholes were filled in 1974. The site was surface stabilized in 1983 with a minimum of 0.6 m (2 ft) of clean fill and vegetated. A surface radiological survey is performed annually.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimensions	General Description
218-W-2A	SW-2	218-W-2A, Industrial Waste No. 02A, Equipment Burial Ground #2	West of the 221-T Building, north of 23rd St, and directly east of the 218-W-3 Burial Ground	1954 to 1985	200 Area facilities including T-Pond soil, REDOX, B Plant, and 234-5Z	25,143 m^3 (32,886 yd^3) equipment and industrial wastes	N/A	Total site is 536 by 340 m (1,758 by 1,116 ft)	The site is an industrial burial area with 19 trenches; 17 run east to west and 2 run north to south. Solid wastes disposed to the site includes tanks, concrete blocks, facility wastes, process equipment, contaminated soil scraped from the 216-T-4-1 Pond (Trench 27), REDOX centrifuges, jumpers, pumps, filters, and miscellaneous cell equipment and wastes. Trench 21 contains a plutonium glovebox. In January 1959, a contamination spread occurred when a burial box containing REDOX jumpers collapsed during backfill operations (UPR-200-W-53). The site was backfilled and surface stabilized in 1980. However, the site remained active until 1985 because of two unused trenches and the cell block burial sites. An undocumented burial box was discovered in June 1983 while extending an active trench. The site was re-stabilized with clean fill and gravel in 2001.
218-W-3	SW-2	218-W-3, Dry Waste No. 003	West of the 221-T Building and directly west of the 218-W-2A Burial Ground	1957 to 1961	Hanford Site facilities and offsite sources	25,143 m^3 (32,886 yd^3) equipment and industrial wastes	N/A	Total site is 218 by 155 m (716 by 510 ft)	The site consists of 20 trenches that range from 122 to 145 m (400 to 475 ft) long with unknown widths. The site received miscellaneous unsegregated mixed TRU and non-TRU wastes including 109 drums of depleted uranium scrap from California and Oregon (Trench 17), a vehicle ID# 491 (Trench 14), and 49 barrels of depleted uranium from Colorado and Oregon (Trench 14). The site is backfilled and was surface stabilized in 1983. A surface radiological survey is performed annually.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-W-3A	SW-2	218-W-3A, Dry Waste No. 003A	West of the 221-T Building and north of 218-W-3 Burial Ground	1970 to present	S Tank Farm, 102-S tank piping, wastes from 234-5Z and 231-Z, 100-N, HEHF, and offsite sources	101,634 m^3 (132,100 yd^3) industrial, TRU, non-TRU, and mixed waste including various solvents, metals, and asbestos	3.7 to 5.8 m (12 to 19 ft)	Total site is 747 by 283 m (2,450 by 930 ft)	The site is located within the LLBG TSD unit. The site was designed to contain 61 trenches running in an east to west direction. Four trenches have not been dug, and the rest range from 123 to 284 m (403 to 930 ft) in length. The side slopes are 1:1 or as required to match the natural angle of repose. The site received industrial, TRU, and non-TRU wastes from various Hanford Site and offsite sources including Three Mile Island TMI-2 nuclear plant; GE-Vallecitos, California; Livermore National Laboratory, Energy Systems Group; and Battelle Columbus Laboratory. Chemical wastes disposed to the burial ground since 1987 include 1,2,4-trimethylbenzene, acetonitrile, mercury, asbestos, barium, beryllium, butyl acetate, cadmium, chromium, cyclohexanone, dibutyl-n/n-diethylcarbomyl phosphate, dioxane, ethanol, ethanolamine, isopropyl alcohol, lead, methanol, naphthalene, NPHs, oil, silver, Toluene, TBP, trioctylphosphine oxide, and xylene. On January 1997, an RCT discovered beta/gamma contamination caused by pieces of wind-blown tumbleweeds at Trench 26. Routine airborne and groundwater monitoring is performed. Perimeter radiological surveys are conducted annually.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-W-3AE	SW-2	218-W-3AE, Industrial Waste No. 3AE, Dry Waste No. 3AE	East and adjacent to the 218-W-3A Burial Ground in the 200 West Area	1981 to present	N/A	34,330 m^3 (44,600 yd^3) of miscellaneous wastes	4.9 to 6.1 m (16 to 20 ft)	Total site is 500 by 453 m (1,640 by 1,486 ft)	The site is located within the LLBG TSD unit. It originally was designed to contain 24 trenches. However, it was re-designed to contain only 12 trenches at deeper depths. Only eight of the trenches were excavated; three of these are only partially filled. The location of this site also included a portion of the 216-T-4B Seepage Pond. The site receives miscellaneous wastes including rags, paper, rubber gloves, disposable supplies, broken tools, and industrial waste such as failed equipment, tanks, pumps, ovens, agitators, heaters, hoods, jumpers, etc. Trenches 2 and 3 have remote-handled low-level waste. Chemicals disposed to this site include aluminum, asbestos, beryllium, bis(2-ethylhexyl)phthalate, calcium carbonate, cement, charcoal, clay, silicas, talc, copolymer of styrene, copper, graphite, uranium, steel, yttrium oxide, and various solvents.
218-W-4A	SW-2	218-W-4A, Dry Waste No. 04A	Southeast of the intersection of 23rd St and Dayton Ave	1961 to 1968	Uranium drums from offsite sources; equipment from 231-Z, 234-5Z, RECUPLEX, REDOX, 222-U, Boeing Company missile parts, 300 Area laboratories	Miscellaneous, unsegregated mixed TRU and non-TRU waste including 500 drums of depleted uranium, failed equipment; plutonium-contaminated laboratory waste	N/A	Total site is 274 by 268 m (900 by 879 ft)	The site is a burial ground that contains 21 miscellaneous dry waste trenches oriented east to west and six vertical pipe units or drywells. All trenches are 9 m (30 ft) wide and range in length from 149 to 295 m (490 to 696 ft). The vertical pipe units were installed near the east end of Trench 16 and consist of five 55-gal drums welded together with the lids and bottoms removed; they were placed 4.6 m (15 ft) bgs. Two larger caissons may be located between Trenches 17, 18, and 19. Trenches 16 and 20 received high-level plutonium wastes from PFP. Trench 19 is marked as RECUPLEX on drawing H-2-32487. In July 1952, a fire in the burial ground spread contamination and is recorded as UPR-200-W-16. Spotty contamination was released during operations in November 1953 (UPR-200-W-26). In January 1959 a box containing REDOX cell jumpers collapsed (UPR-200-W-53), and in October 1975 a release of previously buried waste occurred (UPR-200-W-72). The site was stabilized in 1983.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
218-W-4B	SW-2	218-W-4B, Dry Waste No. 04B	Northwest of the 234-5Z Building, directly west of 231-Z Building	1967 to 1990	100, 200, and 300 Areas Hanford Site wastes and offsite sources	10,466 m^3 (13,600 yd^3) miscellaneous high-level, MFP, segregated, unsegregated TRU debris including rags, paper, cardboard, plastic equipment	N/A	Total site is 189 by 159 m (620 by 520 ft)	The site is located within the LLBG TSD unit. The site contains 13 trenches and one row of 12 caissons (5 alpha, 6 MFP, and 1 silo-type used for high-activity N Reactor wastes). Trenches 7 and 11 contain retrieval TRU waste. Four of the 5 alpha caissons were used from 1970 to 1979. The alpha and two of the MFP caissons are 2.7 m (8.8-ft-) diameter, 3 m (10 ft) high concrete containers with steel lifting lugs and a 91 cm (36-in.-) diameter access chute. Two of the MFP caissons are constructed of corrugated steel. The silo-type caisson is a 3 m (10-ft-) diameter, 9 m (30-ft-) tall container placed on a concrete foundation with a concrete shielding top slab; it has a 107 cm (42-in.-) diameter access chute. All caissons are equipped with air-filtering systems. Trenches 1 through 6 were surface stabilized and backfilled with clean soil in 1983. Trench 7 is covered with a 1.2 m (4 ft) soil mound. The remaining trenches were backfilled after use and stabilized with clean gravel in 1995. The site is monitored for surface contamination, airborne contamination, and subsidence control. A radiological survey is performed annually.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Operation	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimensions	General Description
218-W-4C	SW-2	218-W-4C, Dry Waste No. 004C	Southwest of the 234-5Z Building, east of Dayton Ave. Smaller section is located directly south of the 234-5 Building, north of 16th St	1974 to present	Spent Hanford Site fuel and wastes from the 100-N, 100-K, and 100-B Areas, 234-5Z/PFP and RECUPLEX wastes; several offsite sources including GE, Babcock & Wilcox, Fermi National Laboratory, Exxon, Bartleville Energy Tech Center, Battelle Columbus, and Chemical Nuclear System	20,473 m^3 (26,600 yd^3) of waste including plutonium-contaminated soil from 216-Z-9; MFP, TRU and mixed TRU wastes both segregated and unsegregated; high-level and low-level	N/A	Main portion is 774 by 300 m (2,540 by 685 ft) Unused Annex is 216 by 209 m (709 by 685 ft)	The site is located within the LLBG TSD unit. The 218-W-4C Burial Ground has two parts. The unit is designed to contain up to 65 trenches. Only 14 trenches have been excavated; 6 of these are only partially filled. The burial ground annex area never has been used. The trenches run east to west and range in length from 91 to 220 m (300 to 719 ft). Some trenches are asphalt lined and contain retrievably stored TRU waste. The Z Plant burning pit was located at this site and operated during the late 1940s and early 1950s. The site burn pit reportedly was excavated in the 1970s during the construction of Trench 7. Trenches 1, 4, 7, 20, 24, and 29 contain retrievably stored, suspect TRU waste. Trench 19 contains one drum of CH-TRU that is mixed with low-level waste. Trench 19 is being evaluated for redefinition as a low-level waste trench. Trench 1 contains drums with plutonium-contaminated soil from the 216-Z-9 Trench and noncombustible TRU waste. Trench 4 contains drums of assorted combustible TRU waste and one module of noncombustible TRU waste. Routine airborne monitoring, radiological surveys, soil gas, and groundwater monitoring are performed routinely.
218-W-5	SW-2	218-W-5, Dry Waste Burial Ground, Low-Level Radioactive Mixed Waste Burial Grounds	West of Dayton Ave and north of 23rd St	1986 to present	N/A	73,940 m^3 (96,100 yd^3) low-level and mixed solid wastes	N/A	1013 by 360 m (3,322 by 1,181 ft)	The site is an active TSD unit. In 1979, a large area adjacent to the northwest corner of 200 West Area was annexed and designated as the Central Waste Complex and the 218-W-5 Burial Ground. The Burial Ground is designed to contain 18 low-level and four mixed waste trenches. Currently there are 11 inactive low-level trenches, 1 of which contains post-August 19, 1987, mixed waste. The Hanford Site's only two currently active RCRA-compliant mixed waste trenches are located at this burial ground (Trenches 31 and 34). The active mixed waste trenches are constructed with a polyethylene liner. Routine airborne and groundwater monitoring is conducted.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
600 CL	SW-1	600 CL, 600 Area Central Landfill, Central Landfill, Central Waste Landfill, CWL, Solid Waste Landfill, SWL, 671	Southeast of 200 East Area on Army Loop Road (south of Route 4 South)	1973 to 1996	N/A	596,000 m^3 (780,000 yd^3) miscellaneous solid debris, sewage, and liquids	N/A	Area is 15.4 ha (38 acres)	The site consists of 39 unlined solid waste trenches and 5 unlined liquid disposal trenches. All the trenches have been backfilled and are enclosed by an 8-ft fence with lockable gates. The landfill was developed in phases. In 1973, the first trench (JA Jones Trench) accepted sanitary waste, construction and demolition debris, asbestos, and liquid waste. In 1975, the northern 10 acres (NRDWL, or Trenches 1N, 2N, 18N, 19N, and 20-34) were isolated for disposal of asbestos and nonradioactive chemical waste. Phase II expanded the landfill south, and Trenches 36 through 54 received liquid sewage and 1100 Area catch tank liquids. From 1982 to 1987, sewage was placed in three additional trenches to the west. After 1987, liquid waste no longer was accepted, and since March 1996 all sanitary wastes have been sent to the City of Richland Landfill. Inspections are performed quarterly using a monitoring system consisting of a large basin and lysimeter. Leachate was noticed in July 1996 and initially collected at a rate of 10 gal/wk. The leachate is sampled and disposed of at the 300 Area Treated Effluent Disposal Facility. Routine gas and groundwater monitoring also are conducted. Before 1982, detailed logbooks were not maintained and chemicals disposed were not recorded. It is estimated that 40% (vol) of the waste is paper, 10% is asbestos, and 1% to 5% are sewage and 1100 Area catch basin wastes. The remainder of the waste is miscellaneous office and construction debris, bulky containers, medical wastes, appliances, furniture, and chemicals.

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description
600 NRDWL	SW-1	600 NRDWL, 600 Area Nonradioactive Dangerous Waste Landfill, NRDW Landfill, Nonradioactive Dangerous Waste Landfill (Central Landfill), NRDWL	Southwest of the intersection with Route 4 South and southeast of the 200 East Area on Army Loop Road	1975 to 1985	Various Hanford Site operations/ processes	Laboratory chemicals, solvents, waste paints, oils, and empty containers; miscellaneous solid debris	Typical trench depth is 4.6 m (15 ft)	Typical trench length and width is 122 by 5 m (400 by 16 ft)	The site is a RCRA TSD unit. The landfill consists of 19 unlined trenches that are all backfilled. Dangerous waste generated from various process operations, research laboratories, maintenance activities, and transportation functions throughout the Hanford Site. Trenches 18N, 24, and 32 never were used. In March 2001, the average conductance value for groundwater exceeded the critical mean value in wells 699-25-34A&B (CCN 089215). No free liquids have been disposed in the landfill. All liquids disposed were containerized. Quarterly radiation surveys and groundwater monitoring are conducted. In 1993 and 1997, soil gas surveys were performed and various VOCs were detected in each event (WHC-SD-EN-TI-199).
UPR-200-E-95	SW-2	UPR-200-E-95, UN-216-E-23, UN-200-E-95, Ground Contamination Around RR Spur Between 218-E-2A and 218-E-5	Release occurred at railroad spur north of the 221-B Facility between the 218-E-2A and 218-E-5 Burial Grounds	1980	PUREX and 221-B spent equipment stored on rail cars	Contaminated soil	N/A	250 by 5 m (820 by 16 ft)	Material including spent equipment from B Plant and PUREX was stored on the beds of railroad flat cars. Over time, this has contaminated the rail bed. The track was posted as a Contamination Area. It was covered with gravel and re-posted as an Underground Radioactive Material area. In 1996, no rail cars were observed on the spur. A routine annual radiological survey is performed.

CCN 089215, "Notification of Exceedance Critical Mean Value for Specific Conductance at the Non-Radioactive Dangerous Waste Landfill."
H-2-32487, *218-W-4A Dry Waste Burial Site*, Hanford Site Drawing.
Resource Conservation and Recovery Act of 1976, 42 USC 6901, et seq.
Waste Information Data System, Hanford database.
WHC-SD-EN-TI-199, *NRDWL Soil Gas Survey Final Data Report.*

Table B-2. Summary of Information for Bins 1 through 3 ("No Planned Remediation," "Removal, Treatment, and Disposal," and "Characterize" Sites). (32 Pages)

Site Code	OU	Site Name	Location	Dates of Opera-tion	Source Facility	Contaminant Inventory/Volume Released	Depth	Waste Site Dimen-sions	General Description

ADB = ash disposal basin.
bgs = below ground surface.
BP = burning pit.
BP = Batch Plant.
c/min = counts per minute.
CF = construction forces.
CH-TRU = contact-handled-transuranic.
CL = Central Landfill.
CP = construction pit.
CWL = Central Waste Landfill.
Ecology = Washington State Department of Ecology.
Fluor Hanford = Fluor Hanford, Inc.
GE = General Electric Company.
HEHF = Hanford Environmental Health Foundation.
HISS = Hanford Inactive Site Survey.
HWSA = hazardous waste storage area.
ICF-KH = ICF Kaiser Hanford Company, Incorporated.
MFP = mixed fission product.
N/A = not applicable.
NPH = normal paraffin hydrocarbon.
NRDWL = Nonradioactive Dangerous Waste Landfill.
OCL = Original Central Landfill.
OU = operable unit.
PAP = Powerhouse Ash Pit.
PCB = polychlorinated biphenyl.
PFP = Plutonium Finishing Plant.
PUREX = Plutonium-Uranium Extraction (Plant).
PVC = polyvinyl chloride
RCRA = *Resource Conservation and Recovery Act of 1976.*
RCT = radiological control technician.
REDOX = Reduction-Oxidation (S Plant).
RLS = radiological logging system.
RR = railroad.
SW-1 = 200-SW-1 Nonradioactive Landfills and Dumps Operable Unit.
SW-2 = 200-SW-2 Radioactive Landfills and Dumps Operable Unit.
SWL = Solid Waste Landfill.
SWMU = solid waste management unit.
TBP = tributyl phosphate.
TRU = transuranic (waste materials contaminated with more than 100 nCi/g of transuranic materials having half-lives longer than 20 years).
TSD = treatment, storage, and/or disposal (unit).
UPR = unplanned release.
VOC = volatile organic compound.

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APPENDIX C

PLATE MAPS

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APPENDIX C

PLATE MAPS

NOTE: Plates 1, 2, and 3 are located in the pockets.

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Plate 1. 600 Area

600 Area

200-SW-1 & 200-SW-2 Operable Unit Work Plan

- Wells
- Road
- Railroad
- Core Zone
- Building
- Fence
- Tank Farm

NonRAD 200-SW-1 Sites

RAD 200-SW-2 Sites

- Samples, no remediation
- Excavate & Remove
- Characterize

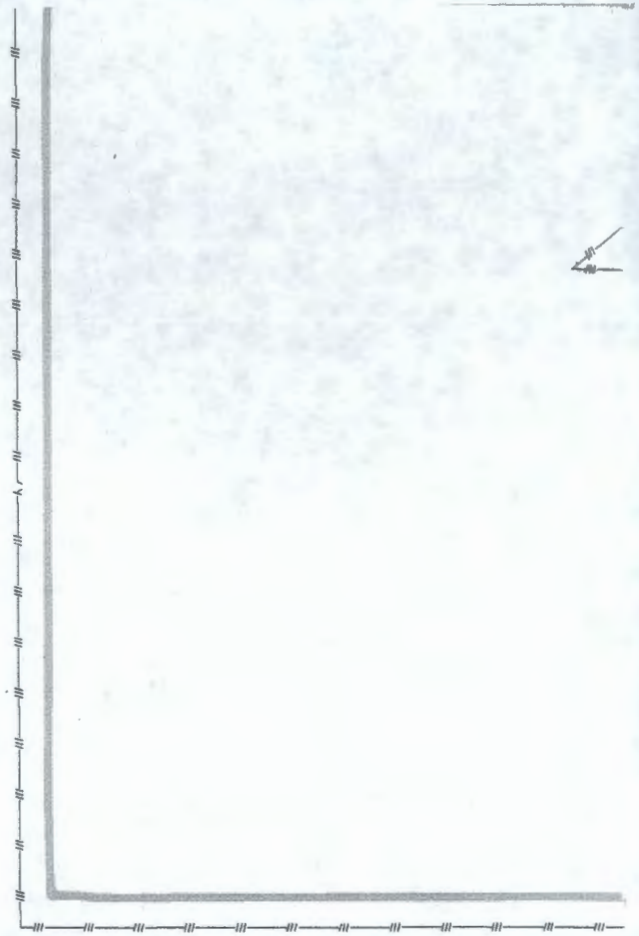

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Plate 2. 200 West Area

200 West Area

200-SW-1 & 200-SW-2 Operable Unit Worl

- Wells
- Road
- Railroad
- Building
- Fence

NonRAD — 200-SW-1 Sites

RAD — 200-SW-2 Sites

- Samples, nc
- Excavate &
- Characterize

200 East Area

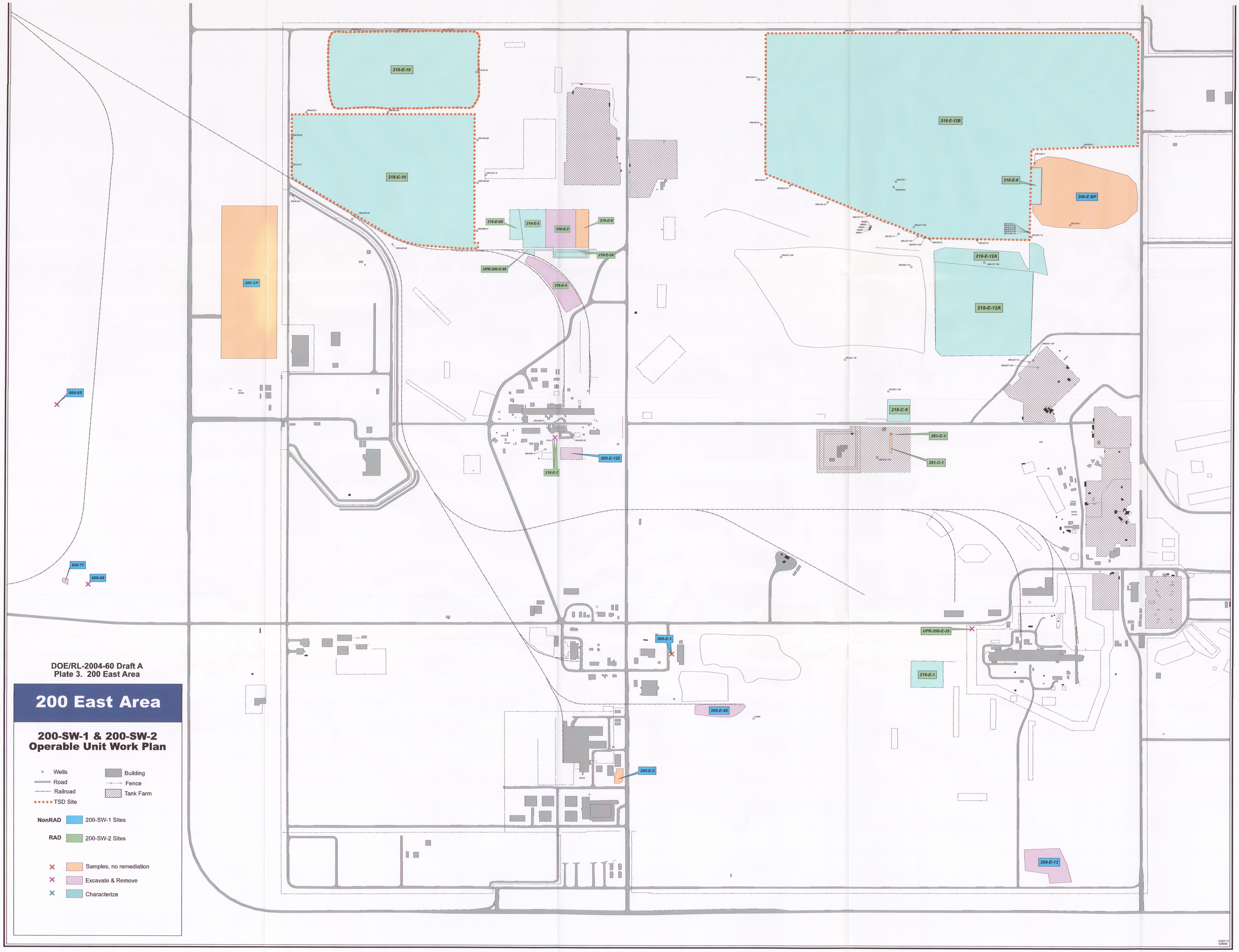
200-SW-1 & 200-SW-2 Operable Unit Work Plan

- Wells
- Road
- Railroad
- TSD Site
- Building
- Fence
- Tank Farm

NonRAD 200-SW-1 Sites

RAD 200-SW-2 Sites

- Samples, no remediation
- Excavate & Remove
- Characterize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218-E-4
218-E-7
200-E-122
218-E-12B
218-E-8
200-E BP
218-E-12A
218-E-12A
218-C-9
291-C-1
291-C-1
600-65
600-71
600-66
200-E-1
UPR-200-E-35
218-E-1
200-E-46
200-E-2
200-E-13
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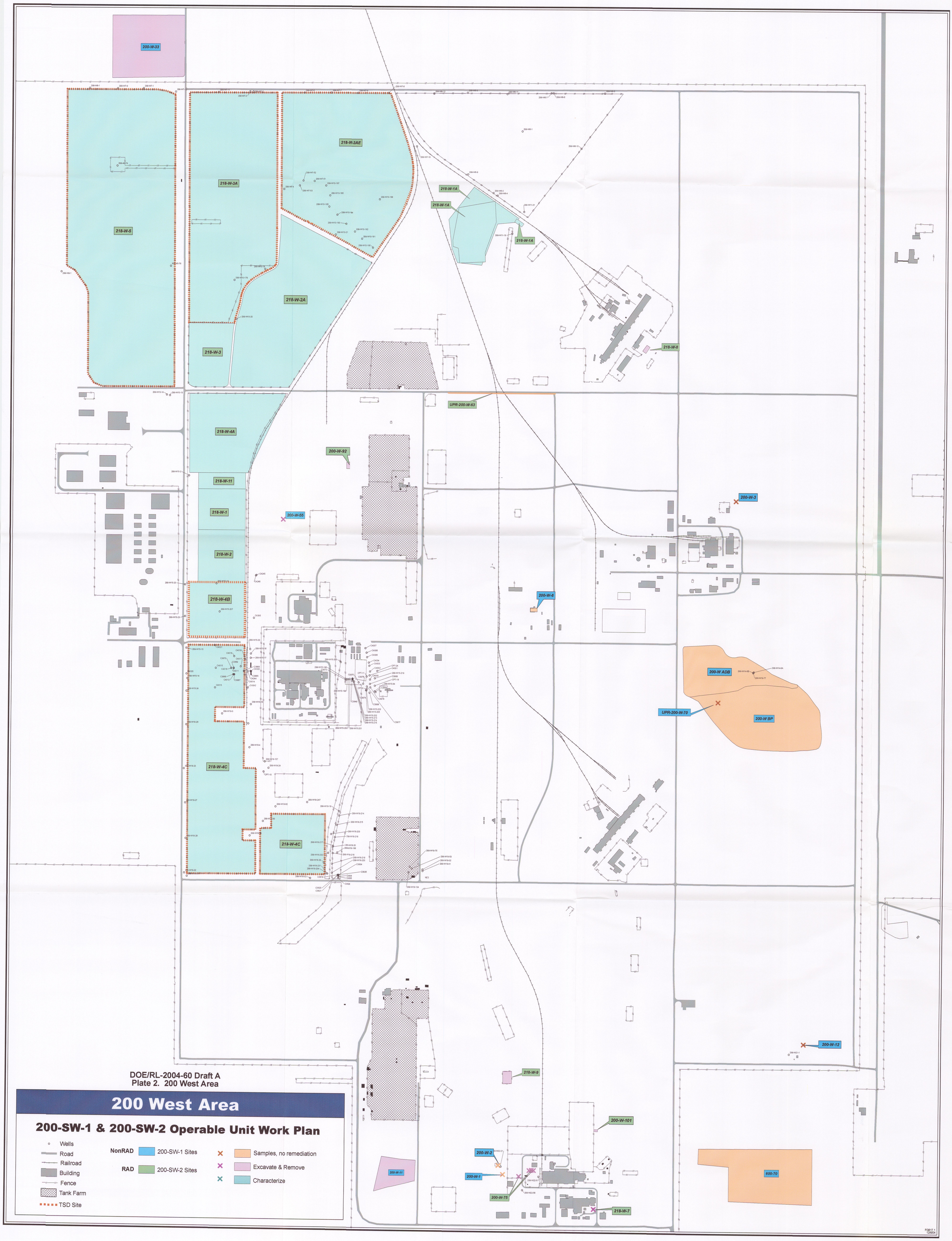
Plate 3. 200 East Area
200 East Area
200-SW-1 & 200-SW-2
Operable Unit Work Plan
Wells
Road
Railroad
TSD Site
Building
Fence
Tank Farm
NonRAD
200-SW-1 Sites
RAD
200-SW-2 Sites
Samples, no remediation
Excavate & Remove
Characterize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218-W-2
200-W-3
200-W-6
218-W-4B
200-W ADB
UPR-200-W-70
200-W BP
218-W-4C
218-W-4C
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200-W-101
200-W-2
200-W-1
200-W-75
200-W-11
218-W-7
600-70
200-W-12
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Plate 2. 200 West Area
200 West Area
200-SW-1 & 200-SW-2 Operable Unit Work Plan
Wells
Road
Railroad
Building
Fence
Tank Farm
TSD Site
NonRAD
200-SW-1 Sites
RAD
200-SW-2 Sites
Samples, no remediation
Excavate & Remove
Characterize
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Plate 1. 600 Area

600 Area

200-SW-1 & 200-SW-2 Operable Unit Work Plan

- Wells
- Road
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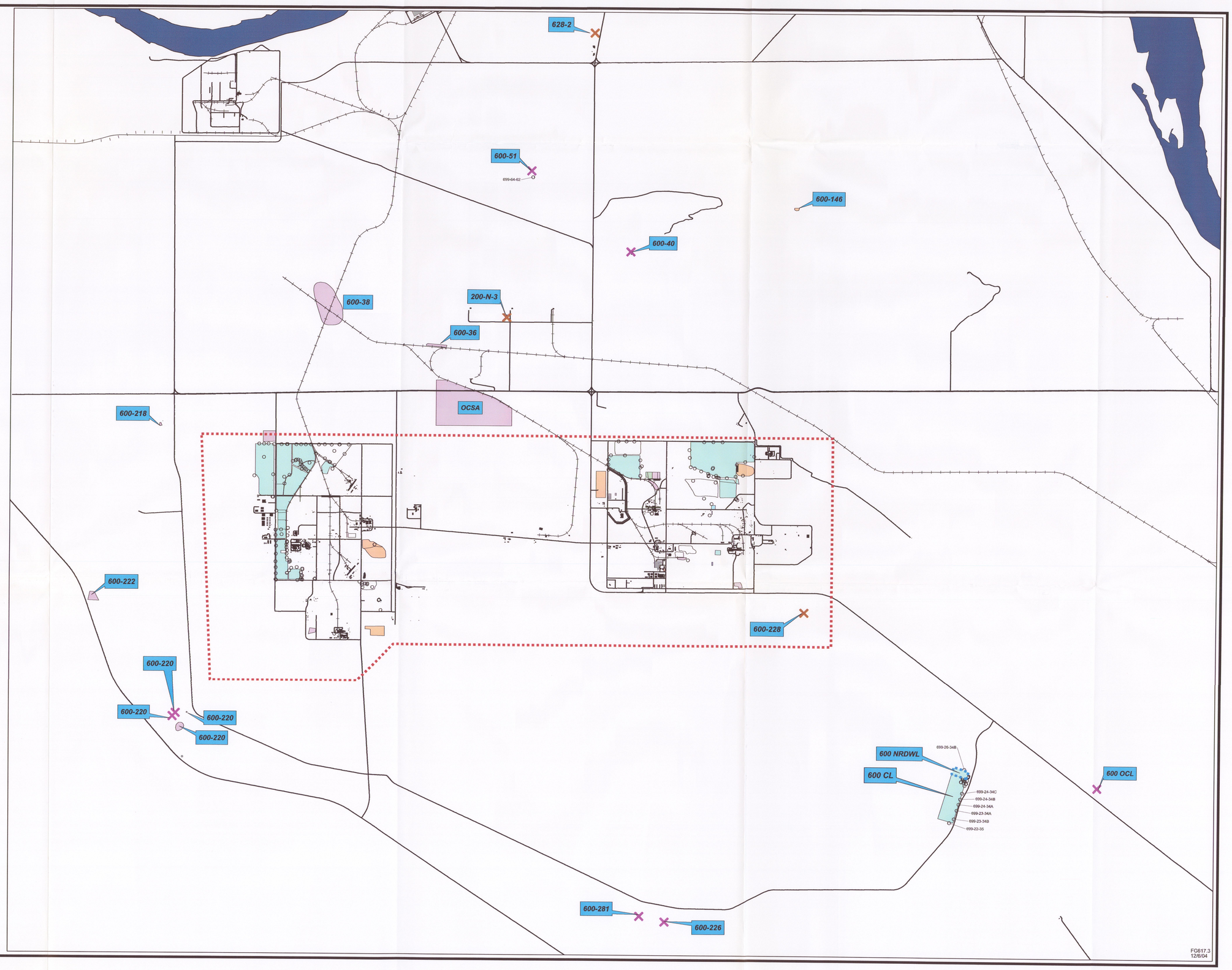
- Core Zone
- Building
- Fence
- Tank Farm

NonRAD — 200-SW-1 Sites

RAD — 200-SW-2 Sites

- Samples, no remediation
- Excavate & Remove
- Characterize