

Exhibit C.9a Test Area North Facilities - Demolish

Building Number	Building Name	Area (sq ft)	Number of Floors	Number Below Grade	Year Built	Facility Construction/Characteristics	Facility Usage/Capabilities	Occupied	Contaminated	Type	Level	Related Documents	Comments
TAN-603	Steam Plant	4,442											
TAN-608	Water Filtration Building	470											
TAN-611	Fuel Pump House	419	1		0 1954	Masonry Exterior Walls. Area: 38.9 m <sup>2</sup> (419 ft <sup>2</sup> ). Built: 1954. Construction Type: Masonry Exterior Walls, Building Features: One story. Walls: pumice block. Roof: built up with steel trusses and metal roof deck. Floor: concrete. Utilities: Power 480 V, 120 V, 480 V	Currently in use. Pumps fuel from the TAN-704 tank to the TAN-603 boilers.	No	No			HAD-89	asbestos posted
TAN-623	Sewage Pump House	108	1		0 1954	Masonry Exterior Walls. Area: 10 m <sup>2</sup> (108 ft <sup>2</sup> ). Built: 1954. Construction Type: Masonry Exterior Walls, Building Features: One story. Walls: pumice block. Roof: wood rafters and deck with felt roofing. Floor: concrete. Utilities: Power: 480V, water, alarm.	Active sewage transfer station	No	Minor probable	bg			RAD Special instructions posted, Contact RADCON Before performing work
TAN-630	Control & Equipment Bldg	22354	2		1 1959	Reinforced Concrete. TAN-630 is the control and equipment building for LOFT. It is a two-level structure covered with an earth berm. The ground level houses the control room, data rooms, office space, and operations support rooms. The basement contains facility utility systems that are not in use. A tunnel connects TAN-630 with TAN-629, which is the SMC assembly building, but for SMC security purposes, the door between TAN-629 and TAN-630 is welded shut.	LOFT Control building, not in use, limited electrical and emergency systems in operation to support SMC	No	Yes	bg	minor probable in systems	ASA-650	At CTF/LOFT area. RAD Special Instructions posted. Contact RADCON Before performing work, possible internal system contamination. See VCO SITE-TANK-005 systems TAN-001, -008, and -010.
TAN-633	Hot Cell Annex	3296	1		0 1954	Masonry Exterior Walls. Hot cell facility.	TSF hot cell facility, not currently in use, limited utility support at the present time. Supported various TAN-607 operations and experiments.	No	Yes	bg	<1000dpm	HAD-227, SAR-208	Currently Out of Service, Rad levels <1mR/h
TAN-649	Water Filtration Building	257											
TAN-655	Liquid Waste Lift Station	225	1		1 1972	Reinforced Concrete. Area: 20.9 m <sup>2</sup> (225 ft <sup>2</sup> ). Built: 1972. Construction Type: Reinforced Concrete. Building Features: One story. Walls: concrete. Roof: concrete. Floor: concrete. Underground concrete sump. Utilities: Power, potable water, alarm panels (level and flow alarm).	Sewage lift station. Active.	No	Yes, minor probable	bg			RAD Special Instructions Posted
TAN-666	Rad. Liq. Wst. Tnsfr. & Sig.	1599	1		0 1980	TAN-666 is a steel-reinforced concrete structure located west of the TAN Hot Shop, across the paved access road. The facility was designed to receive and temporarily store liquid waste generated in the TAN Hot Shop, Hot Cell, and Hot Cell Annex. The building contains a tank vault, pump vault, filter shed, and outside concrete pad. The tank vault contains two 15,000-gal storage tanks that rest horizontally, side by side, with a 5 ft high concrete wall separating them. The pump vault contains a vertical 600-gal capacity surge tank and two 200-gpm waste transfer pumps. The pumps transfer liquid waste from either storage tank or the surge tank to another storage tank, or to a transfer truck for disposal. The filter shed contains a cyclone separator and associated piping, which is used to filter out particulates from the waste to prevent clogging and to help minimize the buildup of sludge in the storage tanks. The material collected by the separator is directed to a sludge tank. The sludge tank was designed to be removed, cleaned, and replaced as required.	Nuclear Waste Processing And/Or Handling Building	No	Yes	bg	934dpm	SAR-208, HAD-227	Rad Levels 2mR/h to 300mR/h
TAN-668	Heavy Equipment Cleaning	2760	1		0 1985	Steel Framed The HECE, also known as the Hot Shop extension, provides a waiting area for trucks and components scheduled to enter the TAN Hot Shop. The HECE may also be used as a temporary storage of waste and other materials used during operations	Currently in use to support TAN Hot Shop activities. This building is a vestibule to the hot shop in TAN-607. It is used for staging and cleaning equipment entering or leaving the hot shop.	No	yes	bg	107dpm	SAR-208	Asbestos Posted
TAN-686	Office Trailer	3000	1		0 1985	Trailer (personal Property) TAN-686 Area: 278.7 m <sup>2</sup> (3,000 ft <sup>2</sup> ). Built: 1985. Construction Type: Trailer (personal Property). Building Features: Double wide trailer	Office space attached to TAN 607	Yes	Yes, minor	bg		HAD-89	Possibly contaminated shower, Asbestos posted
TAN-1601	Storage Bldg	560	1		0 1994	<del>Steel Framed. Currently empty 1601 Area: 52 m<sup>2</sup> (560 ft<sup>2</sup>). Built: 1994. Construction Type: Steel Framed.</del>	<del>Storage Shed used for occasional storage of materials</del>	<del>No</del>	<del>No</del>			<del>HAD-89</del>	<del>empty</del>
TAN-704	Boiler fuel tank					TAN-704 720000 L (190000 gal) capacity. Berm capacity: 870000 L (230000 gal)	Currently in use. Supplies fuel to boilers in TAN-603.		No			HAD-89	TSF Area, 190,000 Gal. Currently in use
TAN-711	Sewage treatment plant					TAN-711 Area: 45 m <sup>2</sup> (490 ft <sup>2</sup> ). Primary treatment. Capacity: 30000 L/day (8000 gal/day).	Active trickling filter sewage treatment		Minor Probable			HAD-89	TSF area Currently in operation
TAN-722	Substation 1500 kVA					Located east of TAN-607 embankment. Fenced yard. Area: 35 m <sup>2</sup> (380 ft <sup>2</sup> ). Transformer 5-225. Capacity: 1500 KVA Voltages: 13.8 kV to 480 V.	In service		No			HAD-89	TSF Area, Supplies TAN-607
TAN-726	Hot Liquid Waste Storage Tank/Vault	2,000											
TAN-727	Sheltered Stairway	500											
TAN-734	Exhaust stack (TAN-607)					Main ventilation stack for TAN-607. ~ 200 feet high steel stack. ~ 4 feet in dia. At base. Free standing. At NE corner of TAN-607.	In service		Minor possible				TSF Area Currently in use

Exhibit C.9a Test Area North Facilities - Demolish

DE-AC07-05ID14516

TAN-740	Liquid waste disposal pond					TAN-740 South west of TSF area. Also know as TSF-07 environmental area. A 35 acre unlined disposal pond. Parts of it with radiological contaminated in counts per minute.	In service			Yes, minor			HAD-89	TSF Area
TAN-766	Diesel Fuel Tank, DF-T-14	300												
TAN-778	Water blowdown tank (TSF)					1,150 gal., vertical, metal, above-ground tank.	Boiler blow-down tank is in service in support of TAN-603 boilers			No			HAD-89	In Operations supports TAN-603 Boilers
TAN-795	TAN substation					Fenced concrete pad. Area: 16 m <sup>2</sup> (175 ft <sup>2</sup> ). Transformer 5-141. Capacity: 500 KVA. Voltages: 13.8 kV to 480 V.	In use. Main service to TAN-607			No				South of TAN-607. Currently in use
TAN-1731	Substation					TAN-1731 Located west side of TAN-607A. Area: 71 m <sup>2</sup> (760 ft <sup>2</sup> ). Transformer: 5-941, 5-624. Voltage: 13.8 kV to 480 V.	In service. Services TAN-607A			No			HAD-89	SMC substation
TAN-1734	Emergency generator fuel tank					Located outside TAN-603. Underground tank built in 1994. 3800 L (1000 gal) capacity.	In service.			No			HAD-89	UST near TAN-607 Supplies Emergency Generator in TAN-607
TAN-1735	Emergency generator fuel tank					1,000 gal. underground tank.	In service			No				UST near TAN-603 Supplies Emergency Generator in TAN-603