

Exhibit C.9b Test Area North Facilities - Disposition

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-607	Hot Shop/Manufacturing & Asmby	150701	5	1	1954	Masonry Exterior Walls. TAN-607 is the largest and most complex facility in the TSF portion of TAN. It includes a large hot shop, a warm shop, a spent fuel storage pool, and a hot cell with an underlying tunnel, and various water treatment, ventilation, utility and equipment and storage areas. The TAN Hot Shop is a large, shielded high bay with overhead cranes, a large overhead manipulator, auxiliary wall-mounted manipulators, and other equipment for remote handling of radioactive material. Twelve ports for the shielding windows are built at different elevations into the north and south TAN Hot Shop walls. Nine of these ports contain windows and three contain high-density concrete shield plugs. These windows are combination-type shielding windows containing mineral oil, zinc bromide, and leaded glass. One window, Window G, contains demineralized water instead of zinc bromide. The SES room is an extension on the east end of the TAN Hot Shop.	Nuclear Contaminated Storage Spent Fuel has been removed. Final disposition of the storage pool materials and water is underway.	Yes	Yes	bg	8000dpm	SAR-208; ASA for TAN-607A	Hazard Category 2: TAN Operations area consists of TAN-607, TAN-647, TAN-648, TAN-790, TAN-791, and TAN-1703. Rad Levels up to 400mR/hr Hot shop 80mR/h Hot Cells. Also see VCO SITE-TANK-005 system TAN-031. Utilities include water, fire water, sewer, electrical, and telephone/computer.
						The finished floor elevation of the SES room is approximately 13 ft above the Hot Shop floor, and a 5-ft thick concrete parapet, separating the SES room from the Hot Shop, rises another 13 ft above the SES room floor. 12 A set of 5ft thick biparting concrete shield doors isolate the SES room from the Hot Shop. These doors extend from the parapet to the roof. A 110/10-ton overhead crane is the major lifting device for handling casks and other heavy equipment in the TAN Hot Shop. The Hot Shop also contains an overhead manipulator. The manipulator (O-man) is a heavy duty, bridge- and trolley-mounted, remote electromechanical manipulator. A set of rails mounted on a wall ledge below the 110/10 ton overhead crane carries the manipulator bridge the full length of the TAN Hot Shop and SES. Three wall-mounted, electromechanical manipulators in the TAN Hot Shop are capable of performing tasks throughout most of the Hot Shop, excluding the SES room. Floor-mounted service pedestals, one in front of each window, provide various utilities to the Hot Shop.	TAN-607 also contains the PREPP facility which is a rotary kiln incinerator wholly contained within in a high bay in TAN-607. The incinerator was never used beyond trial burns and was RCRA closed. Systems are still in place.						
						The TAN Hot Cell, located adjacent to the southeast corner of the TAN Hot Shop, is a conventional, shielded, remote manipulator laboratory used for specialized disassembly, inspection, and examination. The walls are 4 ft thick, and are made of high-density reinforced concrete and lined with stainless-steel sheets. The TAN Warm Shop is located adjacent to the south wall of the TAN Hot Shop and has a usable floor area that is approximately 40 ft wide. A bridge crane containing two hooks services the Warm Shop area. The capacity of the main hook is 30 ton and the capacity of the auxiliary hook is 5 ton.							
TAN-650	Containment Service Building	34666	5	1	1973	Steel Framed. The central component of CTF (LOFT) is the TAN-650 containment vessel, a 30-m high steel dome designated TAN-650. The containment vessel housed the mobile test assembly, which was a scaled-down, pressurized water reactor mounted on a four-rail railroad dolly. The ground floor of TAN-650 contained the mobile test assembly (now an empty shell), with the basement used for the primary reactor coolant system, piping, and other equipment. TAN-650 is the containment building and is constructed of steel and reinforced concrete. The containment building is a 70-ft-diameter, vertical, steel cylinder with a hemispherical top and torospherical bottom. The top is 97 ft from the main floor. The containment basement contains support equipment. Access from TAN-624 into TAN-650 (on north side) is via a moveable 33 x 22-ft steel door. The equipment portion of TAN-650 is four-stories high with basement, and houses various inoperable reactor support systems.	Out of service.	No	Yes	bg	10,729dpm	ASA-650, Hazard Classification for the Contained Test Facility (EDF-3752)	At CTF/LOFT area. All building systems may be contaminated. Also see VCO SITE-TANK-005 systems TAN-004, -012, -013, and -020 (mercury contamination in sumps).