

K-1066-L UF₆ Cylinder Storage Yard

The K-1066-L cylinder storage yard is located in the north portion of the East Tennessee Technology Park, approximately 460 ft northeast of the K-25 Building. K-1066-L Yard is located in the same area as K-1066-F and K-1066-J yards and lies east of these other yards. There is no fencing, however, the yard is posted as a Fixed Contamination Area, and TLD's are required for access. L Yard is a Nuclear Facility, Category 2. Postings designate the yard location, entry and notification requirements, storage and stacking requirements, and warn of the presence of PCBs on particular cylinders.

This yard is considered adequate for cylinder storage. It is estimated this yard was constructed in 1982 and consists of a concrete pad estimated to be 6 inches thick. The pad has an even surface.

The total paved area is approximately 1 acre (~43,560 ft²) with a capacity of approximately 600 48-inch cylinders double-stacked with 4 feet isle spacing and 60 inches center-to-center stacking configuration.

Presently, there are 273 30-inch enriched heel cylinders and 527 48-inch cylinders in L Yard. The cylinders in this yard are properly stacked using concrete saddles.

Normal entry to the yard is from the site access road running along the western side of the yard. A lighted security patrol road runs along the eastern edge of the yard. The west side of the yard is lined with jersey bouncers to provide a barrier between the access road and the cylinders.

The yard is sloped toward the northeast, with low-point and median elevations of 757.5 and 760 ft ASL, respectively. The yard is well drained, with surface runoff draining primarily to the Mitchell Branch of Poplar Creek, located to the east of the yard. Poplar Creek is located ~270 ft to the north. The ORR boundary lies ~6300 ft to the north.

K-1066-L Yard currently houses a utility trailer, BCS 73, with light electrical service. This trailer was formerly used as a radiological boundary control station and is currently deactivated and scheduled for removal in FY 2001. A storage building belonging to the Emergency Response Organization, K-1413-B, is located near the extreme south boundary of the yard..



Aerial view taken from the east side and elevation view taken from the west side of K-1066-L.