

APPENDIX B

**ADDITIONAL INFORMATION ON THE
EAST TENNESSEE TECHNOLOGY PARK LAND AND
FACILITIES PROPOSED FOR TITLE TRANSFER**

I. FACILITIES

K-1007

K-1007 is a two-story, concrete-framed building built in 1960 with over 113,000 ft² of floor space. It has been used as an office area and system support for ETPP.

K-1330

Built in 1990, K-1330 is an office building that has 14,400-ft² (7200 ft² on each of the two floors). It is a two-story masonry structure.

K-1580

K-1580 is a three-story structure constructed of reinforced concrete with pre-cast concrete siding. It was built in 1980 as an office building and has 38,211-ft² (12,737 ft² on each of the three floors).

K-1225

K-1225 was built in 1980 as an office building. It is a two-story structure constructed primarily of reinforced pre-cast concrete on a concrete slab with a total floor area of 23,500 ft².

K-1400

K-1400 building is a 13,000 ft², "L"-shaped, two-story masonry structure that was built in 1953 as an office building.

K-1035

K-1035 Building is a 47,000-ft² one-story, rectangular structure constructed of steel frame and concrete block with a concrete foundation and corrugated asbestos/concrete roofing. It was built in 1945 as a maintenance general storage warehouse. In the 1960s it was converted to Maintenance Division offices and shops. Activities have included an instrument shop, metal cabinet fabrication shop, photo electroplating, printed circuit board facility, acid cleaning area, glass shop, and pneumatic repair shop. A standards laboratory was also located in the northwest corner of the building. In 1998 maintenance personnel vacated the building and it was leased to CROET.

K-1036

K-1036 Building is an 80,000-ft² one-story rectangular structure constructed of steel frame and concrete block with a concrete foundation and corrugated asbestos/concrete roofing. It was built in 1945 as a warehouse. In 1948 it became the Main Spare Parts Stores Warehouse. In 1955, Shipping and Receiving was moved from the K-1212 and K-1213 Buildings to K-1036. It continued as the main site stores until 1998 when it was leased to CROET.

K-33

K-33 was placed in operation in 1954 for uranium enrichment. It has 2.8 million ft² of floor area on two levels (approximately 32 acres per level). The first floor was the operating floor and contained the control room, offices, and maintenance shops. The first floor also contained auxiliary equipment such as process control and instrument consoles, circulating pumps, lubrication oil drain tanks, coolers and filters, coolant

storage tanks, switchgear, air intake filter rooms and ventilation fans and ducts. The cell floor (second floor) contained the process equipment. After shutdown of these operations, portions of the building were used for hazardous waste storage. K-33 is being cleaned up as part of the ETTP Three-Building Decontamination and Decommissioning and Recycle Project.

K-1515 Group

The K-1515 Group furnishes sanitary water to the ETTP and the nearby Bear Creek Industrial Park. It consists of the K-1515 Water Treatment Plant, K-1513 Raw Water Pumping Station, K-1514 Raw Water Storage Tank, K-1515-H Chlorine Storage Bldg., K-1515-E Production Support Bldg., K-1515-F Lagoon, K-1529 and K-1530 Water Storage Tanks.

The K-1515 Building is a four-story (two-stories above ground and two-stories below ground) concrete and wooden structure built in 1944. It is approximately 100-ft long by 60-ft wide. The below ground areas contain clear water basins, clearwell pumps, and filter backwash pumps. The above ground floors consist of filters, control room, laboratory, chemical storage and feed bins. The K-1513 pump house was constructed in 1945 and is a single story concrete structure with an open concrete lower level. Raw water is pumped from the Clinch River to the K-1514 storage tank. This tank is an open-topped, steel tank with a capacity of 156,000 gallons. The flocculator/settling basins are located immediately to the north of K-1515. The filter backwash and water from the settling basins are routed through the K-1515-F Lagoon. It was built in 1995 as a settling basin for the water plant discharges prior to discharge to the Clinch River. The treated sanitary water is pumped to two storage tanks, K-1529 and K-1530, atop Pine Ridge. These tanks have capacities of 1.5 and 2.5 million gallons.

The water distribution system consists of approximately 10,000 feet of underground water lines of varying diameter. The lines are primarily constructed of steel but some are iron.

K-1039 and K-1039-1

K-1039 and K-1039-1 are concrete reinforced structures with brick exterior walls. K-1039 was built in 1946 to house telephone communications equipment for ETTP. In 1995-1996, the Fiber Optic Network was placed in K-1039 and the phone equipment was moved to K-1039-1, which was constructed in 1996 immediately to the southeast of K-1039.

K-1000

The K-1000 Visitor Control Center was built in 1968 as an unclassified conference room for the K-1001 area. It is a one-story masonry building with 1500 ft² of floor space. It is currently used for office space and visitor control.

K-31

K-31 has 1.66 million ft² of floor area. It is a steel frame structure with cement/asbestos siding. It began operation in 1951 for gaseous diffusion uranium enrichment. Operations were shutdown in 1985. The first floor was the operating floor and contained the control room, maintenance shops, and auxiliary equipment such as process control and instrument consoles, circulating pumps, lubrication oil drain tanks, coolers and filters, coolant storage tanks, switchgear, air intake filter rooms and ventilation fans and ducts. The cell floor (second floor) contained the process equipment. After shutdown of these operations, portions of the building were used for hazardous waste storage. K-31 is being cleaned up as part of the ETTP Three-Building Decontamination and Decommissioning and Recycle Project.

Railroad System

The railroad consists of a 7-mile spur from Blair, Tennessee, on Highway 61 (known as the Blair Spur), to the ETTP and approximately 9.4 miles of track within ETTP. The railroad system was originally built to support the construction and operation of the Oak Ridge Gaseous Diffusion Plant. Construction was completed in 1943. The railroad was leased to CROET in 2002.

K-1652

K-1652 is a two-story, steel-frame structure with brick veneer. This facility was built in 1983 as the Plant Protection Headquarters and Fire Station. It presently houses the Fire Department, including a garage for emergency response equipment, and offices for Protective Services and Security. It has 23,200 ft² of floor area.

K-1037

K-1037 is a steel-framed structure with concrete reinforced floors and has 163,000 ft² of floor area. Portions of the building have a basement and portions have a second floor. Transite siding covers the exterior walls on the east end and metal siding covers the exterior walls of the wet end. It is a complex comprised of a series of buildings and additions that were constructed at separate times over a 50-year period and joined under one roof. The original section was completed in 1945 and was used as a warehouse. Currently the facility contains offices, non-contaminated equipment storage, and a portion is leased to CROET.

K-791-B

The K-791-B facility is a single story addition that was added to the south end of K-791-S in 1978. It was used as an electrical shop to maintain electrical components found throughout the facilities and switchyards, including those at Y-12 and X-10. These operations were moved to Y-12 in 1999 and K-791-B is now an office area for personnel involved with the ETTP Three-Building Decontamination and Decommissioning and Recycle Project. It has a floor area of 4,020 ft².

K-29

K-29 has 484,587 ft² of floor space on two levels. It is a steel frame structure with cement/asbestos siding. It began operation in 1951 for uranium enrichment. Operations were shutdown in 1985. The process equipment was located on the upper level with the lower level or basement containing the control room and support equipment including circulating pumps, lubrication oil drain tanks, coolers and filters, coolant drain tanks and transfer pumps, electrical transformers and switchgear, air intake filter rooms and ventilation fans and ducts. K-29 is being cleaned up as part of the ETTP Three-Building Decontamination and Decommissioning and Recycle Project.

K-1065 Group

The K-1065 Group consists of the K-1065-A through E Drum Storage Facilities that were built in the early 1990s. These are steel-framed metal-sided buildings on concrete pads. K-1065-A has approximately 30,000 ft² of floor space, while K-1065-B through E each have approximately 46,000 ft² of floor space. These facilities are climate controlled and have been used for long-term storage of mixed waste.

K-1650

The K-1650 Central Control Facility was built in 1981 to house the Site Emergency Control Center, Plant Shift Superintendent's office, and Power and Utilities Shift Operations office. It is a two-level, cast concrete structure with 21,120 ft² of floor area.

K-1547

The K-1547 Overlook was constructed in the mid-1970s. It is of wood and metal construction with viewing windows and an observation deck on the side facing ETTP. It has approximately 300 ft² of floor space.

K-708-E

The K-708-E Scale House is located in the former Powerhouse Area along the railroad track and is used to weigh rail cars. It was built in 1944. It is a small, wood-framed structure with vinyl siding. Below the superstructure is a concrete pit that extends under the rail line and houses the balance mechanism. This pit is posted as a confined space. Inside the building is the scale's digital readout and printing equipment.

K-709

The K-709 Storage Yard is located in the former Powerhouse Area and operated from 1944 to 1974 as an electrical switchyard. It was also known as the K-25 Switchyard and served as the main switchyard for the K-700 Powerhouse Area and K-25 Cascade. After it was shutdown, it was used as a storage yard for surplus electrical equipment and confiscated vehicles of local law enforcement agencies. The area was leased to CROET in 1997. It is approximately 2.3 acres.

II. LAND

Parcel ED-4

This approximately 70-acre parcel is located along the Oak Ridge Turnpike between Blair Road on the east and Boulevard Road to the west. Topography on the parcel is rolling with several developable areas having a slope less than 15%. A 6-inch gas line runs north/south near the center of the area. There are some existing gravel roads and part of the area was previously cleared. Part of the previously cleared area has been replanted in pine and dead pines are present on other portions of the parcel that have been recently impacted by the Southern pine beetle. Smaller areas of mixed hardwoods are also present. There are also two drainages with intermittent flow and some associated wetlands that are located on the parcel.

Parcel ED-5

Formerly referred to as Parcel 3, this area is split into two parts: Parcel ED-5 East and Parcel ED-5 West. With a total size of about 45 acres, Parcel ED-5 is located outside the ETTP fenced security area in the southwest portion of ETTP between Avenue J and Poplar Creek. Parcel ED-5 East is separated from Parcel ED-5 West by Avenue M and Contractors Road. The parcel is cleared and has relatively flat topography. In addition to the existing roads, a rail line runs across the parcel as well as overhead electrical lines. A new gas and sewer line extension is being constructed to provide additional utility service. In addition, water service is located nearby and the area could be connected into the existing fiber optic telecommunications system.

Remediated Land Parcels (To Be Determined)