

secured into an SST and driven to LANL. Figure 4.16.1.1–1 shows the LANL delivery location with nearby access roads. Further operations involving pits at LANL will be discussed in the *Los Alamos Site-Wide Environmental Impact Statement*. The actual number of surveillance pit shipments from Pantex Plant is classified.

### **Canned Subassemblies**

Canned subassemblies (CSAs) that may contain highly enriched uranium (HEU) and DU removed from dismantled weapons are shipped to the Y–12 Plant at the Oak Ridge Reservation (ORR) for prestorage processing and interim storage of nuclear material. CSAs are transported intersite by SSTs in DOT-criteria Type B packages including DT–23, DT–18, and DT–20. The number of CSAs shipped from Pantex Plant is classified. DOE has assessed the impacts of transporting CSAs to Y–12 in the *Environmental Assessment for the Interim Storage of Enriched Uranium at the Y–12 Plant* (DOE/EA–0919). A Finding of No Significant Impact was issued for this Environmental Assessment (EA) on September 14, 1995 (60 FR 54069).

When a shipment of CSAs is made from Pantex Plant, the containers, staged in an approved storage facility, are loaded onto a pallet and driven by electric forklift to a loading dock within Zone 12. These containers are loaded and secured into an SST that is then driven to the Y–12 Plant. CSAs staged in Zone 4 are loaded into SSTs at the storage magazine. The Y–12 Plant, which receives the uranium components

from Pantex Plant, is located within the boundaries of ORR, near Knoxville, Tennessee. Figure 4.16.1.1–2 shows the location of ORR. Vehicular access to the Y–12 Plant is via Bear Creek Valley Road, a two-lane, paved State highway. Following this road, Interstate 40 is approximately 6 kilometers (4 miles) from the ORR site boundary and approximately 18 kilometers (11 miles) from the Y–12 Plant. Figure 4.16.1.1–3 shows the access roads to the Y–12 Plant. Arriving containers are unloaded and brought into a facility where a transfer check is performed. The transfer check confirms the identity and quantity of the shipment and verifies the integrity of the tamper-indicating devices on the containers.

### **Depleted Uranium**

DU components removed from dismantled weapons are shipped to the Y–12 Plant at ORR for prestorage processing and interim storage. These shipments are made by commercial truck carriers using DOT Type A packaging and are made in full compliance with Titles 10 and 49 of the CFR. Table 4.16.1.1–1 presents the DU shipments for the years 1992–1994.

### **Tritium Reservoirs**

Tritium reservoirs are shipped intersite for the following reasons:

- Depleted reservoirs removed from weapons are returned to the Savannah River Site (SRS) for reuse and recycling.

**TABLE 4.16.1.1–1.—Depleted Uranium Shipments from Pantex Plant**

YEAR	ROUTE	NUMBER OF SHIPMENTS	NUMBER OF COMPONENTS
1992	Pantex to ORR	20	2,119
1993	Pantex to ORR	13	794
1994	Pantex to ORR	4	857

Source: PC 1995p:1