

ENVIRONMENTAL IMPACT STATEMENT

Mercury Management

“DNSC is responsible for providing safe, secure, and environmentally sound storage for the national defense stockpile.”

**Cornel Holder, Administrator,
Defense National Stockpile Center**

Defense National Stockpile Center Mercury Storage Sites

The Defense National Stockpile Center (DNSC) stores 4,436 metric tons of mercury in secure warehouses at depots in New Haven, Indiana; Hillsborough, New Jersey; Warren, Ohio; and at the Department of Energy’s Y-12 National Security Complex (Y-12 Complex) in Oak Ridge, Tennessee. All of the storage facilities are enclosed by secure perimeter fencing and have security personnel 24-hours a day. Access to the warehouses is controlled.

At each depot, the mercury is stored in steel containers called flasks. A flask is about the size of a three-liter soda bottle and holds 76 pounds of mercury. The mercury flasks at the Y-12 Complex in Oak Ridge are stored on wooden pallets. They are inspected regularly to ensure that the flasks and wooden pallets are in safe condition. The material stored in the Y-12 Complex was placed into new seamless containers in 1975. The flasks stored at the New Haven, Warren and Somerville Depots were recently over-packed.

The mercury over-packing process consisted of visual inspection, vacuuming, and wiping the exteriors of flasks not previously placed in plastic bags. The flasks were placed in 30-gallon drums constructed of 16-gauge carbon steel, lined with an epoxy-phenolic coating. A 6-mil plastic liner was inserted into each drum and an absorbent mat was placed in the bottom of the liner. This also serves as cushioning. Six flasks were placed in each drum, with the flasks separated by a cardboard divider for additional cushioning. The flasks and dividers were sealed in plastic, and then each drum was bolted shut. A rubber gasket ensures that the bolted drums are both airtight and liquid-tight.



◀ Mercury is overpacked in steel drums.

Mercury is stored in secure warehouses. ▼



FOR MORE INFORMATION:

U.S. mail:

Attention: Project Manager
Mercury Management EIS
DNSC-E

Defense National Stockpile Center
8725 John F. Kingman Road
Suite 3229

Ft. Belvoir, VA 22060-6223

toll free: (888) 306-6682

toll free fax: (888) 306-8818

e-mail: information@mercuryeis.com

website: www.mercuryeis.com



◀ Stockpile commodities include tungsten...

tons of mercury in 75,880 flasks which have been placed in 12,647 steel drums. Access to the depot is controlled by security guards and a seven-foot high fence.

Oak Ridge Y-12 National Security Complex Storage Site

The Y-12 Complex consists of approximately 811 acres of land owned by the federal government. It is located on the Department of Energy's (DOE's) 34,516 acre Oak Ridge Reservation in eastern Tennessee. Most of the Y-12 Complex lies within the city of Oak Ridge, and is located approximately 25 miles (40 km) west of Knoxville, Tennessee. There are 699 metric tons of mercury stored in 20,276 flasks at a specially designed facility at the Y-12 Complex. Security measures include a highly trained security force, personnel and vehicle searches, metal detectors, explosive-sniffing dogs, and a Perimeter Intrusion Detection and Alarm System.

▼ ...and other metals such as zinc

New Haven Depot

The New Haven (Casad) Depot consists of approximately 268 acres of land owned by the federal government. The entrance to the depot is located on the north side of Dawkins Road (State Route 14), approximately three miles (4.8 km) east of New Haven, Indiana. There are 27 different types of materials stored at the depot, including lead, tin, zinc, graphite and mercury. The New Haven Depot stores 557 metric tons of mercury in 16,151 steel flasks that have been placed in 2,692 steel drums. Access to the depot is controlled by security guards and an eight-foot high fence topped with three-stranded barbed wire.

Warren Depot

The Warren Depot covers approximately 160 acres that the federal government has leased since 1959. Access to the Warren Depot is controlled through a gated entrance with security guards; a secured fence surrounds the depot. There are 25 different types of materials stored at the Warren Depot, including chrome ore, lead, zinc, graphite, rubber and mercury. The Warren Depot stores 563 metric tons of mercury in 16,355 flasks that have been placed in 2,726 steel drums.

Somerville Depot

The Somerville Depot consists of approximately 77 acres of land owned by the federal government. The entrance to the depot is through Veterans Administration property on the west side of Route 206, approximately two and one half miles (4.0 km) south of Somerville, New Jersey. There are 27 different materials stored at the depot, including chrome ore, lead, tin, zinc, graphite, and mercury. The Somerville Depot stores 2,617 metric

