



Waste Generator Services



A container of low-level waste is placed on a flatbed trailer in preparation for shipment to the Nevada Test Site (7302-D22).

pits, thousands of drums, and various other containers. Waste Generator Services Division responsibilities include characterization, sampling, shipment and disposal of low-level waste; treatment of mixed waste; and waste minimization and recycling initiatives.

Low-Level Waste Shipping

Since Fernald initiated waste shipments to the Nevada Test Site (NTS) in 1985, over 5.6 million cubic feet of waste have been transported to NTS. This equates to over 4,700 truckloads of low-level waste shipped. In Fiscal Years 1999 and 2000, Fernald shipped over 238,000 cubic feet of low-level

waste to NTS for disposal. During the same period, more than 2,000 "roll-off" boxes of debris, representing approximately 1.5 million cubic feet of waste, were delivered to the On-Site Disposal Facility Transfer Area for disposal on site.

Description

After several decades of uranium metals production supporting the U.S. Defense Program, millions of pounds of waste materials remain at the Fernald Environmental Management Project. Safe disposition of these materials is an integral part of Fernald's overall cleanup program. The U.S. Department of Energy (DOE) and Fluor Fernald, its contractor, have adopted a site-wide remedial strategy to ship higher-contaminated waste off site for disposal while disposing of less-contaminated waste in an On-Site Disposal Facility. This balanced approach to waste management also emphasizes the recycling and beneficial reuse of waste materials.

Cleanup Plan

Fernald waste materials are divided into three categories: low-level radioactive waste, hazardous waste and mixed (radioactive and hazardous) low-level waste. The waste is stored in silos, in-ground



A roll-off container is delivered to the Materials Transfer Area, the primary staging area for these boxes prior to placement in the On-Site Disposal Facility (6319-D2450).



A technician conducts a radiological survey on the exterior of a container of low-level thorium waste prior to loading for transport (7333-D19).

on the Plant 1 Pad and to segregate them in order to better support future shipping campaigns.

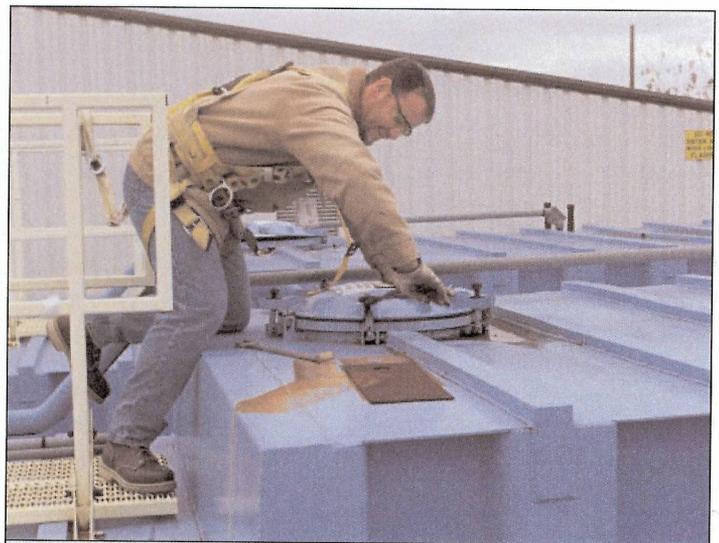
Waste Minimization and Pollution Prevention

The Waste Minimization and Pollution Prevention Project helps to meet the goals and expectations of DOE, EPA and stakeholders by reducing the volume of waste that is generated and recycling as much material as practical to minimize the amount requiring disposal. Some of the items recycled to date by Fernald employees are approximately 10,500 LaserJet and fax cartridges, 110,000 pounds of aluminum cans and over 1 million pounds of paper.

Waste Treatment

The treatment of hazardous and mixed waste must meet the requirements of the Resource Conservation and Recovery Act of 1976 and its subsequent amendments. The Waste Treatment Project provides safe and efficient treatment and disposal of all EPA-regulated waste at the Fernald site. Current activities include: bulking of liquid mixed waste for shipment off site for treatment/disposal; shipment of hazardous waste to various vendors for recycling/treatment/disposal; transfer of approved waste to Fernald's Advanced Wastewater Treatment Facility; and off-site treatment and/or disposal of mixed waste.

Waste Treatment Project responsibilities also include Plant 1 Pad Consolidation activities. This is an ongoing effort to verify the contents of the containers



A worker loosens the bolts of a manhole cover on one of three 20,000-gallon liquid mixed waste consolidation tanks in preparation for sample collection (6898-D96).

For more information . . .

Visit the Public Environmental Information Center at 10995 Hamilton-Cleves Highway (Delta Building);
Attend a Cleanup Progress Briefing (second Tuesday of every month at 6:30 p.m. on site);
Contact John Sattler, DOE-Fernald Waste Management team leader at 513-648-3145 or at john.sattler@fernald.gov; or
View the Fernald Web site (<http://www.fernald.gov>).