

The Mound Site

FORMER WASTE DRUM
STORAGE AREA



COMPLETED

Project Description

The Mound, a former waste drum storage area, was excavated to remove chemically contaminated soils in March and April 1997. The waste drums themselves had been previously removed in 1970. The Mound was ranked 4th on Rocky Flats risk-based top-10 list for environmental contamination sites because of the migration of chemical contamination into shallow groundwater near the area.

Project Scope

- 700 cubic yards of chemically contaminated soils
- 32 feet long, 29 feet across and 17 feet deep
- Excavation crews dug 5 feet into bedrock to remove contamination

Cleanup Method

- Excavation using standard heavy equipment
- Treatment of soils using low-temperature thermal desorption

Contaminants of Concern

- Tetrachloroethene
- Trichloroethene
- Carbon tetrachloride
- Vinyl Chloride
- Small amounts of plutonium and uranium

History

- Used from 1954-1958 to store 1,400 drums containing lathe coolant contaminated with plutonium and uranium
- In 1970, all of the drums were removed with most of the radioactively contaminated soils

Schedule

Start: March 1997

Finish: April 1997

Soil Treatment: Completed August 1997



U.S. Department of Energy

Make It Safe. Clean It Up. Close It Down.



For further information about Rocky Flats

*Contact DOE Communication at (303) 966-6088, or Kaiser-Hill Communication at (303) 966-2882, or toll free at (800) 269-0157
(press *82882# when you hear the automated attendant)*

Also, additional information about Rocky Flats is available on the internet at: <http://www.rf.doe.gov>