



East Trenches Plume

AREA OF GROUNDWATER CONTAMINATION

Project Description:

The East Trenches Plume is an area of shallow groundwater contamination. The sources of the East Trenches contaminated groundwater plume were Trench 3 and Trench 4, which were remediated in 1996. Characterization of the East Trenches Plume was completed in 1998, and demonstrated that contaminated groundwater was reaching surface water. The plume will be remediated through installation of a passive collection and treatment system which causes interaction between contaminants and iron filings to cleanse the water. This system will require little maintenance and will provide long-term protection of surface water by collecting and treating the contaminated groundwater before it reaches South Walnut Creek.

Project Scope:

- Remediation of a groundwater contamination plume

Cleanup Method:

- Installation of a passive treatment system that uses iron filings to cleanse contaminants from the groundwater

Contaminants of Concern:

- Tetrachloroethene
- Trichloroethene
- Carbon tetrachloride

History:

- East Trenches Plume resulted from trenches that were used in the 1960s for the disposal of chemically contaminated waste; debris, including crushed drum fragments; and contaminated sanitary sewage sludge
- Trenches were remediated in 1996

Schedule:

Start: Spring 1999

Finish: September 1999



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) 966-5993, 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.rfets.gov>