

**- Case 1 -
Thermal Desorption at the Metaltec
Superfund Site**

Thermal Desorption at the Metaltec Superfund Site, Franklin Borough, New Jersey

Site Name: Metaltec Superfund Site
Location: Franklin Borough, New Jersey
Period of Operation: December 1994 - January 1995
Cleanup Type: Remedial



Technology: Thermal Desorption

- A low temperature enhanced volatilization system provided by Williams Environmental was used to treat soil at the site
- The desorber was a direct-fired, rotary dryer equipped with a gas burner and operated using countercurrent flow under negative pressure
- Soil was heated in the desorber to a temperature of 750°F for 15-20 minutes
- Emission controls included a baghouse, thermal oxidizer, quench, and scrubber

Cleanup Authority:

CERCLA- ROD issued June 30, 1986

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Contaminants: Chlorinated Volatile Organic Compounds (VOCs) and Heavy Metals

- Maximum concentrations in soil were trichloroethene (TCE)
- 7,600 mg/kg and 1,2-dichloroethene (DCE) - 6,600 mg/kg

Waste Source: Disposal in lagoon; spills

