

US Department of Energy Groundwater Database Groundwater Master Report

Installation Name, State: Ambrosia Lake
Responsible DOE Office: Office of Legacy Management

Plume Name: Ambrosia Lake
Remediation Contractor: Unknown

Report Last Updated: 2009

Contaminants

Halogenated VOCs/SVOCs Present? **No**

Fuel Present? **No**

Metals Present? **Yes**

Metal Name	Metal Concentration (ppb)	Regulatory Driver	Cleanup Requirement
Se	0.86	No	
Mo	0.12	No	
U	0.27	No	

Isotopes Present? **No**

Explosives Present? **Yes**

Other Contaminants? **No**

Tritium Present? **No**

Nitrates Present? **Yes**

Concentration: **66** (ppb)

Sulfates Present? **Yes**

Concentration: **3200** (ppb)

Hydrogeology

Conduit Flow?

Depth (feet): **100**

Multiple Units Affected? **Yes**

Avg Velocity (feet/year): **15**

Plume Information (no source)

Source

Area of Plume (acres): **612**

Plume Status **No Response**

Remedial Approach

Remedy Name	Status	Start Date	End Date
no remediation	Confirmed		

Groundwater Use / Exit Strategy

Potable? **No**

Does an Exit Strategy Exist?

Sole Source Aquifer? **No**

Basis for Exit Strategy: **No Response**

Environmental Indicators (EIs)

Groundwater Migration Under Control? **Need More Info**
Confirmed by Lead Regulator?

Current Human Exposure Acceptable? **Yes**
Confirmed by Lead Regulator? **Yes**

Regulatory

Decision Document? **Decision Document in Place**
Date Approved **July 1996**

Lead Regulatory Agency: **Federal**
Regulatory Driver: **Other**

Regulatory Position on Groundwater Use Same as Site? **Yes**

Comments

Groundwater monitoring is not required at the site due to application of supplement standards in accordance with the Nuclear Regulatory Commission-approved Long-Term Surveillance Plan (July 1996). Groundwater monitoring is conducted every three years at the request of the state of New Mexico. The plume area was estimated in 2003.