

US Department of Energy Groundwater Database Groundwater Master Report

Installation Name, State: Spook
Responsible DOE Office: Office of Environmental Management

Plume Name: Spook
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
Cr (total)		No	
Se	0	No	
U		No	

Isotopes Present? **Yes**

Isotope Name	Isotope Activity (pCi/l)	Regulatory Driver	Cleanup Requirement
other (provide names) Ra-226		No	
other (provide names) Ra-228		No	

Explosives Present? **Yes**

Other Contaminants? **No**

Tritium Present? **No**

Nitrates Present? **Yes**

Concentration: (ppb)

Sulfates Present? **No**

Hydrogeology

Conduit Flow? **No**

Depth (feet): **400**

Multiple Units Affected? **No**

Avg Velocity (feet/year): **0.38**

Plume Information (no source)

Source

Area of Plume (acres): **21**

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? **No**
Confirmed by Lead Regulator? **No**Current Human Exposure Acceptable? **Yes**
Confirmed by Lead Regulator? **Yes****Regulatory**Decision Document? **Decision Document in Place**
Date Approved **January 1993**Lead Regulatory Agency: **Federal**
Regulatory Driver: **Other**Regulatory Position on Groundwater Use Same as Site?
Yes**Comments**

No groundwater monitoring is required at the site. The Nuclear Regulatory Commission approved the application of supplemental standards because the uppermost aquifer is classified as limited use and contains widespread ambient uranium and selenium contamination not related to milling activities. Aquifer and plume characteristics are addressed in the site Long-Term Surveillance Plan (January 1993).