

## US Department of Energy Groundwater Database Groundwater Master Report

**Installation Name, State:** Monticello Remedial Action Project  
**Responsible DOE Office:** Office of Environmental Management

**Plume Name:** Monticello Remedial Action Project  
**Remediation Contractor:** S. M. Stoller

**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
As	18	Yes	10
Mn	8000	Yes	880
V	350	Yes	330
Se	90	Yes	50
Mo	100	Yes	100

Isotopes Present? **Yes**

Isotope Name	Isotope Activity (pCi/l)	Regulatory Driver	Cleanup Requirement
U	500	Yes	50

Explosives Present? **Yes**

Other Contaminants? **No**

Tritium Present? **No**

Nitrates Present? **Yes**    Concentration: **15000** (ppb)    Regulatory Driver: **Yes**    Cleanup Requirement: **10000** (pCi/l)

Sulfates Present? **No**

### Hydrogeology

Conduit Flow? **No**

Multiple Units Affected? **No**

Depth (feet): **15**

Avg Velocity (feet/year): **365**

### Plume Information (no source)

Source **Not Present**

Plume Status **Contaminants Offsite**

Area of Plume (acres): **25**

### Remedial Approach

Remedy Name	Status	Start Date	End Date
monitored natural attenuation	Confirmed	2008	
pump and treat	Confirmed	2008	

### Groundwater Use / Exit Strategy

Potable? **Yes**

Sole Source Aquifer? **No**

Does an Exit Strategy Exist? **Yes**

Basis for Exit Strategy: **Target Concentration**

### Environmental Indicators (EIs)

Groundwater Migration Under Control? **Yes**

Confirmed by Lead Regulator? **Yes**

Current Human Exposure Acceptable? **Yes**

Confirmed by Lead Regulator? **Yes**

### Regulatory

Decision Document? **Decision Document in Place**

Date Approved **06/01/04**

Lead Regulatory Agency: **Federal**

Regulatory Driver: **CERCLA**

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

**Comments**

Pump and treat enhancement implemented on 12/08 via Explanation of Significant Difference to original remedy (MNA). ROD 6/04, ESD 12/08