

## US Department of Energy Groundwater Database Groundwater Master Report

**Installation Name, State:** Monument Valley  
**Responsible DOE Office:** Office of Legacy Management

**Plume Name:** Monument Valley  
**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
U	150	Yes	0.044

Isotopes Present? **No**

Explosives Present? **Yes**

Other Contaminants? **Yes**

Contaminant Name	Contaminant Concentration (ppb)	Regulatory Driver	Cleanup Requirement
Ammonium	21000	No	

Tritium Present? **No**

Nitrates Present? **Yes** Concentration: **210000** (ppb) Regulatory Driver: **Yes** Cleanup Requirement: **10** (pCi/l)

Sulfates Present? **Yes** Concentration: **1500000** (ppb)

### Hydrogeology

Conduit Flow? **No**

Depth (feet): **45**

Multiple Units Affected? **Yes**

Avg Velocity (feet/year): **292**

### Plume Information (no source)

Source **Controlled**

Area of Plume (acres): **345**

Plume Status **Contaminants Offsite**

### Remedial Approach

Remedy Name	Status	Start Date	End Date
other (provide names)	Proposed	2010	

### Groundwater Use / Exit Strategy

Potable? **No**

Does an Exit Strategy Exist? **No**

Sole Source Aquifer? **No**

Basis for Exit Strategy: **No Response**

### Environmental Indicators (EIs)

Groundwater Migration Under Control? **No**

Current Human Exposure Acceptable? **Yes**

Confirmed by Lead Regulator? **No**

Confirmed by Lead Regulator? **No**

### Regulatory

Decision Document? **Assessment Ongoing**

Lead Regulatory Agency: **Federal**

Regulatory Driver: **Other**

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

### Comments

The site is currently in the last year of a 4-year pilot study to assess remediation alternatives. It is anticipated that in 2009 a report of the findings of the pilot study will be prepared. It is currently anticipated that the final pilot study report will recommend a proposed remediation strategy of natural flushing in combination with phytoremediation.