

US Department of Energy Groundwater Database Groundwater Master Report

Installation Name, State: Slick Rock - Union Carbide
Responsible DOE Office: Office of Environmental Management

Plume Name: Slick Rock - Union Carbide
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	2600	Yes	180
Mo	2200	Yes	100
U	111	Yes	44

Isotopes Present? **No**

Explosives Present? **Yes**

Other Contaminants? **No**

Tritium Present? **No**

Nitrates Present? **Yes**

Concentration: **825** (ppb)

Sulfates Present? **No**

Hydrogeology

Conduit Flow? **No**

Multiple Units Affected? **Yes**

Depth (feet): **20**

Avg Velocity (feet/year): **150**

Plume Information (no source)

Source **Not Present**

Plume Status **Plume static or shrinking in size**

Area of Plume (acres): **92**

Remedial Approach

Remedy Name	Status	Start Date	End Date
no remediation	Proposed		
other (provide names)	Proposed		

Groundwater Use / Exit Strategy

Potable? **No**

Sole Source Aquifer? **No**

Does an Exit Strategy Exist? **Yes**

Basis for Exit Strategy: **Target Concentration**

Environmental Indicators (EIs)

Groundwater Migration Under Control? **Yes**

Current Human Exposure Acceptable? **Yes**

Confirmed by Lead Regulator? **Yes**

Confirmed by Lead Regulator?

RegulatoryDecision Document? **Remedial Approach Proposed**Lead Regulatory Agency: **State**

Date Approved

Regulatory Driver: **Other**

Regulatory Position on Groundwater Use Same as Site?

Yes**Comments**

Uranium and vanadium concentrations are minimum and maximum values of the most recent data collected. Plume volume is from 2003 data. (U - 33-1200, Se - .11 to 23) To achieve compliance with Subpart B of 40 CFR 192 at the SRE site, the DOE GCAP proposed action is natural flushing in conjunction with institutional controls (IC) and continued groundwater monitoring. Exit strategy is No remediation, Institutional Controls, and groundwater monitoring. Regulatory Drive at the site is UMTRA ground water standards (40 CFR 192) The average linear groundwater velocity for the alluvial sediments is 2.1 ft/day. The average linear velocity of groundwater in the Entrada aquifer is 0.1 ft/day.