

US Department of Energy Groundwater Database Groundwater Master Report

Installation Name, State: Old Rifle
Responsible DOE Office: Office of Environmental Management

Plume Name: Old Rifle
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
V	133	No	
Se	7	Yes	50
U	110	Yes	44

Isotopes Present? **No**

Explosives Present? **Yes**

Other Contaminants? **No**

Tritium Present? **No**

Nitrates Present? **No**

Sulfates Present? **No**

Hydrogeology

Conduit Flow? **No**

Multiple Units Affected? **No**

Depth (feet): **25**

Avg Velocity (feet/year): **584**

Plume Information (no source)

Source **Controlled**

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

Area of Plume (acres): **22**

Remedial Approach

Remedy Name	Status	Start Date	End Date
natural flushing	Confirmed	2002	2102

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**

Confirmed by Lead Regulator? **Yes**

Current Human Exposure Acceptable? **Yes**

Confirmed by Lead Regulator? **Yes**

Regulatory

Decision Document? **Decision Document in Place**

Date Approved **8/1/02**

Lead Regulatory Agency: **Federal**

Regulatory Driver: **Other**

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

Comments

Sulfate concentration below EPA recommended concentration of 250 mg/L, no longer measured Documents consulted are the 2008 Verification Monitoring Report for the New and Old Rifle Processing Sites, the New and Old Rifle Ground Water Compliance Action Plans, and the New and Old Rifle Site Observational Work Plans. NRC, the prime regulator, has concurred with the compliance strategy for Old Rifle Processing Site and has not finished its review of the New Rifle Processing Site. The compliance strategy for

Old Rifle is natural flushing for U and Se, with an alternate concentration limit for V. The proposed compliance strategy for New Rifle is also natural flushing for U, NO3, and Mo, with an alternate concentration limit for V.