

US Department of Energy Groundwater Database Groundwater Master Report

Installation Name, State: Rocky Flats Environmental Technology Site
Responsible DOE Office: Office of Environmental Management

Plume Name: Solar Ponds
Remediation Contractor: Unknown

Report Last Updated: 2009

Contaminants

Halogenated VOCs/SVOCs Present? **No**

Fuel Present? **No**

Metals Present? **No**

Isotopes Present? **Yes**

Isotope Name	Isotope Activity (pCi/l)	Regulatory Driver	Cleanup Requirement
U	12.5	Yes	

Explosives Present? **No**

Other Contaminants? **No**

Tritium Present? **No**

Nitrates Present? **Yes** Concentration: **3000000** (ppb) Regulatory Driver: **Yes** Cleanup Requirement: (pCi/l)

Sulfates Present? **No**

Hydrogeology

Conduit Flow? **No**

Multiple Units Affected? **No**

Depth (feet): **25**

Avg Velocity (feet/year): **105**

Plume Information (no source)

Source **Controlled**

Area of Plume (acres):

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

Remedial Approach

Remedy Name	Status	Start Date	End Date
reactive barrier	Confirmed	2007	

Groundwater Use / Exit Strategy

Potable? **No**

Sole Source Aquifer? **No**

Does an Exit Strategy Exist? **Yes**

Basis for Exit Strategy: **Other (provide basis)**

Environmental Indicators (EIs)

Groundwater Migration Under Control? **Yes**

Confirmed by Lead Regulator? **Yes**

Current Human Exposure Acceptable? **Need More Info**

Confirmed by Lead Regulator?

Regulatory

Decision Document? **No Response**

Lead Regulatory Agency: **Federal**

Regulatory Driver: **Other**

Regulatory Position on Groundwater Use Same as Site?

Comments

Exit strategy is based on water quality. Site closed in 2005, under DOE-LM since 2005, long-term monitoring and surveillance with institutional controls. Contaminated groundwater is intercepted and treated.