

US Department of Energy Groundwater Database Groundwater Master Report

Installation Name, State: Project Shoal
Responsible DOE Office: Office of Legacy Management

Plume Name: Project Shoal
Remediation Contractor: SM Stoller Corporation

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
uranium-233/234	8.95	No	
uranium-235	0.385	No	
uranium-238	7.89	No	

Explosives Present? **No**

Other Contaminants? **No**

Tritium Present? **Yes**

Activity: **555** (pCi/l)

Nitrates Present? **No**

Sulfates Present? **No**

Hydrogeology

Conduit Flow? **Yes**

Depth (feet): **975**

Multiple Units Affected? **No**

Avg Velocity (feet/year): **20**

Plume Information (no source)

Source **Active**

Area of Plume (acres):

Plume Status **Plume expanding but not expected to migrate offsite**

Remedial Approach

Remedy Name	Status	Start Date	End Date
monitoring only	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: **Other (provide basis)**

Environmental Indicators (EIs)

Groundwater Migration Under Control? **No**

Confirmed by Lead Regulator? **Yes**

Current Human Exposure Acceptable? **Yes**

Confirmed by Lead Regulator? **Yes**

Regulatory

Decision Document? **Decision Document in Place**

Date Approved **01/01/2006**

Lead Regulatory Agency: **State**

Regulatory Driver: **FFA**

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

Comments

1) We assumed that "conduit flow" includes fracture flow. The average groundwater flow velocity was calculated based on data from wells MV-1, MV-2, and MV-3. 2) The exit strategy for the site is planned for proof-of-concept monitoring with validation of the compliance boundary followed by closure of the site with long-term monitoring.