

US Department of Energy Groundwater Database Groundwater Master Report

Installation Name, State: Weldon Spring Site Remedial Action Project

Responsible DOE Office: Office of Environmental Management

Plume Name: Chemical Plant (East Plume)

Remediation Contractor: Unknown

Report Last Updated: 2009

Contaminants

Halogenated VOCs/SVOCs Present? **No**

Fuel Present? **No**

Metals Present? **No**

Isotopes Present? **No**

Explosives Present? **No**

Explosive Name	Explosive Concentration (ppb)	Regulatory Driver	Cleanup Requirement
TNT (trinitrotoluene)	21	Yes	2.8
other (provide names) 2,4-DNT	200	Yes	0.11
other (provide names) 2,6-DNT	222	Yes	1.3
other (provide names) 1,3-DNB	0.16	Yes	1

Other Contaminants? **No**

Tritium Present? **No**

Nitrates Present? **No**

Sulfates Present? **No**

Hydrogeology

Conduit Flow? **Yes**

Multiple Units Affected? **No**

Depth (feet): **30**

Avg Velocity (feet/year): **800**

Plume Information (no source)

Source **Not Present**

Plume Status **Contaminants Offsite**

Area of Plume (acres): **35**

Remedial Approach

Remedy Name	Status	Start Date	End Date
monitored natural attenuation	Completed	2004	

Groundwater Use / Exit Strategy

Potable? **Yes**

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 **Jan 2004**

Lead Regulatory Agency: **Federal**
Regulatory Driver: **CERCLA**

Regulatory Position on Groundwater Use Same as Site?
Yes

Comments

Monitoring is designed to show that either natural attenuation processes are acting as predicted or to trigger the implementation of contingencies. Movement of contaminated groundwater primarily occurs via conduit flow in the bedrock aquifer. Limited lateral movement downgradient is anticipated.