

US Department of Energy Groundwater Database Groundwater Master Report

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

Plume Name: Tributary Valley VOCs
Remediation Contractor: SM Stoller Corporation

Report Last Updated: 2009

Contaminants

Halogenated VOCs/SVOCs Present? **Yes**

VOC Name	Concentration (ppb)	Regulatory Driver	Cleanup Requirement
PCE	29	Yes	5
TCE	28	Yes	5
cis-1,2-DCE	32	Yes	70

Fuel Present? **No**

Metals Present? **No**

Isotopes Present? **Yes**

Isotope Name	Isotope Activity (pCi/l)	Regulatory Driver	Cleanup Requirement
Ra	2	Yes	5
Sr	3	No	

Explosives Present? **No**

Other Contaminants? **No**

Tritium Present? **Yes** Activity: **160000** (pCi/l) Regulatory Driver: **Yes** Cleanup Requirement: **20000** (pCi/l)

Nitrates Present? **No**

Sulfates Present? **No**

Hydrogeology

Conduit Flow? **Yes**

Depth (feet): **25**

Multiple Units Affected? **Yes**

Avg Velocity (feet/year): **100**

Plume Information (no source)

Source **Not Present**

Area of Plume (acres): **5**

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

Remedial Approach

Remedy Name	Status	Start Date	End Date
monitored natural attenuation	Confirmed		

Groundwater Use / Exit Strategy

Potable? **Yes**

Does an Exit Strategy Exist? **Yes**

Sole Source Aquifer? **Yes**

Basis for Exit Strategy: **Target Concentration**

Environmental Indicators (EIs)

Groundwater Migration Under Control? **Need More Info**
Confirmed by Lead Regulator?

Current Human Exposure Acceptable? **Yes**
Confirmed by Lead Regulator? **Yes**

Regulatory

Decision Document? **Remedial Approach Proposed**
Date Approved

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

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

Comments