

US Department of Energy Groundwater Database Groundwater Master Report

Installation Name, State: Falls City
Responsible DOE Office: Office of Legacy Management

Plume Name: Falls City
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
As	5.9	No	
Se	6.2	No	
Mo	42	No	
Cd	36	No	
U	529	Yes	

Isotopes Present? **Yes**

Isotope Name	Isotope Activity (pCi/l)	Regulatory Driver	Cleanup Requirement
other (provide names) Ra-226	2.54	No	
other (provide names) Ra-228	2.58	Yes	

Explosives Present? **Yes**

Other Contaminants? **No**

Tritium Present? **No**

Nitrates Present? **Yes**

Concentration: (ppb)

Sulfates Present? **No**

Hydrogeology

Conduit Flow? **No**

Depth (feet): **5**

Multiple Units Affected? **Yes**

Avg Velocity (feet/year): **230**

Plume Information (no source)

Source **Not Present**

Area of Plume (acres):

Plume Status **No Response**

Remedial Approach

Remedy Name	Status	Start Date	End Date
no remediation	Confirmed		

Groundwater Use / Exit Strategy

Potable? **No**

Sole Source Aquifer? **No**

Does an Exit Strategy Exist? **No**

Basis for Exit Strategy: **No Response**

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 **09/24/1998**

Lead Regulatory Agency: **Federal**
Regulatory Driver: **Other**

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

Comments

The extent of GW contamination is difficult to define due to the high variability of background GW quality. GCAP was issued April 8, 1998. The DOE, NRC, and State agreed the GW monitoring for the GCAP would not be based upon concentration limits. A narrative supplemental standard was applied to the groundwater, which does not include numerical concentration limits or points of compliance (40CFR 192.21(g)).