

Appendix A

Data Requirements For Corrective Action Evaluations

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Key Parameters	Methodology/Source
Regional And Site-Specific Hydrogeologic Conditions	
Regional Geology/Hydrogeology	Soil, bedrock, and aquifer properties from published maps/reports.
Site-Specific Soil Characteristics	Observations/analysis of samples from impacted and non-impacted areas.
Site-Specific Aquifer Properties	Observations/measurements from impacted and non-impacted areas.
Site-Specific Attenuation Factors	Observations/analysis of samples for natural attenuation factors/biodegradation parameters (DO, NO ₃ , SO ₄ , Fe, Mn ⁺² , CH ₄ , CO ₂)
Evaluating Constituents Of Concern (COC)	
Source, Nature Of Release, And COC	Evaluate historical data, release reports, site specific information
Affected Media	Soil/groundwater/vapor sampling and analysis for concentration/distribution of COC
Maximum COC Concentrations	Analysis of soil, groundwater, and/or vapor samples, identify presence or absence of NAPLs
Potential Receptors And Land Use	
Receptor Survey	State and local health department water supply maps/records. Site-specific receptor survey to locate unrecorded private wells/nearby structures.
Land Use Survey	Site-specific survey to identify land use (residential, commercial, industrial), review local zoning ordinances/land use plans.
Exposure Assessment	
Transport Media	Site-specific transport media through which COC may migrate (e.g., soil gas, groundwater).
Transport Mechanism	Primary transport mechanism (e.g., leaching, vapor/groundwater migration)
Exposure Pathways	Primary exposure pathways (e.g., ingestion of soil or groundwater, vapor inhalation, dermal contact)
Points Of Exposure	Review receptor survey and site-specific information to identify points of exposure