

Draft Scope of Work – Groundwater Upgradient of Kaiser

Compile all upgradient monitoring well construction and installation details

- Kaiser monitoring wells RM-MW-5S, MW-4, MW-11, MW-10, MW-5
 - Boring logs
 - Well construction details
 - Soil chemistry analyses for PCB and TPH

Compile all upgradient monitoring well information

- Kaiser monitoring wells RM-MW-5S, MW-4, MW-11, MW-10, MW-5
 - Depth to water
 - EPA Method 1668 data for PCB
 - Conventional parameters
 - Temperature, pH, Specific Conductivity, Dissolved Oxygen, Turbidity, ORP

Compile all available “river area” monitoring well information

- Kaiser monitoring wells MW-16, MW-3, MW-25S, MW-26D, MW-24D, MW-15, MW-21S, MW-22D, MW-14, MW-19S, MW-20D, MW-13, MW-9, MW-8
 - Screened interval
 - Depth to water
 - EPA Method 1668 data for PCB
 - Conventional parameters
 - Temperature, pH, Specific Conductivity, Dissolved Oxygen, Turbidity, ORP

Compile all available “impacted area” monitoring well information

- Kaiser monitoring wells RM-MW-08S, RM-MW-13S, RM-MW-15S, RM-MW-16S, RM-MW-17S, RM-MW-1S, HL-MW-17S, HL-MW-26S, HL-MW-29S, HL-MW-5, HL-MW-7S, HL-MW-25S, HL-MW-14S, HL-MW-30S, HL-MW-17S, HL-MW-32S, HL-MW-23S, MW-12A, MW-23S, MW-27S, MW-28S
 - Screened interval
 - Depth to water
 - EPA Method 1668 data for PCB
 - Conventional parameters
 - Temperature, pH, Specific Conductivity, Dissolved Oxygen, Turbidity, ORP

Validate all PCB Method 1668 data for use in conducting assessments of PCB levels in groundwater and flux rates into the river

Compile all available information on monitoring wells upgradient of the Kaiser site that may exist for groundwater contour mapping or potential sampling

- Location (latitude/longitude)
- Ownership
- Construction details (screened interval)
- Top of casing elevation (surveyed)
- Existing water chemistry information

Conduct an evaluation of the applicability of the “wellhead model” for mapping out groundwater source areas upgradient of Kaiser’s upgradient well locations

- Ability of the wellhead model to provide sufficient level of detail for upgradient groundwater flow patterns
- Data input needs for applying the model for the mapping of upgradient flow patterns

Assess the level of effort that would be needed to determine PCB flux rates into the river for smaller segments between Barker Road and Plantes Ferry Park

- River transects at multiple locations for both flow and sample collection