

SITE EVALUATION FORM



www.eosremediation.com
+1-919-873-2204

A.) PRODUCT SELECTION

Electron Donors: EOS PRO EOS 100 EOS ZVI EOS QR EOS Custom
Colloidal Buffers: CoBupHMg Bioaugmentation Cultures: BAC-9 ENV-TCA20

B.) PROJECT INFORMATION

Project name: City: State: Zip:

Your Contact Information

Name E-mail
Company Phone

Site Cleanup Objectives

Planned Application Type:

Source Barrier Infiltration Gallery Excavation and Backlighting Other

C.) SITE DATA: Nominal Soil Type: Gravel Sand Silty Sand Silt Clay Fractured Rock

Treatment Area

Estimated length of treatment area: ft m
Estimated width of treatment area: ft m
Minimum depth to contamination: ft m
Maximum depth to contamination: ft m

Hydrogeology

Total Porosity:
Effective Porosity:
Soil Bulk Density: ft/yd³ g/cc
Hydraulic Conductivity: cm/sec ft/day
Hydraulic Gradient:

Geochemical

pH of Groundwater:
Alkalinity of Groundwater: mg/L
Acid demand of aquifer material (Acidity of sediment from pH titration): OH⁻ meq/kg (Typical 1-100)
Acidity of groundwater by Standard Method 2310: OH⁻ meq/L (Typical 0.1-10)
Measured Oil Retention: wt/wt
ORP of Groundwater: mV

BIOGEOCHEMICAL CHARACTERIZATION AND ANALYTICAL DATA:

Sorbed phase concentrations (mg/kg) are not required for Barrier Design.

If sorbed phase concentrations are not available for Source Area Design, default K_{OC} values from USA EPA, Superfund Section, Appendix K will be used to calculate the estimated sorbed phase concentrations.

INPUTS: Average values across the area to be treated	Sorbed (mg/kg)	Dissolved (mg/L)
Total Organic Carbon (TOC)		<input type="text"/>
Dissolved Oxygen (DO)		<input type="text"/>
Nitrate-Nitrogen ($\text{NO}_3^- - \text{N}$)		<input type="text"/>
Sulfate (SO_4^{2-})		<input type="text"/>
Tetrachloroethene (PCE), C_2Cl_4	<input type="text"/>	<input type="text"/>
Trichloroethene (TCE), C_2HCl_3	<input type="text"/>	<input type="text"/>
cis-1,2-dichloroethene (c-DCE), $\text{C}_2\text{H}_2\text{Cl}_2$	<input type="text"/>	<input type="text"/>
Vinyl Chloride (VC), $\text{C}_2\text{H}_3\text{Cl}$	<input type="text"/>	<input type="text"/>
Carbon tetrachloride, CCl_4	<input type="text"/>	<input type="text"/>
Chloroform, CHCl_3	<input type="text"/>	<input type="text"/>
sym-tetrachloroethane, $\text{C}_2\text{H}_2\text{Cl}_4$	<input type="text"/>	<input type="text"/>
1,1,1-Trichloroethane (TCA), CH_3CCl_3	<input type="text"/>	<input type="text"/>
1,1-Dichloroethane (DCA), CH_3CHCl_2	<input type="text"/>	<input type="text"/>
Chloroethane, $\text{C}_2\text{H}_5\text{Cl}$	<input type="text"/>	<input type="text"/>
Perchlorate, ClO_4^-	<input type="text"/>	<input type="text"/>
Hexavalent Chromium, Cr(VI)	<input type="text"/>	<input type="text"/>
User added <input type="text"/>	<input type="text"/>	<input type="text"/>
User added <input type="text"/>	<input type="text"/>	<input type="text"/>