Soil & Groundwater Remediation
Site Evaluation Form

Submit form: remediation@evonik.com

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Leading Beyond Chemistry

Contact information

Company _____ Contact name _____

Address _____ Phone number _____

City _____ State/province _____ email _____

Postal code _____ Country _____

Site Details

Site name _____ Location _____

Project status: ☐ Feasibility study ☐ Workplan development ☐ Pending field implementation ☐ Other: _____

Treatment area(s) will include: ☐ Source ☐ Plume ☐ PRB ☐ Other: _____

Is NAPL present or suspected: ☐ Yes ☐ No ☐ Unknown

Site description (e.g. – pilot/full scale, historical use, buildings, source of contamination, current remediation activities, etc.):

Site cleanup objectives and timing:

Which Evonik products are you interested in evaluating for your site?

☐ All applicable

In Situ chemical oxidation

☐ KLOZUR® ACTIVATED PERSULFATE

☐ KLOZUR® CR

Aerobic bioremediation

☐ PERMEOX® ULTRA

☐ TERRAMEND® REAGENT

Enhanced reductive dechlorination

☐ ELS® MICROEMULSION

In Situ chemical reduction

☐ EHC® REAGENT

☐ EHC® LIQUID

☐ DARAMEND® REAGENT

Metals treatment

☐ METAFIX® REAGENTS OR EHC® METALS

NAPL stabilization / mass flux reduction

☐ ISGS® TECHNOLOGY

Biogeochemical

☐ GEOFORM® REAGENTS

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What other remediation technologies are being considered?

Treatment area "A" information please complete in as much detail as your are able.

☐ Source ☐ Plume ☐ PRB ☐ Other Other details: _____

Treatment area dimensions

Width of targeted zone (perpendicular to GW flow): _____ feet

Length of targeted zone (parallel to GW flow): _____ feet

Depth to top of treatment zone: _____ feet bg

Depth to bottom of treatment zone: _____ feet bg

Depth to groundwater: _____ feet bg

Soil data

Soil type: _____

Fraction organic carbon in soil, FOC: _____

Soil bulk density _____ lb/ft3

Total porosity _____ %

Transport characteristics

Hydraulic conductivity: _____ ft/day

Hydraulic gradient: _____

Linear groundwater flow velocity: _____ ft/day

Effective porosity for GW flow: _____ %

Contaminant information

	Groundwater Concentrations (mg/L)			Soil Concentrations (mg/kg)		
Contaminant	Average	Maximum conc.	Remediation goal	Average conc.	Maximum conc.	Remediation goal

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Geochemical information please provide as much information as possible. If unknown, please leave blank.

PH:

Carbonate alkalinity (as $CaCO_3$): mg/L

ORP: mV

Groundwater temperature: °F

Conductivity: S/m

KLOZUR® PERSULFATE parameters

Soil oxidant demand: g of Klozur/kg of soil

Base buffering capacity: g 25 % NaOH/kg soil

PERMEOX® ULTRA parameters

	GW mg/L	Soil mg/kg
Biological oxygen demand:		
Chemical oxygen demand:		
Dissolved metals (Fe, Mn):		

ISCR parameters

Dissolved oxygen: mg/L

Manganese (II) generated: mg/L

Sulfate: mg/L

Nitrate (as N): mg/L

Iron (II) generated: mg/L

Treatment area "B" information please complete in as much detail as your are able.

☐ Source ☐ Plume ☐ PRB ☐ Other Other details:

Treatment area dimensions

Width of targeted zone (perpendicular to GW flow): feet

Length of targeted zone (parallel to GW flow): feet

Depth to top of treatment zone: feet bg

Depth to bottom of treatment zone: feet bg

Depth to groundwater: feet bg

Soil data ☐ Check here if same as treatment area "A"

Soil type:

Fraction organic carbon in soil, FOC:

Soil bulk density lb / ft3

Total porosity %

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Transport characteristics

☐ Check here if same as treatment area "A"

Hydraulic conductivity: _____ ft/day

Hydraulic gradient: _____

Linear groundwater flow velocity: _____ ft/day

Effective porosity for GW flow: _____ %

Contaminant information

Contaminant	Average conc. in GW (mg/L)	Remediation goal in GW (mg/L)	Average conc. in soil (mg/kg)	Remediation goal in soil (mg/kg)

Geochemical information please provide as much information as possible. If unknown, please leave blank.

☐ Check here if same as treatment area "A"

PH: _____

Carbonate alkalinity (as $CaCO_3$): _____ mg/L

ORP: _____ mV

Groundwater temperature: _____ °F

Conductivity: _____ S/m

KLOZUR® PERSULFATE parameters

Soil oxidant demand: _____ g of Klozur/kg of soil

Base buffering capacity: _____ g 25 % NaOH/kg soil

PERMEOX® ULTRA parameters

	GW mg/L	Soil mg/kg
Biological oxygen demand:		
Chemical oxygen demand:		
Dissolved metals (Fe, Mn):		

ISCR parameters

Dissolved oxygen: _____ mg/L

Manganese (II) generated: _____ mg/L

Sulfate: _____ mg/L

Nitrate (as N): _____ mg/L

Iron (II) generated: _____ mg/L