

Soil & Groundwater Remediation Site Evaluation Form

Submit form: remediation@evonik.com



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	Enhanced reductive dechlorination	Metals treatment
In Situ chemical oxidation	ELS® MICROEMULSION	METAFIX® REAGENTS OR EHC® METALS
KLOZUR® ACTIVATED PERSULFATE	In Situ chemical reduction	NAPL stabilization / mass flux reduction
KLOZUR® CR	EHC® REAGENT	ISGS® TECHNOLOGY
Aerobic bioremediation	EHC® LIQUID	Biogeochemical
PERMEOX® ULTRA	DARAMEND® REAGENT	GEOFORM® REAGENTS
TERRAMEND® REAGENT		

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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):

Length of targeted zone (parallel to GW flow):

Depth to top of treatment zone:

Depth to bottom of treatment zone:

Depth to groundwater:

Soil data

Soil type:

Fraction organic carbon in soil, FOC:

Soil bulk density

Total porosity
_____ %

Transport characteristics

Hydraulic conductivity:

Hydraulic gradient:

Linear groundwater flow velocity:

Effective porosity for GW flow:
_____ %

Contaminant information

Contaminant	Groundwater Concentrations (mg/L)			Soil Concentrations (mg/kg)		
	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 CaCO₃): _____ mg/L

ORP: _____ mV Groundwater temperature: _____

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): _____

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

Depth to top of treatment zone: _____

Depth to bottom of treatment zone: _____

Depth to groundwater: _____

Soil data

Check here if same as treatment area "A"

Soil type: _____

Fraction organic carbon in soil, FOC: _____

Soil bulk density _____

Total porosity _____ %

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Transport characteristics

Check here if same as treatment area "A"

Hydraulic conductivity:

Hydraulic gradient:

Linear groundwater flow velocity:

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 CaCO₃): _____ mg/L

ORP: _____ mV Groundwater temperature: _____

Conductivity: _____ S/m

KLOZUR® PERSULFATE parameters

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

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

ISCR parameters

Dissolved oxygen: _____ mg/L

Manganese (II) generated: _____ mg/L

PERMEOX® ULTRA parameters

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

Sulfate: _____ mg/L

Nitrate (as N): _____ mg/L

Iron (II) generated: _____ mg/L