Environmental Solutions

SUBMIT FORM: REMEDIATION@PEROXYCHEM.COM

SITE EVALUATION FORM

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 PEROXYCHEM ENVIRONMENTAL SOLUTIONS 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® ISCR Reagent

☐ EHC® Liquid

☐ Daramend® Reagent

METALS TREATMENT

☐ MetaFix® Reagents or EHC® Metals

NAPL STABILIZATION / MASS FLUX REDUCTION

☐ ISGS® Technology

BIOGEOCHEMICAL

☐ GeoForm™ Reagents

WHAT OTHER REMEDIATION TECHNOLOGIES ARE BEING CONSIDERED?

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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 (DEFAULT = 90lb/ft^3, 1400kg/m^3):

_____ lb/ft^3

TOTAL POROSITY (DEFAULT = 35%):

_____%

TRANSPORT CHARACTERISTICS

HYDRAULIC CONDUCTIVITY:

_____ ft/day

LINEAR GROUNDWATER FLOW VELOCITY:

_____ ft/day

HYDRAULIC GRADIENT:_____

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.

pH:_____

ORP:_____mV

CONDUCTIVITY:_____S/m

CARBONATE ALKALINITY (AS $CaCO_3$):_____mg/L

GROUNDWATER TEMPERATURE:_____ ˚F

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

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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 (DEFAULT = 90lb/ft^3, 1400kg/m^3):

_____ lb/ft^3

TOTAL POROSITY (DEFAULT = 35%):

_____ %

TRANSPORT CHARACTERISTICS CHECK HERE IF SAME AS TREATMENT AREA "A" ☐

HYDRAULIC CONDUCTIVITY:

_____ ft/day

LINEAR GROUNDWATER FLOW VELOCITY:

_____ ft/day

HYDRAULIC GRADIENT:_____

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:_____

ORP:_____mV

CONDUCTIVITY:_____S/m

CARBONATE ALKALINITY (AS $CaCO_3$):_____mg/L

GROUNDWATER TEMPERATURE:_____ °F

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