

Smith, Ralph N - DNR

From: Dave Larsen <dlarsen@reiengineering.com>
Sent: Wednesday, October 18, 2017 9:03 AM
To: Smith, Ralph N - DNR
Subject: RE: Hedlund DX
Attachments: 2017 Well Sampling Proposal.pdf

SOW intent:

- Conduct 4 quarterly rounds of groundwater sampling at all environmental wells (11) and sample for PVOC/N and also sample potables at Bob's Service (repair shop) and Backwoods Bait and analyze for 524.2.
- Containerize and dispose of purge water
- Letter report each 6 months for semi-annual reporting requirements
- Change order request

Please let me know if you have any questions or concerns.

Thank you,

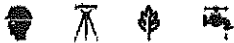
David N. Larsen P.G.




Hydrogeologist / Professional Geologist



David N. Larsen, P.G.
Hydrogeologist
Dlarsen@REIengineering.com

Tel: 877-734-7745
715-675-9784
Cell: 715-551-3434
Fax: 715-675-4060



Connect with us :   

Confidentiality Notice: This message is intended for the recipient only. If you have received this e-mail in error please disregard.

From: Smith, Ralph N - DNR [mailto:Ralph.Smith@wisconsin.gov]
Sent: Friday, October 13, 2017 9:50 AM
To: Dave Larsen <dlarsen@reiengineering.com>
Subject: RE: Hedlund DX

No news on next scope of services besides your email below – we're relying on REI for that. Please submit a PECFA costs request – thanks.

We are committed to service excellence.

Visit our survey at <http://dnr.wi.gov/customersurvey> to evaluate how I did.

Ralph N. Smith

Phone: (608) 261-6543
Ralph.Smith@wisconsin.gov

From: Dave Larsen [<mailto:dlarsen@reiengineering.com>]
Sent: Friday, October 06, 2017 8:06 AM
To: Smith, Ralph N - DNR
Subject: Hedlund DX

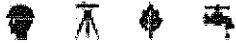
Any news on next scope of services? I do not believe we can complete an excavation before winter, so would it be possible to get an approval for quarterly groundwater sampling?




Thank you,
David N. Larsen P.G.
Hydrogeologist / Professional Geologist



David N. Larsen, P.G.
Hydrogeologist
DLarsen@REIengineering.com

Tel: 877-734-7745
715-675-9784
Cell: 715-551-3434
Fax: 715-675-4060



Connect with us :   

Confidentiality Notice: This message is intended for the recipient only. If you have received this e-mail in error please disregard.

Usual and Customary Standardized Invoice #22

July 2017 - December 2017



RR-083A

PECFA #: 54810-9999-00
 BRRT's #: 03-07-000151
 Site Name: Hedlund DX
 Site Address: 10557 Hwy 70, Falun

Vendor Name: REI
 Invoice #:
 Invoice Date: 10/18/17 Proposal Date
 Check #:

U&C Total \$ 13,574.28
 Variance to U&C Total \$ -
 Grand Total \$ 13,574.28

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
1	GW Sampling		GS05	Sample Collection	Well	\$ 72.45	52	\$ 3,767.40
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 628.11	4	\$ 2,512.44
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 137.13	4	\$ 548.52
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$ 42.11	4	\$ 168.44
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 287.70	4	\$ 1,150.80
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$ 1,039.29	2	\$ 2,078.58
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13	4	\$ 220.52
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule		52	\$ 2,745.80
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 381.78	1	\$ 381.78

Usual and Customary Standardized Invoice #22

July 2017 - December 2017



RR-083A

TOTAL LAB CHARGES	\$2,745.80	TASK 33	52	\$2,745.80	TASK 24	0	\$	-
-------------------	------------	---------	----	------------	---------	---	----	---

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	\$ 44.94		\$ -			
AIR	A2	BETX	SAMPLE	\$ 49.46		\$ -			
AIR	A3	GRO	SAMPLE	\$ 46.10		\$ -			
AIR	A4	VOC's	SAMPLE	\$ 71.93		\$ -			
WATER	W1	GRO/PVOC	SAMPLE	\$ 29.19		\$ -			
WATER	W2	PVOC	SAMPLE	\$ 26.99		\$ -			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	\$ 43.79		\$ -			
WATER	W4	PVOC + Naphthalene	SAMPLE	\$ 30.35	44	\$ 1,335.40			
WATER	W5	VOC	SAMPLE	\$ 71.93		\$ -			
WATER	W6	PAH	SAMPLE	\$ 72.98		\$ -			
WATER	W7	Lead	SAMPLE	\$ 12.39		\$ -			
WATER	W8	Cadmium	SAMPLE	\$ 13.55		\$ -			
WATER	W9	Hardness	SAMPLE	\$ 12.39		\$ -			
WATER	W10	BOD, Total	SAMPLE	\$ 23.63		\$ -			
WATER	W11	Nitrate	SAMPLE	\$ 11.24		\$ -			
WATER	W12	Total Kjeldahl	SAMPLE	\$ 20.27		\$ -			
WATER	W13	Ammonia	SAMPLE	\$ 16.91		\$ -			
WATER	W14	Sulfate	SAMPLE	\$ 10.19		\$ -			
WATER	W15	Iron	SAMPLE	\$ 10.19		\$ -			
WATER	W16	Manganese	SAMPLE	\$ 10.19		\$ -			
WATER	W17	Alkalinity	SAMPLE	\$ 10.19		\$ -			
WATER	W18	methane	SAMPLE	\$ 46.10		\$ -			
WATER	W19	Phosphorous	SAMPLE	\$ 18.06		\$ -			
WATER	W20	VOC Method 524.2	SAMPLE	\$ 176.30	8	\$ 1,410.40			
WATER	W21	EDB Method 504	SAMPLE	\$ 95.45		\$ -			
SOILS	S1	GRO	SAMPLE	\$ 24.78		\$ -	\$ 24.78		\$ -
SOILS	S2	DRO	SAMPLE	\$ 30.35		\$ -	\$ 30.35		\$ -
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.14		\$ -	\$ 28.14		\$ -
SOILS	S4	PVOC	SAMPLE	\$ 25.83		\$ -	\$ 25.83		\$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 49.46		\$ -	\$ 49.46		\$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 36.02		\$ -	\$ 36.02		\$ -
SOILS	S7	VOC	SAMPLE	\$ 71.93		\$ -	\$ 71.93		\$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	\$ 50.61		\$ -	\$ 50.61		\$ -
SOILS	S9	PAH	SAMPLE	\$ 72.98		\$ -	\$ 72.98		\$ -
SOILS	S10	Lead	SAMPLE	\$ 12.39		\$ -	\$ 12.39		\$ -
SOILS	S11	Cadmium	SAMPLE	\$ 14.60		\$ -			
SOILS	S12	Free Liquid	SAMPLE	\$ 11.24		\$ -			
SOILS	S13	Flash Point	SAMPLE	\$ 25.83		\$ -			
SOILS	S14	Grain Size - dry	SAMPLE	\$ 42.74		\$ -			
SOILS	S15	Grain Size - wet	SAMPLE	\$ 57.33		\$ -			
SOILS	S16	Bulk Density	SAMPLE	\$ 13.55		\$ -			
							TASK 24 TOTAL \$ -		

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
SOILS	S17	Permeability	SAMPLE	\$	41.58	\$	-		
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	\$	20.27	\$	-		
SOILS	S19	Nitrogen as Ammonia	SAMPLE	\$	16.91	\$	-		
SOILS	S20	% Organic Matter	SAMPLE	\$	29.19	\$	-		
SOILS	S21	TOC as NPOC	SAMPLE	\$	57.33	\$	-		
SOILS	S22	Soil Moisture Content	SAMPLE	\$	6.83	\$	-		
SOILS	S23	Air Filled Porosity	SAMPLE	\$	25.83	\$	-		
SOILS	S24	% Total Solids	SAMPLE	\$	6.83	\$	-		
SOILS	S25	Field Capacity	SAMPLE	\$	28.14	\$	-		
SOILS	S26	TCLP Lead	SAMPLE	\$	83.16	\$	-		
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	\$	26.99	\$	-		
SOILS	S28	TCLP Cadmium	SAMPLE	\$	83.16	\$	-		
SOILS	S29	TCLP Benzene	SAMPLE	\$	83.16	\$	-		
		Viscosity + Density							
LNAPL	LFPS01	Interfacial tension I (LNAPL/water [dyne/cm])	SAMPLE	\$	561.33	\$	-		
		Interfacial tension II (LNAPL/air [dyne/cm])							
		Interfacial tension III (water/air) [dyne/cm])							
TASK 33 TOTAL						\$	2,745.80		