

## Excellence through experience™

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November 28, 2017

Carrie Stoltz Wisconsin Department of Natural Resources 107 Sutliff Avenue Rhinelander, WI 54501

Subject:

Osceola Oil Bulk Plant/Milltown - Bid Deferment Request for Drilling/Geoprobe

project and groundwater monitoring.

BRRTS #: 02-49-483615, PECFA #: 54858-9022-13

Dear Ms. Stoltz,

At the request of the WDNR, a bid deferment (using Usual & Customary schedule of charges) is being submitted for additional investigation at the subject property located at 413 2<sup>nd</sup> Avenue SW in Milltown, Wisconsin. The workscope will include: [1] Drilling/Geoprobe project to install six monitoring wells (~35 feet bgs) with soil sampling and conduct six Geoprobe borings to 12 feet bgs with three samples collected from each boring at 3.5 feet bgs, 8 feet bgs, and 12 feet bgs for soil (Lead & PAH(top four feet), PVOC, and Naphthalene) analysis for further definition of the soil plume, [2] Survey all site wells (6 total), [3] Collect two quarterly rounds of groundwater monitoring from all six site monitoring wells for VOC/PVOC, PAH, Dissolved Lead, Nitrate/Nitrite, Sulfate, Dissolved Iron and Manganese analysis, [4] Waste disposal, and [5] Letter Report. The costs are as follows:

Geoprobe Project		\$ 2,013.75
Drilling Project		\$14,120.64
Surveying		\$ 1,288.88
Groundwater monitoring (2 quarterly events)		\$ 2,726.64
Laboratory Analysis		\$ 3,613.63
Waste Disposal (from drilling project)		\$ 2,089.19
Letter Report		\$ 1,039.29
Change Order Request		\$ 381.78
	Total	\$27,273.80

METCO is requesting a bid deferment in the amount of \$27,273.80 to complete the above workscope. Upon state and client approval of the proposed workscope and budget, METCO will proceed with the project.

Attached are a map with proposed monitoring well and Geoprobe boring locations and draft standardized invoice form for the above workscope as required. For further information regarding the site history and collected data, please see the Site Investigation Report dated 8/3/17 by METCO. The additional workscope was discussed and revised in email communications with WDNR on 8/18-21/17, 10/17/17, and 10/18/17.

Should you have any questions, comments, or recommendations please contact me at our La Crosse office (608) 781-8879 or email at jasonp@metcohq.com.

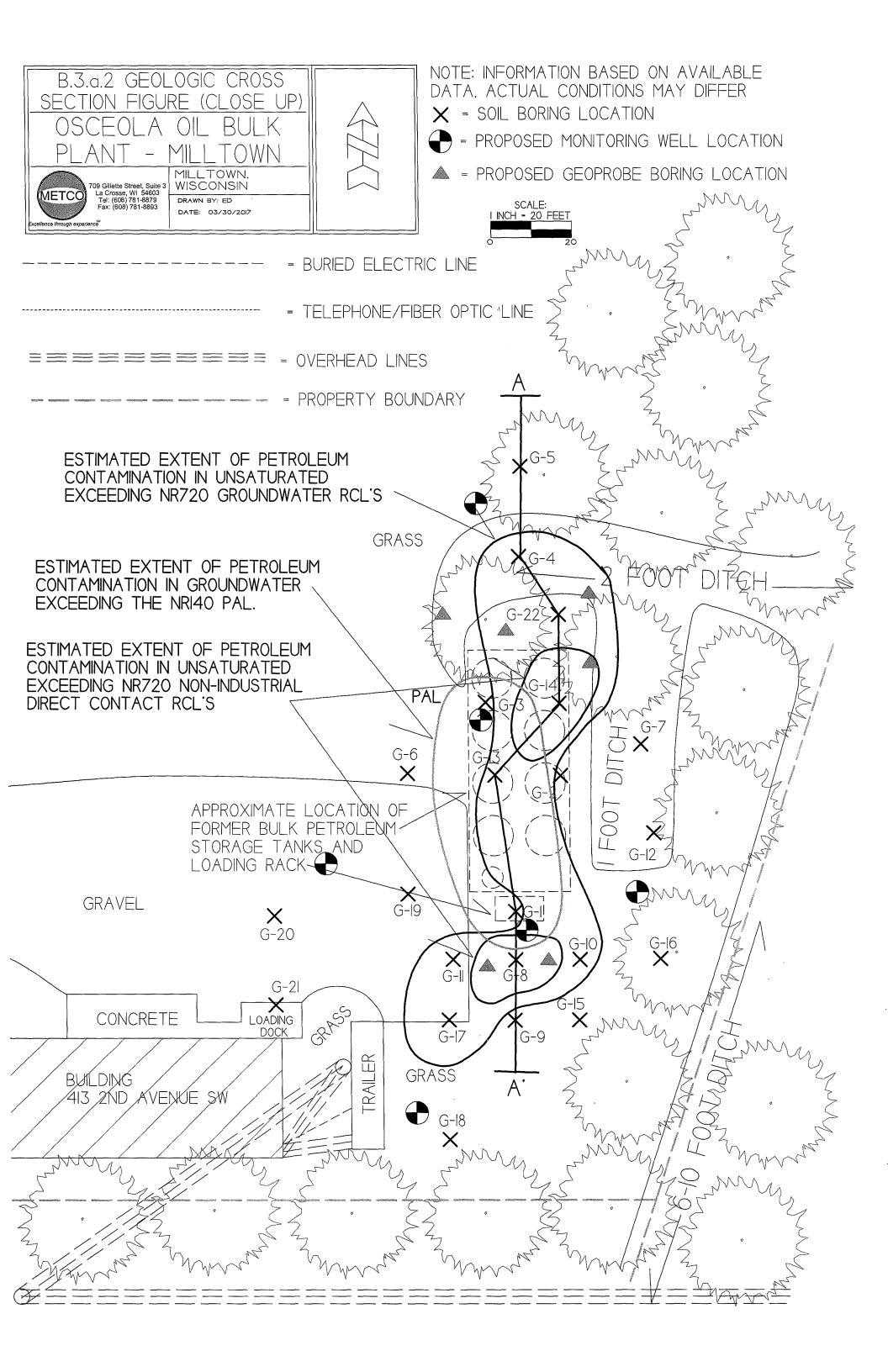
Sincerely,

Jason T. Powell Staff Scientist

**Attachments** 

c: Mike Montgomery - Client

Towell



## Usual and Customary Standardized Invoice #22 July 2017 - December 2017





 PECFA #:
 54858-9022-13
 Vendor Name:
 U&C Total
 \$ 27,273.80

 BRRT's #:
 02-49-483615
 Invoice #:
 U&C Total
 \$ 27,273.80

 Site Name:
 Osceola Oil Bulk Plant
 Invoice Date:
 Variance to U&C Total
 \$ 

 Site Address:
 413 2nd Ave. SW, Milltown, WI
 Check #:
 Grand Total
 \$ 27,273.80

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TASK	TASK DESCRIPTION	SERVICES	ACTIVITY	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	A	NAX UNIT UI	VITS	TOTAL
			CODE				COST		MAX
1	GW Sampling		GS05	Sample Collection	Well	\$	72.45	12 \$	869.40
1	GW Sampling		GS10	Incremental Sample Collection (natural attenuation)	Well	\$	47.67	6 \$	286.02
1	GW Sampling		GS15	Incremental Sample Collection (cadmium & lead)	Well	\$	26.25	12 \$	315.00
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$	628.11	2 \$	1,256.22
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$	137.13	1 \$	137.13
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$	42.11	1 \$	42.11
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$	108.15	15 \$	1,622.25
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$	287.70	1 \$	287.70
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$	1,039.29	1 \$	1,039.29
10	Initial Site Survey	Consultant	IS05	Coordination of Initial Site Survey (features + well elevations)	Survey	\$	117.18	1 \$	117.18
10	Initial Site Survey	Commodity	IS15	Initial Survey	Survey	\$	1,171.70	1 \$	1,171.70
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$	5.36	72 \$	385.92
12	Direct Push	Consultant	DP30	Primary Mob/Demob	Site	\$	512.10	1 \$	512.10
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$	6.93	72 \$	498.96
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	\$	1.26	72 \$	90.72
12	Direct Push	Commodity	DP80	Mob/Demob (includes decon)	Site	\$	526.05	1 \$	526.05
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$	5.40	150 \$	810.00
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR10	26 - 50 ft bgs	Ft	\$	5.67	60 \$	340.20
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$	593.04	1 \$	593.04
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	\$	16.70	150 \$	2,505.00
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR50	26 - 50 ft bgs	Ft	\$	18.38	60 \$	1,102.80
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$	3.89	150 \$	583.50
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs	Ft	\$	2.73	60 \$	163.80
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$	16.70	210 \$	3,507.00
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$	147.63	6 \$	885.78
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	\$	963.38	1 \$	963.38
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	\$	202.65	6 \$	1,215.90
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$	55.13	16 \$	882.08
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	\$	203.28	2 \$	406.56
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	\$	7.98	6 \$	47.88
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	\$	113.72	1 \$	113.72
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			106 \$	3,613.63
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$	381.78	1 \$	381.78
Variance									

Variance

## Usual and Customary Standardized Invoice #22 July 2017 - December 2017





		TOTAL LAB CHARGE	S \$ 3,613.63	TA	SK 33	106 \$	3,613.63	TASK 24	0	\$ -
MATRIX	REF CODI	E REIMBURSABLE ANALYTE	UNITS	840	COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
WAIRI	MET CODI	E REIMBURGABLE ANALTTE	DIVITS	IVIAU	(608)	SAMPLES	TOTAL	WAX COST	SAWITLES	IOTAL
AID	A1	Ponzono	SAMPLE	\$	44.94	\$	_			
AIR AIR	A2	Benzene 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	7 \$	188.93			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	\$	43.79	\$	7			
WATER	W4	PVOC + Naphthalene	SAMPLE	\$	30.35	\$	-			
WATER	W5	VOC	SAMPLE SAMPLE	\$	71.93	7 \$ 12 \$	503.51 875.76			
WATER WATER	W6 W7	PAH Lead	SAMPLE	\$ \$	72.98 12.39	12 \$ 12 \$	148.68			
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	6 \$	67.44			
WATER	W12	Total Kjeldahl	SAMPLE	\$	20.27	\$	-			
WATER	W13	Ammonia	SAMPLE	\$	16.91	\$	-			
WATER	W14	Sulfate	SAMPLE	\$	10.19	6 \$	61.14			
WATER	W15	Iron	SAMPLE	\$	10.19	6 \$	61.14			
WATER	W16	Manganese	SAMPLE SAMPLE	\$	10.19	6 \$ \$	61.14			
WATER WATER	W17 W18	Alkalinity methane	SAMPLE	\$ \$	10.19 46.10	\$ \$	-			
WATER	W19	Phosphorous	SAMPLE	\$	18.06	\$	_			
WATER	W20	VOC Method 524.2	SAMPLE	\$	176.30	\$	_			
WATER	W21	EDB Method 504	SAMPLE	\$	95.45	\$	-	MAX COST	SAMPLES	TOTAL
SOILS	S1	GRO	SAMPLE	\$	24.78	3 \$	74.34	\$ 24.78		\$ -
SOILS	S2	DRO	SAMPLE	\$	30.35	2 \$	60.70	\$ 30.35		\$ -
SOILS	S3	GRO/PVOC	SAMPLE	\$	28.14	\$	-	\$ 28.14		\$ -
SOILS	S4	PVOC	SAMPLE	\$	25.83	8 \$	206.64	\$ 25.83		\$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$	49.46	\$	- -	\$ 49.46		\$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$	36.02	15 \$	540.30	\$ 36.02 \$ 71.93		\$ - \$ -
SOILS SOILS	S7 S8	VOC SPLP Extraction VOC only	SAMPLE SAMPLE	\$ \$	71.93 50.61	\$ \$	-	\$ 71.93 \$ 50.61		\$ -
SOILS	S9	PAH	SAMPLE	\$	72.98	7 \$		\$ 72.98		\$ -
SOILS	S10	Lead	SAMPLE	\$	12.39	7 \$	86.73			\$ -
SOILS	S11	Cadmium	SAMPLE	\$	14.60	\$	-	***************************************	K 24 TOTAL	\$ -
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	\$	-			
SOILS	S17	Permeability	SAMPLE	\$ \$	41.58	\$ \$	-			
SOILS SOILS	S18 S19	Nitrogen as Total Kjeldahl Nitrogen as Ammonia	SAMPLE SAMPLE	\$ \$	20.27 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	1 \$	83.16			
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	\$	26.99	\$	-			
SOILS	S28	TCLP Cadmium	SAMPLE	\$	83.16	\$	- 02.46			
SOILS	S29	TCLP Benzene	SAMPLE	\$	83.16	1 \$	83.16			
		Viscosity + Density								
LNAPL	LFPS01	Interfacial tension I (LNAPL/water [dyne/cm]) Interfacial tension II (LNAPL/air [dyne/cm])	SAMPLE	\$	561.33	\$	-			
		Interfacial tension III (water/air) [dyne/cm])								
					TASK	33 TOTAL \$	3,613.63			
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