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August 29, 2018

Gina Keenan Wisconsin Department of Natural Resources 1300 W. Clairemont Avenue Eau Claire, WI 54701

Subject: Arlene's Inn/Don's General Repair – Bid Deferment Request for additional investigation. BRRTS #: 03-10-196577, PECFA #: 54493-8809-31-A

Dear Ms. Keenan,

At the request of state, METCO is submitting a bid deferment (using the Usual & Customary Cost Schedule)/variance for installation of a new private well, drilling project with the installation of three new monitoring/piezometer well nests and four additional soil borings, and groundwater monitoring at the above site located at N8631 CTH G in Willard, Wisconsin. The workscope will include: [1] Installation of one new private well estimated to 300 feet below ground surface (bgs) with approximately 120 feet of casing and abandonment of up to 4 private wells (Haupt Well & Pump Co., Inc.) [2] Installation of three additional monitoring/ piezometer well nests with monitoring wells to approximately 23 feet bgs with 10-foot screens and piezometers to approximately 32 feet bgs with 5-foot screens (bedrock is \sim 15 feet bgs). [3] During the drilling project also conduct 4 soil borings to approximately 15 feet bgs (bedrock) and collect two soil samples per boring (top four feet and interval with highest contaminant level) for PVOC, Naphthalene, 1,2-DCA, and EDB analysis. [4] Conduct two guarterly groundwater monitoring rounds from the new site wells (MW-8, -8P, -9, -9P, -10, and -10P) for VOC or PVOC, Naphthalene, 1,2-DCA, and EDB analysis and sample the new private well for VOC analysis in both rounds. [4] Surveying. [5] Prepare new site layout map in CADD with utilities, property boundaries, surface cover, etc.... [6] Investigative Waste Disposal and [7] Letter Report. Costs for the above workscope are as follows:

Access Agreement	\$ 401.94
Install Private Well (and abandonment of old wells)	\$25,900.00 (variance)
Drilling Project	\$18,580.00
Survey	\$ 1,288.88
Prepare new site layout map in CADD	\$ 804.24 (variance)
Groundwater/Private Well Sampling (2 Rounds)	\$ 2,270.52

Letter Report Change Order Request		\$ 1,039.29 \$ 381.78
Change Order Request	Total	<u>\$ 301.70</u> \$54,849.68

We are requesting a bid deferment/variance in the amount of <u>\$54,849.68</u> to cover the additional work described above. Upon review and approval of the workscope and budget, METCO will proceed with the project.

Attached are a site layout map with proposed monitoring/piezometer well and soil boring locations, private well install and abandonment cost estimate, and U&C Standardized Invoice Form as required.

<u>Please note that the location and construction of the new private well will have to be</u> <u>determined by the WDNR and based on the location and construction the cost estimate may</u> <u>need to be revised</u>.

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.

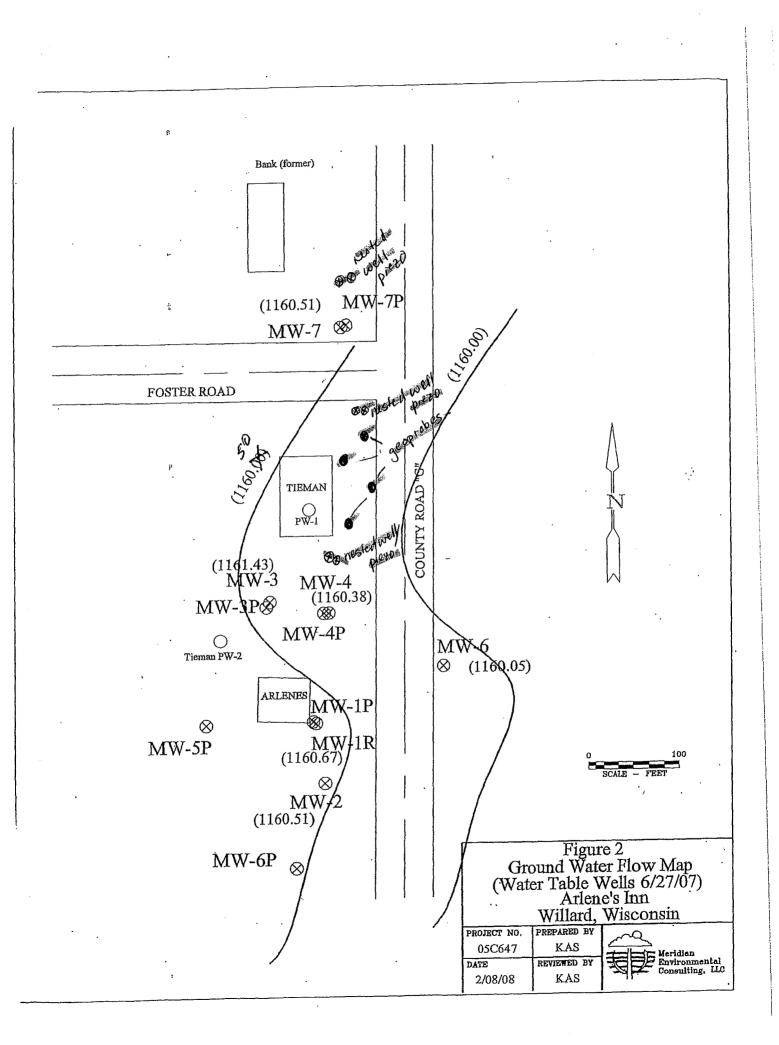
Sincerely,

En T. Powell

Jason T. Powell Staff Scientist

Attachments

c: Don Tieman - Don's General Repair



Usual and Customary Standardized Invoice #24 July 2018- December 2018



PECFA #: 54493-8809-31 Vendor Name: BRRTS #: 03-10-196577 Invoice #: U&C Total \$ 28,145.44 Invoice Date: Variance to U&C Total \$ 26,704.24 Site Name: Arlenes Inn Grand Total \$ 54,849.68 Site Address: N8631 CTH G, Willard, WI Check #: ACTIVITY CODE TOTAL ACTIVITY REFERENCE CODE DESCRIPTION TASK UNIT UNITS TASK DESCRIPTION MAX GS05 Sample Collection Well \$ 72.45 14 \$ 1,014.30 1 GW Sampling GW Sampling GS25 Primary Mob/Demob Site \$ 628.11 2 \$ 1.256.22 1 4 Waste Disposal Consultant WD05 Consultant Coordination Site s 137.13 1 \$ 137.13 GW. Sample and/or Purge s 168.44 4 Waste Disposal Commodity WD10 Drum 42.11 4 S 4 WD15 Drum \$ 108.15 18 \$ 1.946.70 Waste Disposal Commodity Drill Cuttinos \$ 287.70 1 \$ 287.70 Waste Disposal WD25 Primary Mob/Demob 4 Commodity Site 6 Letter Report/Addendum LRA05 Letter Report/Addendum Letter \$ 1,039.29 1 \$ 1,039.29 Coordination of Initial Site Survey (features + well 10 Initial Site Survey Consultant IS05 Survey \$ 117.18 1 \$ 117.18 elevations) 1 \$ 1.171.70 10 IS15 s 1.171.70 Initial Site Survey Commodity Initial Survey Survey Drilling In Unconsolidated Soils -Consultant DR05 0 - 25 ft bgs Ft s 5.40 105 \$ 567.00 13.a With Soil Sampling Drilling In Unconsolidated Soils -45 \$ 71.10 13.b Without Soil And/Or GW Consultant DR25 Consultant Oversight Ft \$ 1.58 Sampling 502.20 13.c Drilling In Bedrock Consultant DR35 Consultant Oversight Ft \$ 6.20 81 \$ Primary Mob/Demob Site \$ 593.04 1 \$ 593.04 13.c Drilling In Bedrock Consultant DR40 Drilling In Unconsolidated Soils -13.d Commodity DR45 0 - 25 ft bgs Ft s 16.70 105 \$ 1,753.50 With Soil Sampling Drilling In Unconsolidated Soils -Drilling in Unconsolidated Soils Ft 45 S 538.65 13 e Without Soil And/Or GW Commodity DR60 s 11.97 Sampling 13.f Drilling In Bedrock Commodity DR65 Drilling in Bedrock Ft \$ 33.18 81 \$ 2.687.58 13.f Drilling In Bedrock Commodity DR70 Bedrock Drilling Setup Charge Each \$ 162.02 6 \$ 972.12 \$ 426.41 3\$ 1,279.23 Drilling In Bedrock DR75 Air Compressor Day 13.f Commodity Ft \$ 3.89 144 \$ 560.16 Monitoring Well Installation Consultant MWI05 0 - 25 ft bgs 14 Ft 21 \$ 14 Monitoring Well Installation Consultant MWI10 26 - 75 ft bos \$ 2.73 57.33 Monitoring Well Installation MWI15 2 inch PVC Casing Ft s 16 70 165 \$ 2 755.50 14 Commodity 14 Monitoring Well Installation Commodity MWI20 Well Development Well s 147.63 6 \$ 885.78 14 Monitoring Well Installation Commodity MWI25 Mob/Demob (For development of grout or slurry sealed wells Site s 548.63 1 \$ 548.63 963.38 1 \$ 963.38 15 Misc. Drilling Activities & Supplies MDT05 Drill Rig Mob/Demob Mob/Demob \$ Well Cover/flushmount 202.65 6\$ 1,215.90 MDT10 Each s 15 Misc. Drilling Activities & Supplies Misc. Drilling Activities & Supplies MDT21 Drum, 55 gal. DOT steel Each s 55.13 22 \$ 1,212.86 15 Commodity Service Provider Per Diem (drilling and direct 15 Misc. Drilling Activities & Supplies MDT25 4 \$ 813.12 Person 203.28 s push) 60 \$ 327.60 15 Misc. Drilling Activities & Supplies MDT35 Borehole Abandonment Foot \$ 5.46 MDT45 s 7.98 6 \$ 47.88 15 Misc. Drilling Activities & Supplies Padlocks Each AA05 \$ 401.94 1 \$ 401.94 21 Access Agreements Property Access Agreements 31 Consultant Overnight Per Diem COPD05 Overnight Night \$ 113.72 2 \$ 227.44

Schedule Of Laboratory 33 Commodity Laboratory (see task 33 total on Lab Schedule) Lab Schedule s 1,643.06 Maximums COR05 Change Order \$ 381.78 1 \$ 381.78 Change Order Request Change Order Request (cost cap exceedance requests) 36 Variance Installation of new private well and abandonment of up to 4 private wells (Haupt Well & Pump Co., Inc.) s 25 900 00 804.24 s

Create new site layout map in CADD (12 hours @ \$67.02/hour) Variance

Usual and Customary Standardized Invoice #24 July 2018- December 2018



		TOTAL LAB CHARGES	\$ 1,643.06		TASK 33	29	\$	1,643.06	TASK 24	0\$-
MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS		MAX COST S	SAMPLES		TOTAL	MAX COST	SAMPLES TOTAL
	MEI CODE	INCIMUOTIONDEL ANALTTE	UNITO			J7000 6660		renac	MAX CODI	SAMILEO 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	10	\$	719.30		
WATER	W1	GRO/PVOC	SAMPLE	\$	29.19		\$	-		
WATER	W2	PVOC	SAMPLE	\$	26.99		\$	-		
WATER	W3	PVOC+1,2 DCA +Naph + EPB	SAMPLE	\$	43.79		\$	262.74		
WATER	W4	PVOC + Naphthalene	SAMPLE	\$	30.35		\$	-		
WATER	W5	VOC	SAMPLE	\$	71.93		\$ \$	-		
WATER WATER	W6 W7	PAH Lead	SAMPLE SAMPLE	\$ \$	72.98 12.39		ф Ф	-		
WATER	W8	Cadmium	SAMPLE	\$	13.55		Ψ \$	_		
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 WATER	W18 W19	methane Phoenbarous	SAMPLE SAMPLE	\$ \$	46.10 18.06		\$ \$	-		
WATER	W20	Phosphorous VOC Method 524.2	SAMPLE	э \$	176.30		Ф \$	-		
WATER	W20	EDB Method 504	SAMPLE	\$	95.45		Ψ \$	_	MAX COST	SAMPLES TOTAL
SOILS	S1	GRO	SAMPLE	\$	24.78	2		49.56	\$ 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 + EDB	SAMPLE	\$	49.46		\$	445.14	\$ 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 \$ 72.08	\$ - \$ -
SOILS SOILS	S9 S10	PAH Lead	SAMPLE SAMPLE	\$ \$	72.98 12.39		ə \$	-	\$ 72.98 \$ 12.39	ф - с
SOILS	S10	Cadmium	SAMPLE	φ \$	14.60		φ \$	_		5K 24 TOTAL \$ -
SOILS	S12	Free Liquid	SAMPLE	\$	11.24		\$	-	174	WETTOTAL W
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	S18	Nitrogen as Total Kjeldahl	SAMPLE	\$	20.27		\$	-		
SOILS	S19	Nitrogen as Ammonia	SAMPLE	\$	16.91		\$			
SOILS	S20	% Organic Matter TOC as NPOC	SAMPLE	\$	29.19		\$ \$	-		
SOILS SOILS	S21 S22	Soil Moisture Content	SAMPLE SAMPLE	\$ \$	57.33 6.83		ф Ф	-		
SOILS	S23	Air Filled Porosity	SAMPLE	э \$	25.83		Ψ \$	_		
SOILS	S24	% Total Solids	SAMPLE	Ψ \$	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		\$	-		
SOILS	S29	TCLP Benzene Viscosity + Density	SAMPLE	\$	83.16	1	\$	83.16		
LNAPL	LFPS01	Interfacial tension I (LNAPL/water [dyne/cm]) Interfacial tension II (LNAPL/air [dyne/cm]) Interfacial tension III (water/air) [dyne/cm])	SAMPLE	\$	561.33		\$	-		
		menada tension in (water/air) [dyne/cin]/			TASK 3	3 TOTAL	\$	1,643.06		
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