



May 23, 2017

Mr. Chris Saari
Wisconsin Department of Natural Resources – Ashland Service Center
Remediation and Redevelopment Program
2501 Golf Course Road
Ashland, WI 54806

Re: Cost Cap Request
Mellen Mart, Mellen, Wisconsin
BRRTS #03-02-000244
COMM # 54546-0727-64

Dear Chris;

Please consider this correspondence notification that our subcontractor was unable to locate and abandon three monitoring wells at the Mellen Mart. One of these wells, MW-11, hasn't been located in the past several monitoring periods. Monitoring wells MW-6 was not located on the property, while the other well MW-12, had been previously damaged as it was in the public right-of-way of the street.

The attached U&C Standardized spreadsheet contains costs to perform the following:

- Prepare a notifications for the Olson Road ROW where MW-12 is located. A notification was previously prepared for Lake Drive for MW-11 and MW-6 is on the property so no notification is required.

We understand that once this notifications is performed, a revised closure request and cd is required and will be sent to you.

Please contact me if you have questions.

Sincerely,

MSA Professional Services, Inc.

Brian Hegge
Senior Project Manager

BJH:eak

Enc. U & C Schedule #21 for Cost Estimate

cc: Emmer Shields, Jr., Ashland County Highway Department, by email

Offices in Illinois, Iowa, Minnesota, and Wisconsin

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Chris Saari
Ashland, WI
January 15, 2016

Jeff Bierl, Ashland County Administrator, by email

Usual and Customary Standardized Invoice #21 January 2017 - June 2017



RR-068A

PECFA #: 54546-0727-64-A
 BRRT's #: 03-02-000244
 Site Name: Former Mellen Mart
 Site Address: 511 Highway 77 East
Mellen, WI

Vendor Name: MSA Professional Services
 Invoice #: Cost Estimate for Well Abandonments
 Invoice Date: 16-Jan-17
 Check #: _____

U&C Total \$ 604.49
 Variance to U&C Total \$ -
 Grand Total \$ 604.49

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	\$ -	
1	GW Sampling		GS10	Incremental Sample Collection (natural attenuation)	Well	\$ 47.67	\$ -	
1	GW Sampling		GS15	Incremental Sample Collection (cadmium & lead)	Well	\$ 26.25	\$ -	
1	GW Sampling		GS20	Measure Water Levels (for wells not being sampled)	Well	\$ 14.70	\$ -	
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 628.11	\$ -	
1	GW Sampling		GS30	Temporary Well Abandonment	Well	\$ 26.99	\$ -	
2	O & M Reporting		OMR05	Annual GW Monitoring (Form 4400-194)	Report	\$ 823.73	\$ -	
2	O & M Reporting		OMR10	Annual GW Monitoring (Form 4400-194) with LNAPL Removal per RR-628	Report	\$ 1,040.45	\$ -	
3	LNAPL Assessment & Removal		LAR05	Removal Activity (Limited to 12 per site)	Well	\$ 47.67	\$ -	
3	LNAPL Assessment & Removal		LAR06	LNAPL Sample Collection (1 per site)	Site	\$ 20.58	\$ -	
3	LNAPL Assessment & Removal		LAR10	Primary Mob/Demob	Site	\$ 518.07	\$ -	
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 137.13	\$ -	
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$ 42.11	\$ -	
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$ 108.15	\$ -	
4	Waste Disposal	Commodity	WD17	Landfill Environmental Fee (provide documentation)	ACTUAL COST			
4	Waste Disposal	Commodity	WD20	Free Product	Drum	\$ 118.76	\$ -	
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 287.70	\$ -	
5	Closure Request		CR05	Primary Closure Request	Submittal	\$ 2,700.00	\$ -	
5	Closure Request		CR10	Closure Request with LNAPL Reporting (incremental to CR05)	Submittal	\$ 1,151.75	\$ -	
5	Closure Request		CR15	GIS Packet Submittal (For Source Property only)	Packet	\$ 507.36	\$ -	
5	Closure Request		CR20	GIS Packet Submittal (For off-site Properties only)	Per Additional Property	\$ 222.71	1 \$	222.71
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$ 1,039.29	\$ -	
7	Regulatory Correspondence		RC05	Regulatory Correspondence	Letter/Status Update	\$ 128.94	\$ -	

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
8	Well Abandonment	Consultant	WAB05	Coordination	Site	\$ 162.86	\$ -	-
8	Well Abandonment	Consultant	WAB10	Water column < 30 ft	Ft	\$ 2.52	\$ -	-
8	Well Abandonment	Consultant	WAB15	Water column > 30 ft (requires pumping [s. NR 141.25 (2) (d)])	Ft	\$ 8.82	\$ -	-
8	Well Abandonment	Consultant	WAB20	Bentonite Pellets (50lb bag - 1/4" pellet)	Bag	\$ 10.82	\$ -	-
8	Well Abandonment	Consultant	WAB25	Portland Cement (94lb bag)	Bag	\$ 8.19	\$ -	-
8	Well Abandonment	Consultant	WAB30	Primary Mob/Demob	Site	\$ 362.25	\$ -	-
8	Well Abandonment	Commodity	WAB35	Well Abandonment Mob/Demob	Site	\$ 412.55	\$ -	-
8	Well Abandonment	Commodity	WAB40	Well Abandonment (2 inch)	Ft	\$ 5.57	\$ -	-
8	Well Abandonment	Commodity	WAB45	Well Abandonment (4 inch)	Ft	\$ 6.51	\$ -	-
8	Well Abandonment	Commodity	WAB50	Well Abandonment (6 inch)	Ft	\$ 7.98	\$ -	-
9	Investigation Workplan Preparation		IWP05	Investigation Workplan Preparation	Report	\$ 1,451.63	\$ -	-
10	Initial Site Survey	Consultant	IS05	Coordination of Initial Site Survey (features + well elevations)	Survey	\$ 117.18	\$ -	-
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	\$ 110.15	\$ -	-
10	Initial Site Survey	Commodity	IS15	Initial Survey	Survey	\$ 1,171.70	\$ -	-
11	Potable Well Field Reconnaissance		PWFR05	Potable Well Field Reconnaissance	Site	\$ 583.50	\$ -	-
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 5.36	\$ -	-
12	Direct Push	Consultant	DP10	> 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 5.99	\$ -	-
12	Direct Push	Consultant	DP15	GW Profiling (No Soil Sampling)	Ft	\$ 2.31	\$ -	-
12	Direct Push	Consultant	DP20	GW Sample Collection	Each	\$ 36.10	\$ -	-
12	Direct Push	Consultant	DP25	Temporary Well Installation	Each	\$ 49.90	\$ -	-
12	Direct Push	Consultant	DP30	Primary Mob/Demob	Site	\$ 512.10	\$ -	-
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 6.93	\$ -	-
12	Direct Push	Commodity	DP40	> 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 9.03	\$ -	-
12	Direct Push	Commodity	DP45	GW Profiling (no soil sampling)	Ft	\$ 6.51	\$ -	-
12	Direct Push	Commodity	DP50	GW Sample Collection (cost for tubing)	Ft	\$ 0.42	\$ -	-
12	Direct Push	Commodity	DP55	Expendable Drive Point	Each	\$ 14.49	\$ -	-
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	\$ 1.26	\$ -	-
12	Direct Push	Commodity	DP65	Concrete Penetration	Each	\$ 20.10	\$ -	-
12	Direct Push	Commodity	DP70	GW Sample Collection	Each	\$ 39.27	\$ -	-
12	Direct Push	Commodity	DP75	Temporary Well Installation	Ft	\$ 5.25	\$ -	-
12	Direct Push	Commodity	DP80	Mob/Demob (Includes decon)	Site	\$ 526.05	\$ -	-
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.40	\$ -	-
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR10	26 - 50 ft bgs	Ft	\$ 5.67	\$ -	-

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR15	51 - 75 ft bgs	Ft	\$ 7.30	\$ -	-
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$ 593.04	\$ -	-
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR25	Consultant Oversight	Ft	\$ 1.58	\$ -	-
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR30	Primary Mob/Demob	Site	\$ 505.16	\$ -	-
13.c	Drilling In Bedrock	Consultant	DR35	Consultant Oversight	Ft	\$ 6.20	\$ -	-
13.c	Drilling In Bedrock	Consultant	DR40	Primary Mob/Demob	Site	\$ 593.04	\$ -	-
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	\$ 16.70	\$ -	-
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR50	26 - 50 ft bgs	Ft	\$ 18.38	\$ -	-
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR55	51 - 75 ft bgs	Ft	\$ 21.53	\$ -	-
13.e	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Commodity	DR60	Drilling in Unconsolidated Soils	Ft	\$ 11.97	\$ -	-
13.f	Drilling In Bedrock	Commodity	DR65	Drilling in Bedrock	Ft	\$ 33.18	\$ -	-
13.f	Drilling In Bedrock	Commodity	DR70	Bedrock Drilling Setup Charge	Each	\$ 162.02	\$ -	-
13.f	Drilling In Bedrock	Commodity	DR75	Air Compressor	Day	\$ 426.41	\$ -	-
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 3.89	\$ -	-
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs	Ft	\$ 2.73	\$ -	-
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 16.70	\$ -	-
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 147.63	\$ -	-
14	Monitoring Well Installation	Commodity	MWI25	Mob/Demob (For development of grout or slurry sealed wells	Site	\$ 548.63	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	\$ 963.38	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	\$ 202.65	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT15	Stickup Well Cover	Each	\$ 163.91	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT20	Bumper Guard Posts	Each	\$ 69.30	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 55.13	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	\$ 203.28	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT30	Well Repair	Well	\$ 84.42	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT35	Borehole Abandonment	Foot	\$ 5.46	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT40	Concrete Penetration	Each	\$ 72.87	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT41	Private Utility Locate	Each	\$ 117.18	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	\$ 7.98	\$ -	-

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
16	Hand Auger Boring		HA05	Hand Augering	Boring	\$ 89.99	\$ -	
16	Hand Auger Boring		HA10	Primary Mob/Demob	Site	\$ 555.56	\$ -	
17	Surface Soil/Sediment/Water Sampling		SSWS05	Sampling	Sample Location	\$ 21.53	\$ -	
17	Surface Soil/Sediment/Water Sampling		SSWS10	Primary Mob/Demob	Site	\$ 452.45	\$ -	
18	Vapor Screening		VS05	Vapor Screening	Site	\$ 212.42	\$ -	
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	\$ 58.59	\$ -	
19	Hydraulic Conductivity Testing		HCT10	Primary Mob/Demob	Site	\$ 652.79	\$ -	
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit	Permit	\$ 246.12	\$ -	
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			
21	Access Agreements		AA05	Access Agreements	Property	\$ 401.94	\$ -	
22	Soil Investigation Report		SIR05	Soil Investigation Report	Report	\$ 3,330.92	\$ -	
23	Soil And GW Investigation Report		SGIR05	Soil and GW Investigation Report	Report	\$ 4,965.35	\$ -	
24	Limited Soil Excavation	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	\$ 4.94	\$ -	
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	\$ 831.92	\$ -	
24	Limited Soil Excavation	Commodity	LSE13	Laboratory (see task 24 total on Lab Schedule)	Lab Schedule		0 \$ -	
24	Limited Soil Excavation	Commodity	LSE15	Limited Soil Excavation	Ton	\$ 60.00	\$ -	
24	Limited Soil Excavation	Commodity	LSE16	Landfill Environmental Fee (provide documentation)	ACTUAL COST			
25	Remediation System Shut Down		SSD05	Permanent	Site	\$ 1,095.47	\$ -	
25	Remediation System Shut Down		SSD10	Temporary	Site	\$ 329.28	\$ -	
25	Remediation System Shut Down		SSD15	Primary Mob/Demob	Site	\$ 473.55	\$ -	
26	Site Specific RCL Calculations For Direct Contact Risk		SSRCL05	SSRCL Calculations	Site	\$ 386.72	\$ -	
27	Claim Submittal		CS05	Claim Submittal	Claim	\$ 585.90	\$ -	
28	Standardized Invoice		BS05	Standardized Invoice	Invoice	\$ 17.64	\$ -	
29	Occurrence Classification		OC05	Occurrence Classification	Letter/Status Update	\$ 125.37	\$ -	
30	Meeting With Regulators		MR05	Meeting with Regulators	Meeting	\$ 349.23	\$ -	
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	\$ 113.72	\$ -	
32	Deed Restriction Preparation		DRP05	Deed Restriction Preparation	Deed	\$ 178.19	\$ -	
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule		0 \$ -	
34	Consultant Incremental Mob/Demob		IMD05	Incremental Mob/Demob	Site	\$ 287.18	\$ -	
35	Cap Maintenance Plan		CMP05	Cap Maintenance Plan	Plan	\$ 320.04	\$ -	
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 381.78	1 \$ 381.78	

Variance

Variance