

General Engineering Company  
P.O. Box 340  
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*Engineers • Consultants • Inspectors*

October 14, 2019

Mr. Janet DiMaggio  
Wisconsin Department of Natural Resources  
3911 Fish Hatchery Road  
Fitchburg, Wisconsin 53711

Re: Bid Deferral and Variance Request for Soil Amendments Added to the Excavation to expedite Remediation  
Hugo Speaker Property  
6832 U.S. Highway 18  
Mount Ida, Wisconsin  
PECFA No. 53809-9640-32

Dear Ms. DiMaggio,

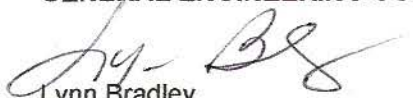
In accordance with my discussion of this project with you, General Engineering Company (GEC) is submitting this bid deferral and variance request to acquire funds for the preparation of this bid variance to place soil amendments such as aerobic bacteria, Calcium Peroxide (slow release oxygen) and OSEII in the bottom of the excavation to expedite remedial efforts already bid and approved at the property.

The consultant change order preparation for this bid deferral request were calculated utilizing the most recent Usual and Customary Cost Schedule (UCCS) #26. Those costs total \$393.23 and are included on the attached Usual and Customary Standardized Invoice. The variance costs associated with the addition of amendments to the excavation is included in the variance rows of the UCCS Invoice #26 and total \$18, 892.50. The breakdown of the variance costs is shown on the attached bid provided by Cabeno Environmental Services. Total cost of this Bid Deferral is \$19,285.73.

General Engineering looks forward to your response. Please do not hesitate to contact me with any questions or concerns.

Respectfully submitted,

**GENERAL ENGINEERING COMPANY**

  
Lynn Bradley  
Environmental Project Manager

Attached: UCCS Standardized Invoice

c: Michael R. Skaife, 6832 Highway 18, Fennimore, Wisconsin 53809

Portage

Black River Falls

La Crosse



Consulting Engineering • Structural Engineering • Building Design • Environmental Services • Building Inspection • GIS Services  
Grant Procurement & Administration • Land Surveying • Zoning Administration • Mechanical, Electrical, & Plumbing Services



# Usual and Customary Standardized Invoice #26

## July 2019 - December 2019



RR-111a

PECFA #: 53809-9640-32  
 BRRTS #: 03-22-178494  
 Site Name: Speaker Property  
 Site Address: 6832 State Hwy 18

Vendor Name: \_\_\_\_\_  
 Invoice #: \_\_\_\_\_  
 Invoice Date: \_\_\_\_\_  
 Check #: \_\_\_\_\_

U&C Total \$ 393.23  
 Variance to U&C Total \$ 18,892.50  
 Grand Total \$ 19,285.73

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
1	GW Sampling		GS05	Sample Collection	Well	\$ 74.62	\$ -	
1	GW Sampling		GS06	Sample Collection in well w/LNAPL	Well	\$ 90.07	\$ -	
1	GW Sampling		GS10	Incremental Sample Collection (natural attenuation)	Well	\$ 49.10	\$ -	
1	GW Sampling		GS15	Incremental Sample Collection (cadmium & lead)	Well	\$ 27.04	\$ -	
1	GW Sampling		GS20	Measure Water Levels (for wells not being sampled)	Well	\$ 15.14	\$ -	
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 690.92	\$ -	
1	GW Sampling		GS30	Temporary Well Abandonment	Well	\$ 27.80	\$ -	
2	O & M Reporting		OMR05	Semi-Annual GW Monitoring (Form 4400-194)	Report	\$ 848.44	\$ -	
2	O & M Reporting		OMR10	Semi-Annual GW Monitoring (Form 4400-194) with LNAPL Removal per RR-628	Report	\$ 1,071.66	\$ -	
3	LNAPL Assessment & Removal		LAR06	LNAPL Sample Collection (1 per site, unless otherwise direct	Site	\$ 70.30	\$ -	
3	LNAPL Assessment & Removal		LAR10	Primary Mob/Demob	Site	\$ 569.88	\$ -	
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	\$ 141.24	\$ -	
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	\$ 43.37	\$ -	
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	\$ 111.39	\$ -	
4	Waste Disposal	Commodity	WD17	Landfill Environmental Fee (provide documentation)	ACTUAL COST			
4	Waste Disposal	Commodity	WD20	Free Product	Drum	\$ 122.32	\$ -	
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	\$ 316.47	\$ -	
5	Closure Request		CR05	Primary Closure Request	Submittal	\$ 2,781.00	\$ -	
5	Closure Request		CR15	Continuing Obligation Packet Submittal (For Source Property)	Packet	\$ 522.58	\$ -	
5	Closure Request		CR20	Continuing Obligation Packet Submittal (For off-site Property)	Per Additional Property	\$ 229.39	\$ -	
5	Closure Request		CR25	Closure Request Following SIR	Submittal	\$ 1,287.50	\$ -	
5	Closure Request		CR30	PE review and certification of closure packet	Site	\$ 1,129.60	\$ -	
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$ 1,070.47	\$ -	

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
7	Regulatory Correspondence		RC05	Regulatory Correspondence	Letter/Status Update	\$ 132.81		\$ -
8	Well Abandonment	Consultant	WAB05	Coordination	Site	\$ 162.86		\$ -
8	Well Abandonment	Consultant	WAB10	Water column < 30 ft	Ft	\$ 2.60		\$ -
8	Well Abandonment	Consultant	WAB15	Water column > 30 ft (requires pumping [s. NR 141.25 (2) (d)])	Ft	\$ 9.08		\$ -
8	Well Abandonment	Consultant	WAB20	Bentonite Pellets (50lb bag - 1/4" pellet)	Bag	\$ 11.14		\$ -
8	Well Abandonment	Consultant	WAB25	Portland Cement (94lb bag)	Bag	\$ 8.44		\$ -
8	Well Abandonment	Consultant	WAB30	Primary Mob/Demob	Site	\$ 398.48		\$ -
8	Well Abandonment	Consultant	WAB31	Primary Mob/Demob w/ vapor point abandonment	Site	\$ 563.48		\$ -
8	Well Abandonment	Consultant	WAB32	Vapor Point Abandonment	Point	\$ 81.58		\$ -
8	Well Abandonment	Commodity	WAB35	Well Abandonment Mob/Demob	Site	\$ 453.81		\$ -
8	Well Abandonment	Commodity	WAB40	Well Abandonment (2 inch)	Ft	\$ 5.74		\$ -
8	Well Abandonment	Commodity	WAB45	Well Abandonment (4 inch)	Ft	\$ 6.71		\$ -
8	Well Abandonment	Commodity	WAB50	Well Abandonment (6 inch)	Ft	\$ 8.22		\$ -
9	Investigation Workplan Preparation		IWP05	Investigation Workplan Preparation	Report	\$ 1,495.18		\$ -
10	Initial Site Survey	Consultant	IS05	Coordination of Initial Site Survey (features + well elevations)	Survey	\$ 120.70		\$ -
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	\$ 113.45		\$ -
10	Initial Site Survey	Commodity	IS15	Initial Survey	Survey	\$ 1,206.85		\$ -
11	Potable Well Field Reconnaissance		PWFR05	Potable Well Field Reconnaissance	Site	\$ 601.01		\$ -
12	Direct Push	Consultant	DP05	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 5.52		\$ -
12	Direct Push	Consultant	DP10	> 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 6.17		\$ -
12	Direct Push	Consultant	DP15	GW Profiling (No Soil Sampling)	Ft	\$ 2.38		\$ -
12	Direct Push	Consultant	DP20	GW Sample Collection	Each	\$ 37.18		\$ -
12	Direct Push	Consultant	DP25	Temporary Well Installation	Each	\$ 51.40		\$ -
12	Direct Push	Consultant	DP30	Primary Mob/Demob	Site	\$ 563.31		\$ -
12	Direct Push	Commodity	DP35	0 - 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 7.14		\$ -
12	Direct Push	Commodity	DP40	> 24 ft bgs W/ Continuous Soil Sampling	Ft	\$ 9.30		\$ -
12	Direct Push	Commodity	DP45	GW Profiling (no soil sampling)	Ft	\$ 6.71		\$ -
12	Direct Push	Commodity	DP50	GW Sample Collection (cost for tubing)	Ft	\$ 0.43		\$ -
12	Direct Push	Commodity	DP55	Expendable Drive Point	Each	\$ 14.92		\$ -
12	Direct Push	Commodity	DP60	Borehole Abandonment	Ft	\$ 1.30		\$ -
12	Direct Push	Commodity	DP65	Concrete Penetration	Each	\$ 20.70		\$ -
12	Direct Push	Commodity	DP70	GW Sample Collection	Each	\$ 40.45		\$ -
12	Direct Push	Commodity	DP75	Temporary Well Installation	Ft	\$ 5.41		\$ -

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
12	Direct Push	Commodity	DP80	Mob/Demob (Includes decon)	Site	\$ 578.66	\$ -	-
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	\$ 5.56	\$ -	-
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR10	26 - 50 ft bgs	Ft	\$ 5.84	\$ -	-
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR15	51 - 75 ft bgs	Ft	\$ 7.52	\$ -	-
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	\$ 652.34	\$ -	-
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR25	Consultant Oversight	Ft	\$ 1.63	\$ -	-
13.b	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Consultant	DR30	Primary Mob/Demob	Site	\$ 555.68	\$ -	-
13.c	Drilling In Bedrock	Consultant	DR35	Consultant Oversight	Ft	\$ 6.39	\$ -	-
13.c	Drilling In Bedrock	Consultant	DR40	Primary Mob/Demob	Site	\$ 652.34	\$ -	-
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	\$ 17.20	\$ -	-
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR50	26 - 50 ft bgs	Ft	\$ 18.93	\$ -	-
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR55	51 - 75 ft bgs	Ft	\$ 22.18	\$ -	-
13.e	Drilling In Unconsolidated Soils - Without Soil And/Or GW Sampling	Commodity	DR60	Drilling in Unconsolidated Soils	Ft	\$ 12.33	\$ -	-
13.f	Drilling In Bedrock	Commodity	DR65	Drilling in Bedrock	Ft	\$ 34.18	\$ -	-
13.f	Drilling In Bedrock	Commodity	DR70	Bedrock Drilling Setup Charge	Each	\$ 166.88	\$ -	-
13.f	Drilling In Bedrock	Commodity	DR75	Air Compressor	Day	\$ 439.20	\$ -	-
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	\$ 4.01	\$ -	-
14	Monitoring Well Installation	Consultant	MWI10	26 - 75 ft bgs	Ft	\$ 2.81	\$ -	-
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	\$ 17.20	\$ -	-
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	\$ 152.06	\$ -	-
14	Monitoring Well Installation	Commodity	MWI25	Mob/Demob (For development of grout or slurry sealed wells)	Site	\$ 603.49	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	\$ 1,059.72	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	\$ 208.73	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT15	Stickup Well Cover	Each	\$ 168.83	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT20	Bumper Guard Posts	Each	\$ 71.38	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	\$ 56.78	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT25	Commodity Service Provider Per Diem (drilling and direct push)	Person	\$ 209.38	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT30	Well Repair	Well	\$ 86.95	\$ -	-
15	Misc. Drilling Activities & Supplies		MDT35	Borehole Abandonment	Foot	\$ 5.62	\$ -	-

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
15	Misc. Drilling Activities & Supplies		MDT40	Concrete Penetration	Each	\$ 75.06		\$ -
15	Misc. Drilling Activities & Supplies		MDT41	Private Utility Locate	ACTUAL COST			\$ -
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	\$ 8.22		\$ -
16	Hand Auger Boring		HA05	Hand Augering	Boring	\$ 92.69		\$ -
16	Hand Auger Boring		HA10	Primary Mob/Demob	Site	\$ 611.12		\$ -
17	Surface Soil/Sediment/Water Sampling		SSWS05	Sampling	Sample Location	\$ 22.18		\$ -
17	Surface Soil/Sediment/Water Sampling		SSWS10	Primary Mob/Demob	Site	\$ 497.70		\$ -
19	Hydraulic Conductivity Testing		HCT05	Hydraulic Conductivity Testing	Well	\$ 60.35		\$ -
19	Hydraulic Conductivity Testing		HCT10	Primary Mob/Demob	Site	\$ 718.07		\$ -
20	Soil Boring/Monitoring Well Permits		SBMWP05	Soil Boring/Monitoring Well Permit	Permit	\$ 253.50		\$ -
20	Soil Boring/Monitoring Well Permits		SBMWP10	Permit Fee (copy of permit & fee receipt required)	Permit Fee			\$ -
21	Access Agreements		AA05	Access Agreements	Property	\$ 414.00		\$ -
22	Soil Investigation Report		SIR05	Soil Investigation Report	Report	\$ 3,430.85		\$ -
23	Soil And GW Investigation Report		SGIR05	Soil and GW Investigation Report	Report	\$ 5,114.31		\$ -
24	Limited Soil Excavation	Consultant	LSE05	Consultant Oversight for Limited Soil Excavation	Ton	\$ 5.09		\$ -
24	Limited Soil Excavation	Consultant	LSE10	Primary Mob/Demob	Site	\$ 915.11		\$ -
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	\$ 61.80		\$ -
24	Limited Soil Excavation	Commodity	LSE16	Landfill Environmental Fee (provide documentation)	ACTUAL COST			\$ -
25	Remediation System Shut Down		SSD05	Permanent	Site	\$ 1,128.33		\$ -
25	Remediation System Shut Down		SSD10	Temporary	Site	\$ 339.16		\$ -
25	Remediation System Shut Down		SSD15	Primary Mob/Demob	Site	\$ 520.91		\$ -
27	Claim Submittal		CS05	Claim Submittal	Claim	\$ 603.48		\$ -
28	Standardized Invoice		SI05	Standardized Invoice	Invoice	\$ 18.17		\$ -
30	Meeting With Regulators		MR05	Meeting with Regulators	Meeting	\$ 359.71		\$ -
31	Consultant Overnight Per Diem		COPD05	Overnight	Night	\$ 125.09		\$ -
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			\$ -
34	Consultant Incremental Mob/Demob		IMD05	Incremental Mob/Demob	Site	\$ 295.80		\$ -
35	Cap Maintenance Plan		CMP05	Cap Maintenance Plan	Plan	\$ 329.64		\$ -
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 393.23	1	\$ 393.23
37	Vapor Point Installation & Sampling		VIS05	Installation & Sampling (up to 5 points)	Point	\$ 510.26		\$ -
37	Vapor Point Installation & Sampling		VIS10	Mob/Demob (up to 5 points)	Site	\$ 813.95		\$ -



**CABENO Environmental Field Services, LLC**  
**931 Country Creek Dr.**  
**New Lenox , IL 60451**  
**815-774-3747 phone / 815-774-3748 fax**

October 14, 2019

Lynn Bradley  
General Engineering Company  
916 Silver Lake Drive PO.Box 340  
Portage, WI 53901

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**Scope of Work:**

- Soil amendments to be added to excavation to expedite remediation
- Amendments will be mixed into bottom 1' of soils in excavation by other contractor
- Assume 67 yards of soil to treat

**Location:**

Speaker Property  
6832 Hwy. 18  
Mt. Ida, WI

<b>Direct Inject OSEII For Product Recovery Enhancement</b>	<b>Units</b>	<b>Unit Cost</b>	<b>Actual Units</b>	<b>Totals</b>
Aerobic bacteria	Per gal	\$50.00	7.5	\$375.00
CABENO mob/demob & time onsite	Per hour	\$75.00	6	\$450.00
Calcium Peroxide (slow release oxygen) 30lbs per yard of soil	Per pound	\$6.75	2010	\$13,567.50
OSEII (concentrate - dilute 2.5 gals into 80gals fresh water)	Per gallon	\$150.00	30	\$4,500.00
			<b>Totals:</b>	<b>\$18,892.50</b>

- Mix aerobic bacteria and OSEII into 960 gals fresh water and use to mix soils in bottom of excavation
- Once OSEII and bacteria are mixed, add in calcium peroxide and mix in, add additional water if needed.