



Meridian Environmental Consulting, LLC

March 26, 2020

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

Subject: **Change Order:**
• **Resample Town Hall and Krizan water supply twice (April, May)**

Webster Pig Farm
Gilman, Wisconsin
PECFA No. 54433-9429-94
DNR BRRTS Nos. 03-61-000650
Meridian No. 05F784


Scope of Work:

The most recent sampling results for the Krizan water supply reported 0.86 ug/l of 1,2 – Dichloroethane (1,2 DCA). This concentration is above the NR140 PAL (Preventative Action Limit) but below NR140 ES (Enforcement Standards). The results are not consistent with previous sampling results.

We recommend the well be resampled twice (April, May) for VOC (Method 524.2). We will also sample the Town Hall well both times because 1,2 DCA was measured in that well (but has not reappeared in the last 2 sample events).

A Change Order for this action is included with this letter.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC


Kenneth Shimko, PG
Project Manager

Usual and Customary Standardized Invoice #27

January 2020 - June 2020



RR-0113a-E

PECFA #: 54433-9429-94
 BRRTS #: 03-61-000650
 Site Name: Webster Pig Farm
 Site Address: Gilman (Donald/Pershing Township)

Vendor Name: Change Order
 Invoice #: Change Order
 Invoice Date: March 2020
 Check #: Change Order

U&C Total \$ 2,799.91
 Variance to U&C Total \$ -
 Grand Total \$ 2,799.91

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
Sample Town Hall and Krizan new well 2X (April & May - 2020) for VOC (Method 524.2).								
1	GW Sampling		GS05	Sample Collection	Well	\$ 74.62	4	\$ 298.48
1	GW Sampling		GS25	Primary Mob/Demob	Site	\$ 690.92	2	\$ 1,381.84
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule			\$ 726.36
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	\$ 393.23	1	\$ 393.23
	Variance							
	Variance							

Usual and Customary Standardized Invoice #27

January 2020- June 2020



RR-0113a-E

TOTAL LAB CHARGES \$ 726.36 TASK 33 4 \$ 726.36 TASK 24 0 \$ -

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	\$ 46.29		\$ -			
AIR	A2	BETX	SAMPLE	\$ 50.94		\$ -			
AIR	A3	GRO	SAMPLE	\$ 47.48		\$ -			
AIR	A4	VOC's	SAMPLE	\$ 74.09		\$ -			
WATER	W1	GRO/PVOC	SAMPLE	\$ 30.07		\$ -			
WATER	W2	PVOC	SAMPLE	\$ 27.80		\$ -			
WATER	W3	PVOC + 1,2 DCA	SAMPLE	\$ 45.10		\$ -			
WATER	W4	PVOC + Naphthalene	SAMPLE	\$ 31.26		\$ -			
WATER	W5	VOC	SAMPLE	\$ 74.09		\$ -			
WATER	W6	PAH	SAMPLE	\$ 75.17		\$ -			
WATER	W7	Lead	SAMPLE	\$ 12.76		\$ -			
WATER	W8	Cadmium	SAMPLE	\$ 13.96		\$ -			
WATER	W9	Hardness	SAMPLE	\$ 12.76		\$ -			
WATER	W10	BOD, Total	SAMPLE	\$ 24.34		\$ -			
WATER	W11	Nitrate	SAMPLE	\$ 11.58		\$ -			
WATER	W12	Total Kjeldahl	SAMPLE	\$ 20.88		\$ -			
WATER	W13	Ammonia	SAMPLE	\$ 17.42		\$ -			
WATER	W14	Sulfate	SAMPLE	\$ 10.50		\$ -			
WATER	W15	Iron	SAMPLE	\$ 10.50		\$ -			
WATER	W16	Manganese	SAMPLE	\$ 10.50		\$ -			
WATER	W17	Alkalinity	SAMPLE	\$ 10.50		\$ -			
WATER	W18	methane	SAMPLE	\$ 47.48		\$ -			
WATER	W19	Phosphorous	SAMPLE	\$ 18.60		\$ -			
WATER	W20	VOC Method 524.2	SAMPLE	\$ 181.59	4	\$ 726.36			
WATER	W21	EDB Method 504	SAMPLE	\$ 98.31		\$ -			
SOILS	S1	GRO	SAMPLE	\$ 25.52		\$ -	MAX COST	SAMPLES	TOTAL
SOILS	S2	DRO	SAMPLE	\$ 31.26		\$ -	\$ 25.52		\$ -
SOILS	S3	GRO/PVOC	SAMPLE	\$ 28.98		\$ -	\$ 31.26		\$ -
SOILS	S4	PVOC	SAMPLE	\$ 26.60		\$ -	\$ 28.98		\$ -
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	\$ 50.94		\$ -	\$ 26.60		\$ -
SOILS	S6	PVOC + Naphthalene	SAMPLE	\$ 37.10		\$ -	\$ 50.94		\$ -
SOILS	S7	VOC	SAMPLE	\$ 74.09		\$ -	\$ 37.10		\$ -
SOILS	S8	SPLP Extraction VOC only	SAMPLE	\$ 52.13		\$ -	\$ 74.09		\$ -
SOILS	S9	PAH	SAMPLE	\$ 75.17		\$ -	\$ 52.13		\$ -
SOILS	S10	Lead	SAMPLE	\$ 12.76		\$ -	\$ 75.17		\$ -
SOILS	S11	Cadmium	SAMPLE	\$ 15.04		\$ -	\$ 12.76		\$ -
SOILS	S12	Free Liquid	SAMPLE	\$ 11.58		\$ -	TASK 24 TOTAL \$ -		
SOILS	S13	Flash Point	SAMPLE	\$ 26.60		\$ -			
SOILS	S14	Grain Size - dry	SAMPLE	\$ 44.02		\$ -			
SOILS	S15	Grain Size - wet	SAMPLE	\$ 59.05		\$ -			
SOILS	S16	Bulk Density	SAMPLE	\$ 13.96		\$ -			
SOILS	S17	Permeability	SAMPLE	\$ 42.83		\$ -			
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	\$ 20.88		\$ -			
SOILS	S19	Nitrogen as Ammonia	SAMPLE	\$ 17.42		\$ -			
SOILS	S20	% Organic Matter	SAMPLE	\$ 30.07		\$ -			
SOILS	S21	TOC as NPOC	SAMPLE	\$ 59.05		\$ -			
SOILS	S22	Soil Moisture Content	SAMPLE	\$ 7.03		\$ -			
SOILS	S23	Air Filled Porosity	SAMPLE	\$ 26.60		\$ -			
SOILS	S24	% Total Solids	SAMPLE	\$ 7.03		\$ -			
SOILS	S25	Field Capacity	SAMPLE	\$ 28.98		\$ -			
SOILS	S26	TCLP Lead	SAMPLE	\$ 85.65		\$ -			
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	\$ 27.80		\$ -			
SOILS	S28	TCLP Cadmium	SAMPLE	\$ 85.65		\$ -			
SOILS	S29	TCLP Benzene	SAMPLE	\$ 85.65		\$ -			
		Viscosity + Density							
LNAPL	LFPS01	Interfacial tension I (LNAPL/water [dyne/cm])	SAMPLE	\$ 578.17		\$ -			
		Interfacial tension II (LNAPL/air [dyne/cm])							
		Interfacial tension III (water/air) [dyne/cm])							
						TASK 33 TOTAL \$ 726.36			

Krizan

ANALYTICAL RESULTS

Project: WEBSTER PIG FARM
Pace Project No.: 40204825

Sample: HOUSE Lab ID: 40204825023 Collected: 03/13/20 00:00 Received: 03/17/20 09:10 Matrix: Water

Krizan House well

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
524.2 MSV									
Analytical Method: EPA 524.2									
Benzene	<0.066	ug/L	0.22	0.066	1		03/24/20 18:21	71-43-2	
Bromobenzene	<0.069	ug/L	0.23	0.069	1		03/24/20 18:21	108-86-1	
Bromochloromethane	<0.092	ug/L	0.31	0.092	1		03/24/20 18:21	74-97-5	
Bromodichloromethane	<0.075	ug/L	0.25	0.075	1		03/24/20 18:21	75-27-4	
Bromoform	<0.20	ug/L	0.67	0.20	1		03/24/20 18:21	75-25-2	
Bromomethane	<0.17	ug/L	0.57	0.17	1		03/24/20 18:21	74-83-9	
n-Butylbenzene	<0.18	ug/L	0.59	0.18	1		03/24/20 18:21	104-51-8	
sec-Butylbenzene	<0.16	ug/L	0.52	0.16	1		03/24/20 18:21	135-98-8	
tert-Butylbenzene	<0.055	ug/L	0.18	0.055	1		03/24/20 18:21	98-06-6	
Carbon tetrachloride	<0.085	ug/L	0.28	0.085	1		03/24/20 18:21	56-23-5	
Chlorobenzene	<0.050	ug/L	0.17	0.050	1		03/24/20 18:21	108-90-7	
Chloroethane	<0.071	ug/L	0.24	0.071	1		03/24/20 18:21	75-00-3	
Chloroform	<0.31	ug/L	1.0	0.31	1		03/24/20 18:21	67-66-3	
Chloromethane	<0.087	ug/L	0.29	0.087	1		03/24/20 18:21	74-87-3	
2-Chlorotoluene	<0.051	ug/L	0.17	0.051	1		03/24/20 18:21	95-49-8	
4-Chlorotoluene	<0.048	ug/L	0.16	0.048	1		03/24/20 18:21	106-43-4	
1,2-Dibromo-3-chloropropane	<0.11	ug/L	0.37	0.11	1		03/24/20 18:21	96-12-8	N2
Dibromochloromethane	<0.065	ug/L	0.22	0.065	1		03/24/20 18:21	124-48-1	
1,2-Dibromoethane (EDB)	<0.030	ug/L	0.099	0.030	1		03/24/20 18:21	106-93-4	N2
Dibromomethane	<0.12	ug/L	0.38	0.12	1		03/24/20 18:21	74-95-3	
1,2-Dichlorobenzene	<0.054	ug/L	0.18	0.054	1		03/24/20 18:21	95-50-1	
1,3-Dichlorobenzene	<0.068	ug/L	0.23	0.068	1		03/24/20 18:21	541-73-1	
1,4-Dichlorobenzene	<0.075	ug/L	0.25	0.075	1		03/24/20 18:21	106-46-7	
Dichlorodifluoromethane	<0.069	ug/L	0.23	0.069	1		03/24/20 18:21	75-71-8	
1,1-Dichloroethane	<0.079	ug/L	0.26	0.079	1		03/24/20 18:21	75-34-3	
* 1,2-Dichloroethane	0.86	ug/L	0.58	0.17	1		03/24/20 18:21	107-06-2	
1,1-Dichloroethene	<0.088	ug/L	0.29	0.088	1		03/24/20 18:21	75-35-4	
cis-1,2-Dichloroethene	<0.042	ug/L	0.14	0.042	1		03/24/20 18:21	156-59-2	
trans-1,2-Dichloroethene	<0.045	ug/L	0.15	0.045	1		03/24/20 18:21	156-60-5	
1,2-Dichloropropane	<0.051	ug/L	0.17	0.051	1		03/24/20 18:21	78-87-5	
1,3-Dichloropropane	<0.093	ug/L	0.31	0.093	1		03/24/20 18:21	142-28-9	N2
2,2-Dichloropropane	<0.13	ug/L	0.45	0.13	1		03/24/20 18:21	594-20-7	
1,1-Dichloropropene	<0.061	ug/L	0.20	0.061	1		03/24/20 18:21	563-58-6	
cis-1,3-Dichloropropene	<0.076	ug/L	0.25	0.076	1		03/24/20 18:21	10061-01-5	
trans-1,3-Dichloropropene	<0.056	ug/L	0.19	0.056	1		03/24/20 18:21	10061-02-6	
Ethylbenzene	<0.054	ug/L	0.18	0.054	1		03/24/20 18:21	100-41-4	
Hexachloro-1,3-butadiene	<0.18	ug/L	0.61	0.18	1		03/24/20 18:21	87-68-3	
Isopropylbenzene (Cumene)	<0.047	ug/L	0.16	0.047	1		03/24/20 18:21	98-82-8	
p-Isopropyltoluene	<0.12	ug/L	0.40	0.12	1		03/24/20 18:21	99-87-6	N2
Methylene Chloride	<0.45	ug/L	1.5	0.45	1		03/24/20 18:21	75-09-2	
Methyl-tert-butyl ether	<0.077	ug/L	0.26	0.077	1		03/24/20 18:21	1634-04-4	
Naphthalene	<0.076	ug/L	0.25	0.076	1		03/24/20 18:21	91-20-3	
n-Propylbenzene	<0.058	ug/L	0.19	0.058	1		03/24/20 18:21	103-65-1	
Styrene	<0.063	ug/L	0.21	0.063	1		03/24/20 18:21	100-42-5	
1,1,1,2-Tetrachloroethane	<0.036	ug/L	0.12	0.036	1		03/24/20 18:21	630-20-6	
1,1,2,2-Tetrachloroethane	<0.068	ug/L	0.23	0.068	1		03/24/20 18:21	79-34-5	

REPORT OF LABORATORY ANALYSIS

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