

November 8, 2017

Mr. Lee Delcore Wisconsin Department of Natural Resources 1155 Pilgrim Road Plymouth, WI 53073



ReadyEarth Consulting, Inc.

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RE: Change Order Request #2 for the Former Fox Auto Salvage (a/k/a Standard Oil) Property Located at 2423 Racine Street in the Village of Mount Pleasant, Wisconsin; ReadyEarth Project No. 13-0603; BRRTS No. 03-52-554541; PECFA No. 53403-3348-23

Dear Mr. Delcore,

energer.

ReadyEarth Consulting, Inc. ("ReadyEarth") submits this letter for the abovereferenced site (the "site") to present a brief summary of the data collected to date and request approval of a change order to submit a closure request. We request that you review this change order and provide your written approval.

Site Investigation Summary

ReadyEarth documented the Site Investigation (SI) activities in our report dated December 23, 2016. The SI included advancing twelve probeholes, installing six NR 141 monitoring wells, and installing one sub-slab vapor sampling port. The attached Figure B.2.b illustrates the site features and sampling locations.

The SI generally defined the impacts to a practicable extent with the exception of to the north (off-site). The groundwater impacts at MW-3, located very close to the north property line, suggested that additional sampling was warranted to the north to define the impacts and determine whether the north-adjoining property required listing on the GIS.

ReadyEarth prepared a change order and the Wisconsin Department of Natural Resources (DNR) approved the additional activities in their letter dated January 12, 2016. Much of the additional data was documented in our SI report. The remainder of this section chronologically summarizes the additional activities conducted subsequent to the SI report.

Additional Vapor Sampling Results

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On December 23, 2016, ReadyEarth collected a second sub-slab vapor sample from beneath the building on site. ReadyEarth collected the vapor sample utilizing the same procedures described in our SI report. The attached Table A.4 summarizes the vapor sampling results collected to date.

The vapor sampling results indicated that all compounds are below detection limits or well below the vapor risk screening levels (VRSLs) for small commercial properties. The vapor pathway is not a risk factor for the site and no further mitigation is warranted.

Off-Site Investigation

On October 19, 2017, ReadyEarth documented the procedures that Baake Field Services ("Baake") utilized to advance six probeholes to 10 feet below ground surface (bgs) each. It should be noted that the DNR approval included five probeholes to 12 feet each; however, Baake's soil probe rig was equipped with 5-foot macro-core samplers as opposed to the 4-foot samplers that ReadyEarth envisioned when requesting approval. Because ReadyEarth did not detect any impacts in the field during the initial probes, a sixth probehole was advanced immediately adjacent to the property border in the vicinity of MW-3 to specifically evaluate potential GIS listing. Seeing as the total footage was identical, ReadyEarth deemed the extra probe as an appropriate additional data point.

ReadyEarth collected soil samples from each probehole at continuous 2-foot intervals for visual classification, field screening, and potential laboratory analyses. ReadyEarth submitted one unsaturated soil sample from each probehole for laboratory analyses. ReadyEarth also documented the installation of a temporary well within each probehole.

The attached Table A.2 summarizes the soil analytical results of the off-site probeholes and other results obtained to date. The off-site investigation confirmed that the soil impacts do not extend to the north-adjoining property. All of the soil analytical results were below detection limits with the exception of P-17, which exhibited select compounds at concentrations well below their respective residual contaminant levels (RCLs) for both the groundwater and direct contact pathways. Probehole P-17 is centrally located on the north-adjoining property, and based on all of the results collected to date, the impacts do not appear to be related to the site.

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Additional Groundwater Sampling

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On October 20, 2017, ReadyEarth collected the final round of approved groundwater sampling at the site. The sampling included the six on-site NR 141 wells as well as the six off-site temporary wells. ReadyEarth abandoned each of the temporary wells immediately after sampling. Prior to sampling, ReadyEarth measured the depth to water in each well and temporary well to determine groundwater elevations (note that ReadyEarth did not survey the temporary wells). The attached Tables A.1 and A.6 summarize the groundwater data collected to date, and the attached Figure B.3.c illustrates the groundwater elevation contours for the October 2017 event.

The groundwater results continue to exhibit concentrations above enforcement standards (ESs) at MW-1, MW-3, and MW-5. Only benzene remains above its ES at MW-3 and MW-5. Benzene was also detected at MW-4 during the October 2017 event, which is anomalous in that virtually all compounds were below detection limits during all previous events. Benzene, ethylbenzene, naphthalene, combined trimethylbenzenes, and xylenes remain above the ES at MW-1. With the exception of MW-4, which exhibited an anomalous concentration during the last sampling event, the detected concentrations are overall exhibiting decreasing concentration trends

Overall Data Evaluation and Conclusions

The additional sampling has confirmed that the soil and groundwater impacts do not extend to the north-adjoining property and the on-site vapor concentrations are below detection limits or well below VRSLs.

The overall soil data indicate that benzene and ethylbenzene were detected above their RCLs for the direct contact pathway in shallow soils (top 4 feet bgs) at P-1 (former dispenser island). That is the only location where soil concentrations were detected above direct contact RCLs. Other soil concentrations were detected above the RCLs for the groundwater pathway. Those soil impacts will remain at the site at the time of closure. A concrete/asphalt barrier currently exists over the soil impacts, and a maintenance plan will be required for closure. Closure will also require listing on the GIS for the residual soil impacts.

Groundwater impacts may extend beneath the adjacent public right-of-way of Racine Street (Hwy 32). The Wisconsin Department of Transportation (DOT) is the party that notified the DNR of impacts within that right-of-way during Hwy 32 reconstruction.

Based on the results from MW-5, groundwater impacts may also extend upgradient beneath the adjacent 25th Street right-of-way to the south. Based on the relatively low or non-detected concentrations at MW-4 and MW-5, and seeing as those wells are sidegradient and upgradient, respectively, from the source area, impacts likely do not extend beyond those right-of-ways. Closure will require notifications to the appropriate government entities responsible for maintaining those right-of-ways.

The groundwater impacts are defined downgradient to the north and to the east. The groundwater concentrations are also exhibiting decreasing or stable trends. Benzene remains above the enforcement standard (ES) at MW-1, MW-3, and MW-5; however, benzene has consistently decreased over the past five events at each of those wells. Ethylbenzene, naphthalene, trimethylbenzenes, and xylenes remain above the ES only at MW-1: ethylbenzene and xylenes have decreased over the past events; naphthalene and trimethylbenzenes are decreasing or at worst stable over the past five events. Closure will require listing the site on the GIS for the groundwater impacts above ESs.

Proposed Additional Scope

ReadyEarth proposes to prepare a closure request and GIS packet for the site. Based on the recent results, it appears soil and groundwater impacts are not present on the north-adjoining property and a GIS listing is not warranted for that property. The attached spreadsheet presents the anticipated costs for which we are requesting your written approval. This change order does not include costs that do not apply to project caps, such as regulatory correspondence, standardized invoices, and PECFA claim preparation. ReadyEarth is an agent for the claimant of the site and the deductible has been satisfied via lien.

If you have any questions or comments, please contact me at (262) 522-3520.

Sincerely,

ReadyEarth Consulting, Inc.

Jason E. Bartley, P.G. President

cc: Mr. Chuck Ricksecker (via email)

13-0603n





A.1 Groundwater Analytical Table (Pg 1 of 2) Fmr. Fox Auto Salvage (a/k/a Fmr. Standard Oil) 2423 Racine Street, Mt. Pleasant

		×			PVOCs				
Sample Location	Sampling Date	Benzene (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	1,2,4- TMB (ppb)	1,3,5- TMB (ppb)	Total Xylenes (ppb)
MW-1	1/15/15	4,480	3,390	<7.0	227	282	1,110	263	7,091
	5/6/15	4,330	3,440	<24.2	262	264	1,470	423	7,110
	6/28/16	3,660	2,700	13.4 J	227	226	994	266	4,399
	10/4/16	3,280	2,520	<19.4	240	197	1,030	221	3,740
	10/20/17	2,410	2,020	<4.3	202	156	800	196	3,138
N/11A/ 0	4/45/45	<0.50	<0.50	<0.17	<2.5	<0.50	<0.50	<0.50	<1 E
	1/10/10	<0.50	<0.30	<0.17	<2.0 0.52 J	<0.30	<0.50	<0.50	<1.0
·	5/6/15	<0.40	< 0.39	<0.48	0.53 J	< 0.39	<0.42	<0.42	<1.2
	6/28/16	<0.40	< 0.39	<0.48	<0.42	< 0.39	<0.42	<0.42	<1.25
	10/4/16	<0.40	< 0.39	<0.48	<0.42	< 0.39	<0.42	<0.42	<1.2
	10/20/17	<0.27	<0.56	< 0.43	<1.7	< 0.33	< 0.56	<0.58	<1./1
MW-3	1/15/15	371	3.9	<0.44	<6.2	30.7	1.7 J	1.8 J	49.0
1999 (1997) (1997) (1997) (1997) (1997)	5/6/15	280	3.8 J	<1.9	<1.7	22.3	<1.7	<1.7	26.4
	6/28/16	136	3.4	2.2	<0.42	20.7	0.77 J	0.75 J	19.4
	10/4/16	203	2.9	1.5 J	<1.1	19.3	<1.0	<1.0	18.3
	10/20/17	69	1.86	<0.43	<1.7	13	0.86 J	0.64 J	16.43 J
MW-4	1/15/15	<0.50	<0.50	<0.17	<2.5	<0.50	0.59 J	<0.50	<1.5
	5/6/15	<0.40	< 0.39	<0.48	<0.42	< 0.39	<0.42	<0.42	<1.2
	6/28/16	<0.40	< 0.39	<0.48	<0.42	< 0.39	<0.42	<0.42	<1.25
	10/4/16	<0.40	< 0.39	<0.48	<0.42	< 0.39	<0.42	<0.42	<1.2
	10/20/17	10.2	<0.56	<0.43	<1.7	0.40 J 🧃	<0.56	<0.58	<1.71
	1/15/15	447	160	<0.25	102	10.0	2.5	27.1	02.1
10100-5	5/6/15	24.1	155	301	02.0	10.9	2.5	27.1	03.1 99.2
	5/0/15	34.3	100	3.0 J	92.0	0.0	4.1J	37.5	00.2
	0/20/10	29.0	90.5	2.4	57.1	0.2	2.0	20.3	41.7
	10/4/10	20.3	95.0	3.9	J7.1	0.2	2.0	17.0	
	10/20/17	20.7	53	<2.30	13.5 J	9.0	10.2	11.7	27.1J
MW-6	1/15/15	<0.50	<0.50	<0.17	<2.5	<0.50	<0.50	<0.50	<1.5
	5/6/15	<0.40	< 0.39	<0.48	<0.42	< 0.39	<0.42	<0.42	<1.25
	6/28/16	<0.40	< 0.39	<0.48	< 0.42	< 0.39	<0.42	<0.42	<1.25
	10/4/16	<0.40	< 0.39	<0.48	<0.42	< 0.39	<0.42	< 0.42	<1.2
	10/20/17	<0.27	<0.56	<0.43	<1.7	<0.33	<0.56	<0.58	<1.71
DAL (nnh)		0.5	140	10	10	160		6	400
FS(nnb)		5	740	60	100	800	4	80	2 000
			100		100	000			2,000

Notes:

1. NS = No standard has been established through ch NR 140 Wis. Adm. Code.

2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).

3. Concentrations in red bold exceed their respective enforcement standards (ESs).

A.1 Groundwater Analytical Table (Pg 2 of 2) Fmr. Fox Auto Salvage (a/k/a Fmr. Standard Oil) 2423 Racine Street, Mt. Pleasant

					PVOCs				
Sample Location	Sampling Date	Benzene (ppb)	Ethylbenzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	1,2,4- TMB (ppb)	1,3,5- TMB (ppb)	Total Xylenes (ppb)
TW-1	10/20/17	<0.27	<0.56	<0.43	<1.7	<0.33	<0.56	<0.58	<1.71
TW-2	10/20/17	<0.27	<0.56	<0.43	<1.7	<0.33	<0.56	<0.58	<1.71
TW-3	10/20/17	<0.27	<0.56	<0.43	<1.7	<0.33	<0.56	<0.58	<1.71
TW-4	10/20/17	<0.27	<0.56	<0.43	<1.7	<0.33	<0.56	<0.58	<1.71
TW-5	10/20/17	<0.27	<0.56	<0.43	<1.7	< 0.33	<0.56	<0.58	<1.71
TW-6	10/20/17	0.69 J	<0.56	<0.43	<1.7	0.47 J	<0.56	<0.58	<1.71
PAL (ppb) ES (ppb)		0.5 5	140 700	12 60	10 100	160 800	9 41	6 30	400 2,000

Notes:

1. NS = No standard has been established through ch NR 140 Wis. Adm. Code.

2. Concentrations in *blue italics* exceed their respective preventive action limits (PALs).

3. Concentrations in red bold exceed their respective enforcement standards (ESs).

A.2 Soil Analytical Results Table (Page 1 of 2) Fmr. Fox Auto Salvage (a/k/a Fmr. Standard Oil) 2423 Racine Street, Mt. Pleasant

Test Description		P-1		P.	-2	P	-3	P	-4	P	-5	RCL GW path.	RCL D.C. path.
Sample Date	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14		
Sample Depth	2-4	4-6	14-16	2-4	4-6	2-4	4-6	2-4	4-6	2-4	4-6	1	
saturated/unsaturated	unsat.	smear	sat.	unsat.	smear	unsat.	smear	unsat.	smear	unsat.	smear		
Petroleum Volatile Organic Compounds (PVOC	s) (µg/kg)												
benzene	4,150	4,880	<25.0	394	899	49.2	35.9 J	<25.0	<25.0	<125	<200	5.1	1,490
ethylbenzene	33,500	50,600	<25.0	2,130	11,600	135	<25.0	<25.0	<25.0	406	6,840	1,570	7,470
methyl tert-butyl ether	1,120	<500	<25.0	45.5 J	<100	<25.0	<25.0	<25.0	<25.0	<125	<200	27	59,400
naphthalene	4,650	8,990	<25.0	257	4,800	36.6 J	<40.0	<25.0	<40.0	4,350	7,640	659	5,150
toluene	1,110	1,160 J	<25.0	192	229 J	<25.0	<25.0	<25.0	<25.0	<125	<200	1,107	818,000
1,2,4-trimethylbenzene	14,800	62,600	<25.0	249	820	89.0	<25.0	<25.0	180	775	1,910	1 270	89,800
1,3,5-trimethylbenzene	3,970	20,600	<25.0	279	648	76.2	<25.0	<25.0	<25.0	168 J	3,540	1,379	182,000
total xylenes	29,200	103,290	<75.0	1,222	2,050	293.4	<75.0	<75.0	<75.0	325 J	11,600	3,940	258,000
Volatile Organic Compounds (VOCs) (µg/kg)													
isopropylbenzene	-	5,210	-	-	2,280	-	126	-	<25.0	3,010	-	. 	268,000
n-butylbenzene	-	5,910	-	-	2,870	-	249	-	<25.0	3,750	-	-	108,000
n-propylbenzene	-	12,300	-	-	4,220	-	271	-	<25.0	5,670	-	H 2	264,000
p-isopropyltoluene	-	1,760	-	-	1,610	1	<25.0	-	<25.0	1,910	, i	-	162,000
sec-butylbenzene	-	1,310 J	×	1	738		80.2	-	<25.0	1,370	-	-	145,000
Total Lead (mg/kg)	30.8	-	-		10.4	-	8.2	24.7	-	15.9	-	27	400

Test Description	P.	-6	P-7	P.	-8	P-9	P-10	P-11	P-12	RCL GW path.	RCL D.C. path.
Sample Date	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14	10/14/14		
Sample Depth	2-4	4-6	4-6	2-4	4-6	4-6	4-6	4-6	6-8		
saturated/unsaturated	unsat.	smear	unsat.	unsat.	smear	smear	smear	smear	sat.		
Petroleum Volatile Organic Compounds (PVOC	s) (µg/kg)										
benzene	256	<312	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	5.1	1,490
ethylbenzene	2,150	23,500	<25.0	<25.0	58.6 J	<25.0	<25.0	<25.0	<25.0	1,570	7,470
methyl tert-butyl ether	81.5 J	<312	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	27	59,400
naphthalene	1,050	10,500	<25.0	<25.0	<25.0	<25.0	<40.0	34.3 J	399	659	5,150
toluene	334	<312	<25.0	<25.0	<25.0	117	<25.0	<25.0	<25.0	1,107	818,000
1,2,4-trimethylbenzene	1,940	52,600	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	438	1 270	89,800
1,3,5-trimethylbenzene	932	18,400	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	313	1,379	182,000
total xylenes	2,782	31,048	<75.0	<75.0	79.8 J	<75.0	<75.0	<75.0	264	3,940	258,000
Volatile Organic Compounds (VOCs) (µg/kg)											
isopropylbenzene	-	4,220	-	-	-	-	<25.0	-	164		268,000
n-butylbenzene	-	<312	-	-	-	-	<25.0	-	545	-	108,000
n-propylbenzene	-	9,760	-	-	-	-	<25.0	-	262		264,000
p-isopropyltoluene	5 - 5	3,230	-	-		-	<25.0	-	93.6	-	162,000
sec-butylbenzene	(H)	1,730	H		-	-	<25.0	-	150	-	145,000
Total Lead (mg/kg)	-	18.4	-	-	49.2	-	13	-	8.5	27	400

Notes:

1. Only detected compounds are shown.

2. Concentrations in red bold exceed their respective RCL for the non-industrial direct contact pathway (only within the top 4 feet bgs).

3. Concentrations in *blue italics* exceed their respective RCL for the groundwater pathway.

4. RCLs were obtained from the DNR R&R Program RCL Spreadsheet available online.

A.2 Soil Analytical Results Table (Page 2 of 2) Fmr. Fox Auto Salvage (a/k/a Fmr. Standard Oil) 2423 Racine Street, Mt. Pleasant

Test Description	P-13	P-14	P-15	P-16	P-17	P-18	RCL GW path.	RCL D.C. path.
Sample Date	10/19/17	10/19/17	10/19/17	10/19/17	10/19/17	10/19/17		
Sample Depth	4-6'	4-6	4-6'	4-6'	4-6'	4-6'		
saturated/unsaturated	unsat.	unsat.	unsat.	unsat.	unsat.	unsat.		
Petroleum Volatile Organic Compounds (PVOC	s) (µg/kg)							
benzene	<25	<25	<25	<25	<25	<25	5.1	1,490
ethylbenzene	<25	<25	<25	<25	96	<25	1,570	7,470
methyl tert-butyl ether	<25	<25	<25	<25	<25	<25	27	59,400
naphthalene	<25	<25	<25	<25	128	<25	659	5,150
toluene	<25	<25	<25	<25	580	<25	1,107	818,000
1,2,4-trimethylbenzene	<25	<25	<25	<25	264	<25	1 270	89,800
1,3,5-trimethylbenzene	<25	<25	<25	<25	119	<25	1,379	182,000
total xylenes	<75	<75	<75	<75	385	<75	3,940	258,000

Notes:

1. Only detected compounds are shown.

2. Concentrations in red bold exceed their respective RCL for the non-industrial direct contact pathway (only within the top 4 feet bgs).

3. Concentrations in *blue italics* exceed their respective RCL for the groundwater pathway.

4. RCLs were obtained from the DNR R&R Program RCL Spreadsheet available online.

A.4 Vapor Analytical Table Fmr. Fox Auto Salvage (a/k/a Fmr. Standard Oil)

2423	Racine	Street,	Mt.	Pleasant	
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	VF	small commercial VRSL			
	sub-sla central portion	sub-slab vapor central portion of service bay			
Sample Date	6/28/16	12/23/16			
start time	1235	1045			
end time	1305	1130			
Shut-In Test	pass	pass			
Helium Shroud Test	pass	pass			
Volatile Organic Compounds (ppbv)					
benzene	3.1	0.77	163		
ethylbenzene	3.8	<0.13	366		
naphthalene	3.3	0.56 J	22		
toluene	81.4	0.5	190,000		
1,2,4-trimethylbenzene	9.4	0.17 J	206		
1,3,5-trimethylbenzene	2.8	<0.05	NS		
total xylenes	21.4	<0.36	3,333		

Notes:

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- 1. Concentrations in red bold exceed their respective vapor risk screening levels (VRSLs).
- 2. The sub-slab samples were collected with 6-liter summa canisters and sampling apparatus to allow for shut-in and helium shroud tests. flow controllers maintained max. sample rates of 200ml/min and all samples were allowed to run for at least 40 min.
- 3. Shut-in tests applyed a vacuum of ~100 in-water (~7 in-Hg) to the closed-system sample chain to check valve connections. The shut-in tests passed if no dissipation was noted over at least 1 minute.
- 4. Helium shroud tests introduced ~40% by volume of He to a shroud placed over the sample apparatus valve penetrating the floor to check seal. The helium shroud tests passed if no helium was detected within sample chain.
- 5. VRSLs were obtained from the DNR Quick Look-Up Table based on the EPA regional screening tables for indoor vapor action levels (VALs)
- http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/index.htm.
- 6. The VRSLs were determined from the VALs using an attenuation factor of 0.03.
- 7. All samples were analyzed by Pace Analytical using the TO-15 method.

A.6 Water Level Elevations

Fmr. Fox Auto Salvage (a/k/a Fmr. Standard Oil) 2423 Racine Street, Mt. Pleasant

Well Number	Date	¹ Total Well Depth	Ground Surface Elevation	¹ Top of Casing Elevation	² Depth to Water Below Ground	¹ Depth to Water Below Casing	Groundwater Elevation
MW-1	1/15/15	14.67	100.48	100.14	5.81	5.47	94.67
	5/6/15				4.16	3.82	96.32
	6/28/16				5.16	4.82	95.32
	10/4/16				4.89	4.55	95.59
	10/20/17				5.21	4.87	95.27
	T	· · · · · · · · · · · · · · · · · · ·					
MW-2	1/15/15	14.67	100.21	99.85	6.05	5.69	94.16
	5/6/15				4.60	4.24	95.61
	6/28/16				5.14	4.78	95.07
	10/4/16				5.35	4.99	94.86
	10/20/17				5.44	5.08	94.77
MW-3	1/15/15	14 64	100 16	99.65	6 72	6 21	93.44
	5/6/15				5 45	4.94	94.71
	6/28/16				5.97	5 46	94.19
	10/4/16				5.90	5 39	94.26
	10/20/17				6.76	6.25	93.40
MW-4	1/15/15	14.42	100.64	100.16	5.91	5.43	94.73
	5/6/15				4.15	3.67	96.49
	6/28/16				5.36	4.88	95.28
	10/4/16				5.12	4.64	95.52
	10/20/17				5.64	5.16	95.00
NA\A/ 5	1/15/15	11.00	100.00	00.54	4 07	1 51	95.03
	5/6/15	11.55	100.00	99.04	3.58	3.12	95.03
	6/28/16				3.00	3.12	96.10
	10/4/16				3.90	<u> </u>	95.10
	10/4/10				3 10	9.72	95.50
	10/20/17			***************************************	5.18	2.15	30.01
MW-6	1/15/15	17.91	100.03	102.64	5.49	8.10	94.54
	5/6/15				3.86	6.47	96.17
	6/28/16				4.70	7.31	95.33
	10/4/16				4.61	7.22	95.42
	10/20/17				4.91	7.52	95.12

Notes:

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All measurements are presented in feet.
"¹" Measured from the north rim of the top of well casing.
"²" Calculated based on depth to water measurements and survey results.

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



PECFA #: BRRT's #: Site Name: Site Address:	53403-3348-23 03-52-554541 Fmr. Fox Auto (Standard Oil 2423 Racine Street Mt. Pleasant, WI 53403	Ve) Ir	endor Name: Invoice #: nvoice Date: Check #:	ReadyEarth Consulting, Inc Change Order #2			Variance t	U&C Total \$ o U&C Total \$ Grand Total \$	3,589.1 - 3,589.1
TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	М	AX 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	1 \$	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	1 \$	507.36
5	Closure Request		CR20	GIS Packet Submittal (For off-site Properties only)	Per Additional Property	\$	222.71	\$	-
6	Letter Report/Addendum		LRA05	Letter Report/Addendum	Letter	\$	1,039.29	\$	-

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	N	AAX UNIT COST	UNITS	ΤΟΤΑΙ ΜΑΧ	
7	Regulatory Correspondence		RC05	Regulatory Correspondence	Letter/Status Update	\$	128.94	\$;	-
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	\$	i	-
8	Well Abandonment	Consultant	WAB20	Bentonite Pellets (50lb bag - 1/4" pellet)	Bag	\$	10.82	\$	i	-
8	Well Abandonment	Consultant	WAB25	Portland Cement (94lb bag)	Bag	\$	8.19	\$	i	-
8	Well Abandonment	Consultant	WAB30	Primary Mob/Demob	Site	\$	362.25	\$		-
8	Well Abandonment	Commodity	WAB35	Well Abandonment Mob/Demob	Site	\$	412.55	\$	i	-
8	Well Abandonment	Commodity	WAB40	Well Abandonment (2 inch)	Ft	\$	5.57	\$		-
8	Well Abandonment	Commodity	WAB45	Well Abandonment (4 inch)	Ft	\$	6.51	\$	i	-
8	Well Abandonment	Commodity	WAB50	Well Abandonment (6 inch)	Ft	\$	7.98	\$	i	-
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	e	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	\$		-

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	M	AX UNIT COST	UNITS	TOTAL MAX
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	\$	-
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	\$	-

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	N	IAX UNIT COST	UNITS	TOTAL MAX
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	\$	-
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	6	SBMWP05	Soil Boring/Monitoring Well Permit	Permit	\$	246.12	\$	-
20	Soil Boring/Monitoring Well Permits	5	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	\$	-

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL 🔶 🖗 MAX 👷
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		C	\$ -
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

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Variance

Variance