METCO
Excellence through experience™
709 Gillette St., Ste #3♦ La Crosse, WI 54603 ♦ 1-800-552-2932 ♦ Fax (608) 781-8893 Email: rona@metcohq.com ♦www.metcohq.com

January 26, 2015

Beth Erdman
Wisconsin Department of Natural Resources
625 E. CTY Y, Suite 700
Oshkosh, WI 54901

Subject: Kopatz Property – Site Investigation cost cap exceedence request #2.
BRRTS #: 03-38-231379, PECFA #: 54114-7330-17

Dear Ms. Erdman,

On behalf of the Responsible Party, a cost estimate (using Usual & Customary schedule of charges) is being submitted for additional site investigation work at the subject property located at W8317 County Road P in Crivitz, Wisconsin. This is required due to COMM 47 rule changes (Comm 47.337(2)) which requires state approval to exceed the cap, meaning any costs incurred above $20,000 after April 30, 2006, will not be eligible for reimbursement unless previously approved.

As of today's date, $27,971.75 has been spent of the $33,761.25 Site Investigation Cap, which included:

1) Workplan
2) Potable Well Field Reconnaissance
3) Geoprobe Project (14 borings ranging from 8 to 16 feet bgs with 42 soil samples and 14 groundwater samples collected) with field and/or laboratory analysis (GRO, VOC, PVOC's, Naphthalene, and Lead).
4) Drilling Project (6 borings ranging from 12 to 20 feet bgs) with field and/or laboratory analysis (PVOC, Naphthalene, Lead, and TCLP Lead & Benzene). The six borings were then converted to monitoring wells ranging from 12-14 feet bgs and properly developed.
5) Initial Site Survey
6) Hydraulic Conductivity Testing
7) Round 1 Groundwater Monitoring which included sampling all six monitoring wells and three private potable wells for laboratory analysis (VOC (8260) or VOC (524.2), Dissolved Lead, Nitrate/Nitrite, Sulfate, Dissolved Iron and Manganese).
8) Round 2 Groundwater Monitoring which included sampling all six monitoring wells and two private potable wells for laboratory analysis (VOC (524.2), PVOC, and Naphthalene.
9) Investigative Waste Disposal

The cost estimate to complete the site investigation includes: a Drilling Project to define the contaminant plume extent in groundwater which will consist of two additional monitoring wells (to approximately 13 feet bgs) located down-gradient of monitoring well MW-3, two additional rounds of groundwater monitoring from all site wells (8 total) for laboratory analysis (VOC/PVOC, Naphthalene,

Dissolved Lead), sample the on-site private well for laboratory analysis (VOC's), surveying, waste disposal, and vapor survey of on-site basement. The cost estimate for the above work scope is as follows:

Access Agreement		$ 382.80
Drilling Project (w/installation of two MW's)		$3,377.80
Vapor Survey		$ 202.30
Groundwater Monitoring (two events)		$2,801.60
Laboratory Analysis		$ 986.20
Surveying		$ 209.80
Waste Disposal		$ 650.70
Change Order Request		$ 363.60
	Total	$8,974.80

METCO is requesting a cost cap exceedence in the amount of **$8,974.80**. This will bring the total investigation cost cap to $42,736.05.

Upon state approval of the proposed workscope and budget, METCO will proceed with the site investigation. Please note that costs for the Site Investigation Report were approved as part of the previous cost cap exceedence request.

Attached is a updated site layout map with proposed monitoring well locations, data tables, and draft standardized invoice form for the above workscope as required.

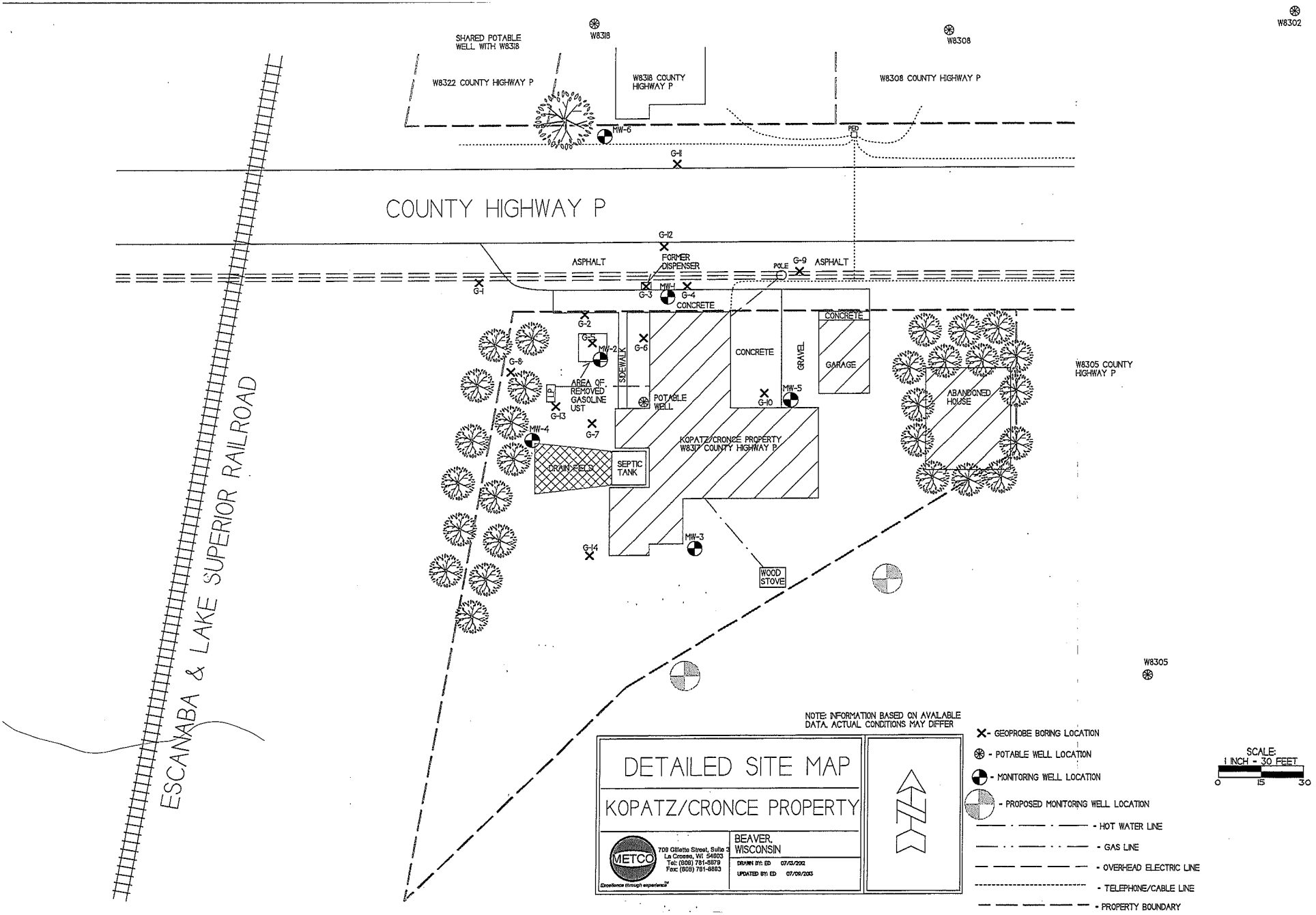
Should you have any questions, comments, or recommendations please contact me at our La Crosse office (608) 781-8879 or email at jasonp@metcohq.com.

Sincerely,

Jason T. Powell
Staff Scientist

Attachments

c: Dennis Kopatz c/o Craig Kopatz - Client


W8302
SHARED POTABLE WELL WITH W8318
W8318
W8308
W8322 COUNTY HIGHWAY P
W8318 COUNTY HIGHWAY P
W8308 COUNTY HIGHWAY P
MW-6
PED
G-11
COUNTY HIGHWAY P
G-12
ASPHALT
FORMER DISPENSER
POLE
G-9
ASPHALT
G-1
G-3
MW-1
G-4
CONCRETE
G-2
G-5
MW-2
G-6
SIDEWALK
CONCRETE
GRAVEL
CONCRETE
GARAGE
W8305 COUNTY HIGHWAY P
G-8
AREA OF REMOVED GASOLINE UST
LP
G-13
POTABLE WELL
G-10
MW-5
ABANDONED HOUSE
MW-4
G-7
KOPATZ/CRONCE PROPERTY W8317 COUNTY HIGHWAY P
DRAIN FIELD
SEPTIC TANK
MW-3
G-14
WOOD STOVE
W8305
ESCANABA & LAKE SUPERIOR RAILROAD
NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
DETAILED SITE MAP
KOPATZ/CRONCE PROPERTY
METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-9879
Fax: (608) 781-8883
Excellence through experience
BEAVER, WISCONSIN
DRAWN BY: ED 07/13/2002
UPDATED BY: ED 07/09/2003
X- GEOPROBE BORING LOCATION
- POTABLE WELL LOCATION
- MONITORING WELL LOCATION
- PROPOSED MONITORING WELL LOCATION
- HOT WATER LINE
- GAS LINE
- OVERHEAD ELECTRIC LINE
- TELEPHONE/CABLE LINE
- PROPERTY BOUNDARY
SCALE:
1 INCH = 30 FEET
0
15
30

A.2. Pre-remedial Soil Analytical Table
Kopatz/Cronce Property BRRTS# 03-38-231379

Sample ID	Depth (feet)	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	PVOC		
																Individual Exeedance Count	Hazard Index	Cumulative Cancer Risk
G-1-1	3.5	04/09/13	0	1.37	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	3.43E-03	
G-1-2	8.0	04/09/13	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-1-3	12.0	04/09/13	0	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-2-1	3.5	04/09/13	0	**224.0**	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	5.60E-01	
G-2-2	8.0	04/09/13	300	NS	NS	2440	**2.08**	**24.3**	<0.250	**8.9**	**8.5**	**98**	**40**	**135.7**	NS			
G-2-3	12.0	04/09/13	20	NS	NS	<10	<0.025	0.0264	<0.025	<0.025	0.0292	0.063	0.0301	0.1381	NS			
G-3-1	3.5	04/09/13	0	38.4	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	9.60E-02	
G-3-2	8.0	04/09/13	200	NS	NS	3200	**1.32**	**15.4**	<0.250	**15.7**	**18.6**	**199**	**87**	**287**	NS			
G-4-1	3.5	04/09/13	0	2.54	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	6.35E-03	
G-4-2	8.0	04/09/13	350	6	NS	2490	**1.17**	**41**	<1.500	**24.8**	**57**	**111**	**32**	**260**	SEE VOC SPREADSHEET			
G-4-3	9.0	04/09/13	280	NOT SAMPLED											NS			
G-4-4	16.0	04/09/13	200	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-5-1	3.5	04/09/13	0	**180.0**	NS	<10	<0.025	<0.025	<0.025	0.037	0.093	0.101	0.052	0.240	NS	0	4.52E-01	7.2E-09
G-5-2	8.0	04/09/13	180	NS	NS	129	<0.250	0.259	<0.250	1.01	<0.250	**2.81**	**2.49**	3.34	NS			
G-5-3	12.0	04/09/13	330	NS	NS	2150	**1.37**	**29.3**	<0.250	**12.4**	**20**	**68**	**27.8**	**159.1**	NS			
G-6-1	3.5	04/09/13	0	**104.0**	NS	<10	**0.064**	0.038	<0.025	0.111	0.184	0.057	0.037	0.245	NS	0	2.62E-01	7.0E-08
G-6-2	8.0	04/09/13	260	NS	NS	350	**0.291**	1.78	<0.250	**2.96**	0.271	**16.7**	**8.6**	**14.98**	NS			
G-6-3	12.0	04/09/13	320	NS	NS	1480	**2.54**	**28.1**	<0.250	**18.4**	**68**	**54**	**22.1**	**147**	NS			
G-7-1	3.5	04/09/13	0	NOT SAMPLED											NS			
G-7-2	8.0	04/09/13	0	NOT SAMPLED											NS			
G-7-3	12.0	04/09/13	0	NOT SAMPLED											NS			
G-8-1	3.5	04/09/13	0	NOT SAMPLED											NS			
G-8-2	8.0	04/09/13	0	NOT SAMPLED											NS			
G-8-3	12.0	04/09/13	40	NOT SAMPLED											NS			
G-9-1	3.5	04/09/13	0	NOT SAMPLED											NS			
G-9-2	8.0	04/09/13	0	NOT SAMPLED											NS			
G-9-3	12.0	04/09/13	0	NOT SAMPLED											NS			
G-10-1	3.5	04/09/13	0	NOT SAMPLED											NS			
G-10-2	8.0	04/09/13	100	NOT SAMPLED											NS			
G-10-3	12.0	04/09/13	10	NOT SAMPLED											NS			
G-11-1	3.5	04/09/13	0	NOT SAMPLED											NS			
G-11-2	8.0	04/09/13	0	NOT SAMPLED											NS			
G-11-3	12.0	04/09/13	0	NOT SAMPLED											NS			
G-12-1	3.5	04/09/13	0	5	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS	0	1.25E-02	
G-12-2	8.0	04/09/13	20	NS	NS	<10	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-12-3	12.0	04/09/13	200	NS	NS	970	**0.950**	0.820	<0.250	**2.47**	**2.49**	**5.2**	**11.7**	**9.58**	NS			
G-13-1	3.5	04/09/13	0	NOT SAMPLED											NS			
G-13-2	8.0	04/09/13	0	NOT SAMPLED											NS			
G-13-3	12.0	04/09/13	0	NOT SAMPLED											NS			
G-14-1	3.5	04/09/13	0	NOT SAMPLED											NS			
G-14-2	8.0	04/09/13	0	NOT SAMPLED											NS			
G-14-3	12.0	04/09/13	0	NOT SAMPLED											NS			

A.2. Pre-remedial Soil Analytical Table
Kopatz/Cronce Property BRRTS# 03-38-231379

Sample ID	Depth (feet)	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naph-thalene (ppm)	Toluene (ppm)	1,2,4-Trime-thylbenzene (ppm)	1,3,5-Trime-thylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppm)	PVOC Individual Exeedance Count	PVOC Hazard Index	PVOC Cumulative Cancer Risk
MW-4-1	3.5	04/16/14	0	NOT SAMPLED											NS			
MW-4-2	4.5	04/16/14	0	**40.9**	NS	NS	<0.025	<0.025	<0.025	0.280	<0.025	0.078	0.119	0.047-0.097	NS			
MW-4-3	12.0	04/16/14	0	NOT SAMPLED											NS			
MW-5-1	3.5	04/16/14	0	NOT SAMPLED											NS			
MW-5-2	8.0	04/16/14	0	3.2	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.75	NS			
MW-5-3	12.0	04/16/14	0	NOT SAMPLED											NS			
MW-5-4	14.0	04/16/14	0	NOT SAMPLED											NS			
MW-6-1	3.5	04/16/14	0	NOT SAMPLED											NS			
MW-6-2	7.0	04/16/14	0	4.4	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.75	NS			
MW-6-3	12.0	04/16/14	0	NOT SAMPLED											NS			
MW-1-1	3.5	04/17/14	0	NOT SAMPLED											NS			
MW-1-2	8.0	04/17/14	750	NOT SAMPLED											TCLP LEAD <0.45 TCLP BENZENE <0.05			
MW-1-3	12.0	04/17/14	75	NOT SAMPLED											NS			
MW-1-4	16.0	04/17/14	35	NS	NS	NS	**0.230**	0.440	<0.025	0.490	0.510	**1.03**	**0.730**	1.88	NS			
MW-1-5	20.0	04/17/14	220	NS	NS	NS	**1.41**	**2.47**	<0.025	**2.56**	**4.9**	**6.5**	**2.88**	**13.5**	NS			
MW-2-1	3.5	04/17/14	0	NOT SAMPLED											NS			
MW-2-2	8.0	04/17/14	1075	NOT SAMPLED											NS			
MW-2-3	12.0	04/17/14	40	NOT SAMPLED											NS			
MW-2-4	16.0	04/17/14	10	NS	NS	NS	<0.025	0.063	<0.025	0.095	0.189	0.124	0.059	0.29	NS			
MW-2-5	20.0	04/17/14	0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	0.081	0.044	<0.025	0.1011	NS			
MW-3-1	3.5	04/17/14	0	NOT SAMPLED											NS			
MW-3-2	8.0	04/17/14	0	NOT SAMPLED											NS			
MW-3-3	10.0	04/17/14	60	2.3	NS	NS	<0.025	0.029	<0.025	0.138	<0.025	0.036	0.083	0.61-0.91	NS			
MW-3-4	169.0	04/17/14	0	NOT SAMPLED											NS			
Groundwater RCL				**27**	-	-	**0.00512**	**1.57**	**0.027**	**0.659**	**1.11**	**1.38**		**3.94**	-			
Non-Industrial Direct Contact RCL				**400**	-	-	**1.49**	**7.47**	**59.4**	**5.15**	**818**	**89.8**	**182**	**258**	-		**1.00E+00**	**1.00E-05**
Soil Saturation Concentration (C-sat)*				-	-	-	**1820***	**480***	**8870***	-	**818***	**219***	**182***	**258***	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
Bold & Asteric * = C-sat Exceedance
NS = Not Sampled NM = Not Measured
(ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics
PID = Photoionization Detector
PVOC's = Petroleum Volatile Organic Compounds

A.1 Groundwater Analytical Table
(Geoprobe)
Kopatz Property BRRTS# 03-38-231379

Sample ID	Date	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)	Other VOC's (ppb)
G-1-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-2-W	04/09/13	NS	NS	NS	**8.5**	**710**	<7.4	**242**	**1190**	**1500**	**4360**	NS
G-3-W	04/09/13	NS	NS	NS	**16.6**	134	<3.7	**135**	*460*	**1370**	**2020**	NS
G-4-W	04/09/13	NS	NS	NS	**4000**	**1080**	<37	**550**	**11700**	**1007**	**4600**	NS
G-5-W	04/09/13	NS	NS	NS	<13.5	**1010**	<18.5	**229**	**1470**	**1680**	**6010**	NS
G-6-W	04/09/13	NS	NS	NS	**135**	**1100**	<37	**330**	**7100**	**772**	**6120**	NS
G-7-W	04/09/13	NS	NS	NS	*3.2*	3.4	<0.37	8.3	6.9	4.46	10.44	NS
G-8-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	0.93	<1.69	2.01-2.92	NS
G-9-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-10-W	04/09/13	NS	NS	NS	*1.14*	5.1	<0.37	1.86	16.8	9.56	24.1	NS
G-11-W	04/09/13	NS	NS	NS	0.33	0.91	<0.37	<1.2	3.9	<1.69	4.51	NS
G-12-W	04/09/13	NS	NS	NS	**10.7**	32	<3.7	*24.3*	36	93.7	90.1	NS
G-13-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41	NS
G-14-W	04/09/13	NS	NS	NS	<0.27	<0.82	<0.37	<1.2	1.01	<1.69	<2.41	NS
ENFORCE MENT STANDARD **ES = Bold**		15	-	-	5	700	60	100	800	480	2000	
PREVENTIVE ACTION LIMIT *PAL* = *Italics*		1.5	-	-	0.5	140	12	10	160	96	400	

NS = Not Sampled
(ppb) = parts per billion (ppm) = parts per million
DRO = Diesel Range Organics
GRO = Gasoline Range Organics

A.1 Groundwater Analytical Table
Kopatz Property BRRTS# 03-38-231379

Well MW-1
PVC Elevation = 669.54 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.68	4.86	*5.3*	**540**	*350*	<4.6	**274**	**2730**	**544**	**2480**
09/18/14	663.82	5.72	NS	**750**	*370*	<7.4	**143**	**2490**	*477*	**2310**
ENFORCE MENT STANDARD ES = Bold			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-2
PVC Elevation = 668.20 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.36	3.84	*1.5*	<12	*215*	<11.5	<85	**1060**	*362*	*1230*
09/18/14	664.43	3.77	NS	**98**	**2480**	<3.7	**680**	**5100**	**2710**	**6710**
ENFORCE MENT STANDARD ES = Bold			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-3
PVC Elevation = 666.72 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	663.15	3.57	<0.7	**31.4**	117	<0.23	*27*	26.8	*122*	164.1
09/18/14	663.24	3.48	NS	**18.9**	*214*	<0.37	*66*	33	*165*	152.5
ENFORCE MENT STANDARD ES = Bold			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Kopatz Property BRRTS# 03-38-231379

Well MW-4
PVC Elevation = 667.08 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.07	3.01	<0.7	<0.24	<0.55	<0.23	2.89	<0.69	<3.6	<1.32
09/18/14	664.45	2.63	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD ES = **Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-5
PVC Elevation = 670.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	664.11	6.34	*1.5*	0.40	<0.55	<0.23	2.55	<0.69	<3.6	<1.32
09/18/14	664.39	6.06	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD ES = **Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Well MW-6
PVC Elevation = 669.16 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	665.70	3.46	<0.7	<0.24	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
09/18/14	665.84	3.32	NS	<0.27	<0.82	<0.37	<1.2	<0.8	<1.69	<2.41
ENFORCE MENT STANDARD ES = **Bold**			**15**	**5**	**700**	**60**	**100**	**800**	**480**	**2000**
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
Kopatz Property BRRTS# 03-38-231379

W8302 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	1.0	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

W8305 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
09/18/14	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

W8308 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	0.9	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Potable W8317 PW (Source)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
04/09/13	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NM	NM	NS	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

W8318 PW

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naph-thalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
06/18/14	NM	NM	<0.7	<0.24	<0.27	<0.26	<0.49	<0.24	<0.57	<0.94
09/18/14	NOT SAMPLED									
ENFORCE MENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT *PAL = Italics*			*1.5*	*0.5*	*140*	*12*	*10*	*160*	*96*	*400*

(ppb) = parts per billion (ppm) = parts per million
ns = not sampled nm = not measured
Note: Elevations are presented in feet mean sea level (msl).

Usual and Customary Standardized Invoice #16
July 2014 - December 2014

RR-989A

PECFA #: 54114-7330-17
BRRT's #: 03-38-231379
Site Name: Kopatz/Cronce Property
Site Address: 8317 CTH P, Crivitz (Town of Beaver), WI

Vendor Name:
Invoice #:
Invoice Date:
Check #:

U&C Total	$8,974.80
Variance to U&C Total	$-
Grand Total	$8,974.80

TASK	TASK DESCRIPTION	SERVICES	ACTIVITY CODE	ACTIVITY REFERENCE CODE DESCRIPTION	UNIT	MAX UNIT COST	UNITS	TOTAL MAX
1	GW Sampling		GS05	Sample Collection	Well	$69.00	18	$1,242.00
1	GW Sampling		GS10	Incremental Sample Collection (natural attenuation)	Well	$45.40	8	$363.20
1	GW Sampling		GS25	Primary Mob/Demob	Site	$598.20	2	$1,196.40
4	Waste Disposal	Consultant	WD05	Consultant Coordination	Site	$130.60	1	$130.60
4	Waste Disposal	Commodity	WD10	GW Sample and/or Purge	Drum	$40.10	1	$40.10
4	Waste Disposal	Commodity	WD15	Drill Cuttings	Drum	$103.00	2	$206.00
4	Waste Disposal	Commodity	WD25	Primary Mob/Demob	Site	$274.00	1	$274.00
10	Initial Site Survey	Consultant	IS10	Subsequent Surveys	Well	$104.90	2	$209.80
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR05	0 - 25 ft bgs	Ft	$5.10	26	$132.60
13.a	Drilling In Unconsolidated Soils - With Soil Sampling	Consultant	DR20	Primary Mob/Demob	Site	$564.80	1	$564.80
13.d	Drilling In Unconsolidated Soils - With Soil Sampling	Commodity	DR45	0 - 25 ft bgs	Ft	$15.90	26	$413.40
14	Monitoring Well Installation	Consultant	MWI05	0 - 25 ft bgs	Ft	$3.70	26	$96.20
14	Monitoring Well Installation	Commodity	MWI15	2 inch PVC Casing	Ft	$15.90	26	$413.40
14	Monitoring Well Installation	Commodity	MWI20	Well Development	Well	$140.60	2	$281.20
15	Misc. Drilling Activities & Supplies		MDT05	Drill Rig Mob/Demob	Mob/Demob	$917.50	1	$917.50
15	Misc. Drilling Activities & Supplies		MDT10	Well Cover/flushmount	Each	$193.00	2	$386.00
15	Misc. Drilling Activities & Supplies		MDT21	Drum, 55 gal. DOT steel	Each	$52.50	3	$157.50
15	Misc. Drilling Activities & Supplies		MDT45	Padlocks	Each	$7.60	2	$15.20
18	Vapor Screening		VS05	Vapor Screening	Site	$202.30	1	$202.30
21	Access Agreements		AA05	Access Agreements	Property	$382.80	1	$382.80
33	Schedule Of Laboratory Maximums	Commodity		Laboratory (see task 33 total on Lab Schedule)	Lab Schedule	Lab Schedule	32	$986.20
36	Change Order Request		COR05	Change Order Request (cost cap exceedance requests)	Change Order	$363.60	1	$363.60
Variance								
Variance								

Usual and Customary Standardized Invoice #16
July 2014 - December 2014

RR-989A

TOTAL LAB CHARGES	$986.20	TASK 33	32	$986.20	TASK 24	0	$-

MATRIX	REF CODE	REIMBURSABLE ANALYTE	UNITS	MAX COST	SAMPLES	TOTAL
AIR	A1	Benzene	SAMPLE	$42.80		$-
AIR	A2	BETX	SAMPLE	$47.10		$-
AIR	A3	GRO	SAMPLE	$43.90		$-
AIR	A4	VOC's	SAMPLE	$68.50		$-
WATER	W1	GRO/PVOC	SAMPLE	$27.80		$-
WATER	W2	PVOC	SAMPLE	$25.70		$-
WATER	W3	PVOC + 1,2 DCA	SAMPLE	$41.70		$-
WATER	W4	PVOC + Naphthalene	SAMPLE	$28.90	15	$433.50
WATER	W5	VOC	SAMPLE	$68.50	5	$342.50
WATER	W6	PAH	SAMPLE	$69.50		$-
WATER	W7	Lead	SAMPLE	$11.80	8	$94.40
WATER	W8	Cadmium	SAMPLE	$12.90		$-
WATER	W9	Hardness	SAMPLE	$11.80		$-
WATER	W10	BOD, Total	SAMPLE	$22.50		$-
WATER	W11	Nitrate	SAMPLE	$10.70		$-
WATER	W12	Total Kjeldahl	SAMPLE	$19.30		$-
WATER	W13	Ammonia	SAMPLE	$16.10		$-
WATER	W14	Sulfate	SAMPLE	$9.70		$-
WATER	W15	Iron	SAMPLE	$9.70		$-
WATER	W16	Manganese	SAMPLE	$9.70		$-
WATER	W17	Alkalinity	SAMPLE	$9.70		$-
WATER	W18	methane	SAMPLE	$43.90		$-
WATER	W19	Phosphorous	SAMPLE	$17.20		$-
WATER	W20	VOC Method 524.2	SAMPLE	$167.90		$-
WATER	W21	EDB Method 504	SAMPLE	$90.90		$-
SOILS	S1	GRO	SAMPLE	$23.60	2	$47.20
SOILS	S2	DRO	SAMPLE	$28.90		$-
SOILS	S3	GRO/PVOC	SAMPLE	$26.80		$-
SOILS	S4	PVOC	SAMPLE	$24.60		$-
SOILS	S5	PVOC + 1,2 DCA + Naphthalene	SAMPLE	$47.10		$-
SOILS	S6	PVOC + Naphthalene	SAMPLE	$34.30	2	$68.60
SOILS	S7	VOC	SAMPLE	$68.50		$-
SOILS	S8	SPLP Extraction VOC only	SAMPLE	$48.20		$-
SOILS	S9	PAH	SAMPLE	$69.50		$-
SOILS	S10	Lead	SAMPLE	$11.80		$-
SOILS	S11	Cadmium	SAMPLE	$13.90		$-
SOILS	S12	Free Liquid	SAMPLE	$10.70		$-
SOILS	S13	Flash Point	SAMPLE	$24.60		$-
SOILS	S14	Grain Size - dry	SAMPLE	$40.70		$-
SOILS	S15	Grain Size - wet	SAMPLE	$54.60		$-
SOILS	S16	Bulk Density	SAMPLE	$12.90		$-
SOILS	S17	Permeability	SAMPLE	$39.60		$-
SOILS	S18	Nitrogen as Total Kjeldahl	SAMPLE	$19.30		$-
SOILS	S19	Nitrogen as Ammonia	SAMPLE	$16.10		$-
SOILS	S20	% Organic Matter	SAMPLE	$27.80		$-
SOILS	S21	TOC as NPOC	SAMPLE	$54.60		$-
SOILS	S22	Soil Moisture Content	SAMPLE	$6.50		$-
SOILS	S23	Air Filled Porosity	SAMPLE	$24.60		$-
SOILS	S24	% Total Solids	SAMPLE	$6.50		$-
SOILS	S25	Field Capacity	SAMPLE	$26.80		$-
SOILS	S26	TCLP Lead	SAMPLE	$79.20		$-
SOILS	S27	Cation Exchange (Ca, MG, & K)	SAMPLE	$25.70		$-
SOILS	S28	TCLP Cadmium	SAMPLE	$79.20		$-
SOILS	S29	TCLP Benzene	SAMPLE	$79.20		$-
LNAPL	LFPS01	Viscosity + Density Interfacial tension I (LNAPL/water [dyne/cm]) Interfacial tension II (LNAPL/air [dyne/cm]) Interfacial tension III (water/air) [dyne/cm])	SAMPLE	$534.60		$-
					TASK 33 TOTAL	$986.20

MAX COST	SAMPLES	TOTAL
$23.60		$-
$28.90		$-
$26.80		$-
$24.60		$-
$47.10		$-
$34.30		$-
$68.50		$-
$48.20		$-
$69.50		$-
$11.80		$-
TASK 24 TOTAL		$-