



September 11, 2018

Wisconsin Department of Natural Resources

Attn: Mr. Keld Lauridsen

2984 Shawano Ave.

Green Bay, WI 54313



Subject:

Former V&L Stripping
864 Mather Street
Green Bay, WI 54303
BRRTS #02-05-216722

Dear Keld:

In response to your letter dated August 14, 2018, the following is a confirmation that REI will implement the work plans previously prepared by Shaw and Mach IV. The site location is shown on Figure 1.

REI has confirmed pricing of the CAP 18 ME injectate. The proposed injection points are shown on Figure 2.

The monitoring well network has not been sampled since September 2010. As we discussed, prior to implementation of the injection, a baseline round of groundwater samples will be collected. The previous work plans proposed the following tasks:

- Initial sampling event and summary report
- Pre-Remedial Implementation and Planning (subcontractors, utility clearance, health and safety plan)
- Remedial Action Work Plan and Injection Permitting
- Injection of Amendment – CAP 18 ME
- Performance Monitoring
- Vapor Mitigation System Installation and Air Sampling
- Reporting
- Abandonment and DERF Claims

Project costs to closure for the above scope are estimated at \$94,351.27, with \$49,217.40 representing consulting and \$45,133.87 as commodity costs. A specific budget for each task, and certificate of insurance are attached.

If the Department concurs, the initial groundwater sampling event can likely be conducted in September 2018. A summary report will follow with a proposed schedule for the remaining tasks.



RESPONSIVE. EFFICIENT. INNOVATIVE.

4080 N. 20th Avenue Wausau, WI 54401
715-675-9784 REIengineering.com

WDNR
Attn: Keld Lauridsen
September 11, 2018

Thank you for your assistance with this project. Please call me if you have questions or comments at (715) 675-9784 or email me at Adelforge@REIengineering.com.

Sincerely,
REI Engineering, Inc.

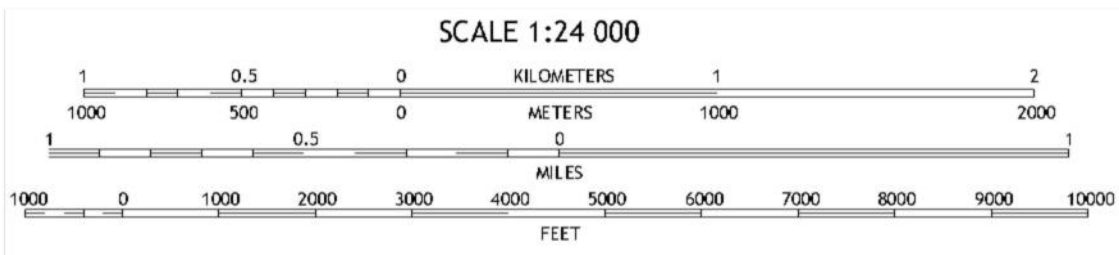
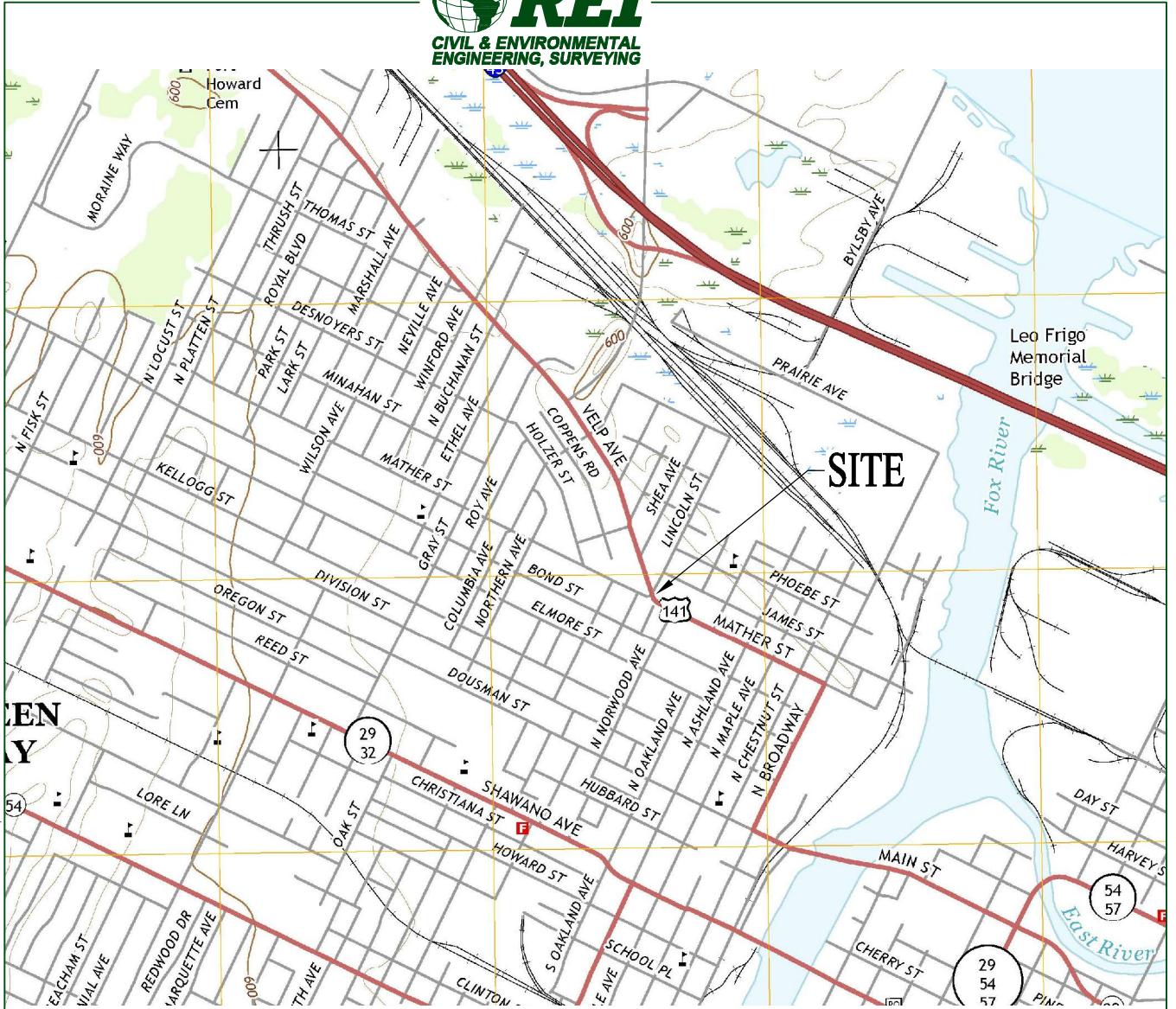


Andrew R. Delforge, P.G.
Hydrogeologist/Project Manager

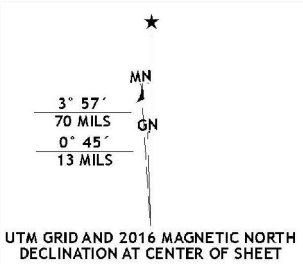
CC: Ken Juza, 1478 Norfield Road, Suamico, WI 54173

Enclosures

DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING\DWG\8518-VICIN.DWG LAYOUT: VICIN PLOTTED: SEP 10, 2018 - 7:39AM PLOTTED BY: MATTM



CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988



**GREEN BAY WEST QUADRANGLE
WISCONSIN-BROWN CO.
7.5-MINUTE SERIES**



REI ENGINEERING, INC.

V&L STRIPPING (FORMER)
864 MATHER STREET
GREEN BAY, WISCONSIN 54303



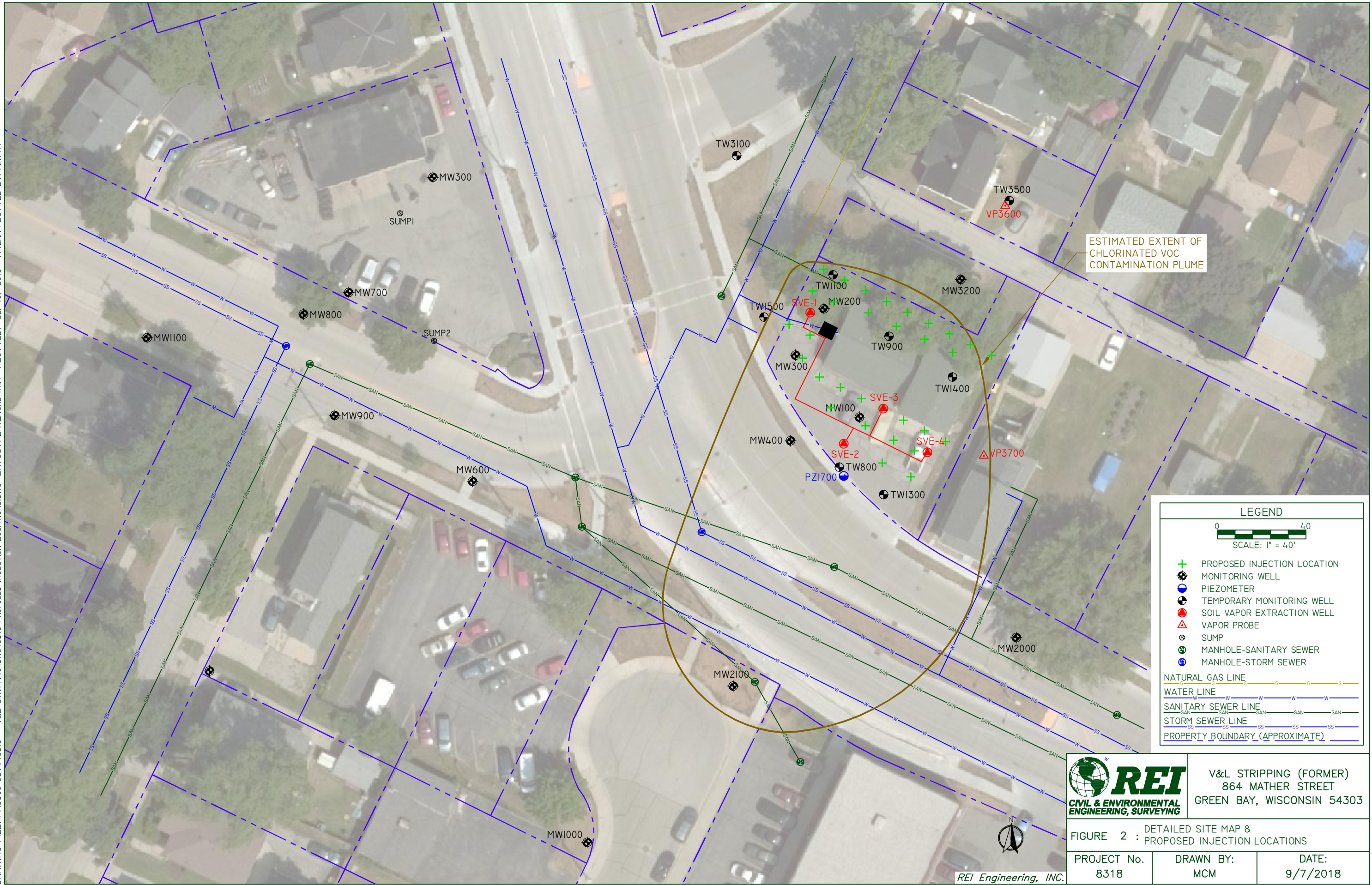
FIGURE I : VICINITY MAP

PROJECT NO. 8318

DRAWN BY: MCM

DATE: 9/10/2018

DRAWING FILE: P:\8300-8399\8318 - V&L STRIPPING.DWG\8318-PROPOSED INJECTION LOCATIONS.DWG LAYOUT: ENV_Horz-1x17 PLOTTED: SEP 10, 2018 - 7:42AM PLOTTED BY: MATTM



ESTIMATED EXTENT OF CHLORINATED VOC CONTAMINATION PLUME

LEGEND

0 40
SCALE: 1" = 40'

- + PROPOSED INJECTION LOCATION
- MONITORING WELL
- PIEZOMETER
- TEMPORARY MONITORING WELL
- SOIL VAPOR EXTRACTION WELL
- ▲ VAPOR PROBE
- SUMP
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER

NATURAL GAS LINE — G — G — G — G —

WATER LINE — W — W — W — W —

SANITARY SEWER LINE — SAN — SAN — SAN — SAN —

STORM SEWER LINE — SS — SS — SS — SS —

PROPERTY BOUNDARY (APPROXIMATE) — — — —

REI
CIVIL & ENVIRONMENTAL
ENGINEERING, SURVEYING

V&L STRIPPING (FORMER)
864 MATHER STREET
GREEN BAY, WISCONSIN 54303

FIGURE 2 : DETAILED SITE MAP & PROPOSED INJECTION LOCATIONS

PROJECT No. 8318	DRAWN BY: MCM	DATE: 9/7/2018
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REI Engineering, INC.

Totals V&L Stripping

<u>Task</u>	<u>Consulting</u>	<u>Commodity</u>
Initial Sampling	\$2,786.50	\$2,782.00
Pre-Remedial	\$1,043.00	
Work Plan and Permitting	\$7,568.00	
Injection	\$5,177.00	\$14,549.87
Performance Monitoring	\$14,355.50	\$21,252.00
VMS Installation and Air Sampling	\$2,162.00	\$6,550.00
Reporting	\$11,600.00	
Abandonment & Claims	\$4,525.40	
 Consulting	 \$49,217.40	
 Commodity		 \$45,133.87
 Total	 \$94,351.27	

Table 1 - Initial Groundwater Sampling

**V&L Stripping
Groundwater sampling**

Unit Costs are based on present values on above listed date

Task/ Expense Code	Phase	Description	Units	Quantity	Unit Cost	Event Cost	Events	Total Cost	Subtotal
Commodity Services									
101	1	Groundwater Samples - VOCs	ea	14	\$65.00	\$910.00	1	\$910.00	
101	1	Groundwater Samples - Inorganics	ea	14	\$133.00	\$1,862.00	1	\$1,862.00	
101	1	Purge water disposal - Wausau WWTP	ea	1	\$10.00	\$10.00	1	\$10.00	
Total Commodity Services									\$2,782.00
Field Activities									
20	1	Job Prep s - Environmental Scientist	hr	1	\$97.00	\$97.00	1	\$97.00	
15	1	Site time well sample - Environmental Scientist	hr	12	\$97.00	\$1,164.00	1	\$1,164.00	
15	1	site coordination - Senior Hydrogeologist	hr	1	\$109.00	\$109.00	1	\$109.00	
Total Field Activities									\$1,370.00
Documentation and Reporting									
18	1	Interpretation of Data (PM)	hr	2	\$109.00	\$218.00	1	\$218.00	
27	1	Summary Report	hr	6	\$109.00	\$654.00	1	\$654.00	
27	1	Drafting	hr	2	\$82.00	\$164.00	1	\$164.00	
41	1	Secretarial report, admin	hr	1	\$57.00	\$57.00	1	\$57.00	
Total Documentation and Reporting									\$1,093.00
Supplies and Equipment									
192		Peristaltic pump	day	1	\$18.00	\$18.00	1	\$18.00	
192		Tubing	ft	220	\$0.40	\$88.00	1	\$88.00	
117	1	water level	ea	0.5	\$25.00	\$12.50	1	\$12.50	
107	1	YSI & Flow Cell	day	1	\$150.00	\$150.00	1	\$150.00	
107	1	Drums	ea	1	\$55.00	\$55.00	1	\$55.00	
Total Supplies and Equipment									\$323.50
Consulting									\$2,786.50
Commodity									\$2,782.00
Total									\$5,568.50

Table 2 - Pre-Remedial Implementation Planning and Coordination

**V&L Stripping
Subcontractor Procurement, Utility Clearance, & Health and Safety Plan Preparation**

Unit Costs are based on present values on above listed date

Task/ Expense Code	Phase	Description	Units	Quantity	Unit Cost	Event Cost	Events	Total Cost	Subtotal
Documentation and Reporting									
27	1	Project Management -Senior Hydrogeologist	hr	8	\$109.00	\$872.00	1	\$872.00	
41	1	Secretarial report, admin	hr	3	\$57.00	\$171.00	1	\$171.00	
Total Documentation and Reporting									\$1,043.00
Consulting									\$1,043.00
Commodity									\$0.00
Total									\$1,043.00

Table 3 - Remedial Action Work Plan and Injection Permitting

Unit Costs are based on present values on above listed date

Task/ Expense Code	Phase	Description	Units	Quantity	Unit Cost	Event Cost	Events	Total Cost	Subtotal
Injection Permitting									
18	1	Interpretation of Data - Senior Hydrogeologist	hr	3	\$109.00	\$327.00	1	\$327.00	
18	1	Drafting	hr	3	\$82.00	\$246.00	1	\$246.00	
18	1	Permit - Senior Hydrogeologist	hr	8	\$109.00	\$872.00	1	\$872.00	
41	1	Secretarial report, admin	hr	2	\$57.00	\$114.00	1	\$114.00	
									\$1,559.00
Preparation of Remedial Action Work Plan									
18	1	Interpretation of Data - Senior Hydrogeologist	hr	3	\$109.00	\$327.00	1	\$327.00	
18	1	Drafting	hr	3	\$82.00	\$246.00	1	\$246.00	
18	1	Work Plan - Senior Hydrogeologist	hr	12	\$109.00	\$1,308.00	1	\$1,308.00	
18	1	Review - Senior Consultant	hr	2	\$115.00	\$230.00	1	\$230.00	
41	1	Secretarial report, admin	hr	2	\$57.00	\$114.00	1	\$114.00	
									\$2,225.00
Total Documentation and Reporting									\$3,784.00
Consulting									\$7,568.00
Commodity									\$0.00
Total									\$7,568.00

Table 4 - Injection of Amendment - CAP 18ME

V&L Stripping

Unit Costs are based on present values on above listed date

Task/ Expense Code	Phase	Description	Units	Quantity	Unit Cost	Event Cost	Events	Total Cost	Subtotal
Commodity Services									
101	1	Geoprobe point installation and injection	day	4	\$2,300.00	\$9,200.00	1	\$9,200.00	
101	1	Electron Donor Amendment - CAP18 ME	Pounds	1675	\$3.10	\$5,199.87	1	\$5,199.87	
101	1	Soil Cuttings - waste disposal	drums	3	\$50.00	\$150.00	1	\$150.00	
Total Commodity Services									\$14,549.87
Field Activities									
20	1	Job Prep - Environmental Scientist	hr	4	\$97.00	\$388.00	1	\$388.00	
15	1	Site time (Estimated 4 days) -Env. Scientist	hr	46	\$97.00	\$4,462.00	1	\$4,462.00	
15	1	site coordination - Senior Hydrogeologist	hr	3	\$109.00	\$327.00	1	\$327.00	
Total Field Activities									\$5,177.00
Consulting									\$5,177.00
Commodity									\$14,549.87
Total									\$19,726.87

Table 5 - Performance Monitoring

**V&L Stripping
Groundwater sampling**

Unit Costs are based on present values on above listed date

Task/ Expense Code	Phase	Description	Units	Quantity	Unit Cost	Event Cost	Events	Total Cost	Subtotal
Commodity Services									
101	1	Groundwater Samples - VOCs (2 QA/QC)	ea	16	\$65.00	\$1,040.00	8	\$8,320.00	
101	1	Groundwater Samples - Inorganics	ea	14	\$153.00	\$2,142.00	6	\$12,852.00	
101	1	Purge water disposal - Wausau WWTP	ea	1	\$10.00	\$10.00	8	\$80.00	
Total Commodity Services									\$21,252.00
Field Activities									
20	1	Job Prep - Environmental Scientist	hr	1	\$97.00	\$97.00	8	\$776.00	
15	1	Site time well sample - Environmental Scientist	hr	12	\$97.00	\$1,164.00	8	\$9,312.00	
15	1	site coordination - Senior Hydrogeologist	hr	1	\$109.00	\$109.00	8	\$872.00	
Total Field Activities									\$10,960.00
Documentation and Reporting									
18	1	Interpretation of Data (PM)	hr	3	\$109.00	\$327.00	8	\$2,616.00	
41	1	Secretarial report, admin	hr	1	\$57.00	\$57.00	8	\$456.00	
Total Documentation and Reporting									\$3,072.00
Supplies and Equipment									
192		Peristaltic pump	day	1	\$18.00	\$18.00	1	\$18.00	
192		Tubing	ft	220	\$0.40	\$88.00	1	\$88.00	
117	1	water level	ea	0.5	\$25.00	\$12.50	1	\$12.50	
107	1	YSI & Flow Cell	day	1	\$150.00	\$150.00	1	\$150.00	
107	1	Drums	ea	1	\$55.00	\$55.00	1	\$55.00	
Total Supplies and Equipment									\$323.50
Consulting									\$14,355.50
Commodity									\$21,252.00
Total									\$35,607.50

Table 5 Vapor Mitigation System Installation and Air Sampling

V&L Stripping

Unit Costs are based on present values on above listed date

Task/ Expense Code	Phase	Description	Units	Quantity	Unit Cost	Event Cost	Events	Total Cost	Subtotal
Commodity Services									
101	1	Vapor Samples TO-15	ea	8	\$275.00	\$2,200.00	1	\$2,200.00	
101	1	Vapor Mitigation Installation - Subcontractor	ea	1	\$3,750.00	\$3,750.00	1	\$3,750.00	
101	1	Diagnostic Testing	ea	1	\$600.00	\$600.00	1	\$600.00	
Total Commodity Services									\$6,550.00
Field Activities - Construction Oversight and Documentatino									
20	1	Job Prep - Environmental Scientist	hr	1	\$97.00	\$97.00	1	\$97.00	
15	1	Site time -Environmental Scientist	hr	4	\$97.00	\$388.00	1	\$388.00	
15	1	site coordination - Senior Hydrogeologist	hr	4	\$109.00	\$436.00	1	\$436.00	
Vapor Intrusion Sampling									
20	1	Job Prep - Environmental Scientist	hr	1	\$97.00	\$97.00	1	\$97.00	
15	1	Site time -Environmental Scientist	hr	8	\$97.00	\$776.00	1	\$776.00	
15	1	site coordination - Senior Hydrogeologist	hr	2	\$109.00	\$218.00	1	\$218.00	
Total Field Activities									\$2,012.00
Supplies and Equipment									
192		Multi-gas meter & Vacuum gauges	day	1	\$150.00	\$150.00	1	\$150.00	
Total Supplies and Equipment									\$150.00
Consulting									\$2,162.00
Commodity									\$6,550.00
Total									\$8,712.00

Table 7 - Reporting

Unit Costs are based on present values on above listed date

Task/ Expense Code	Phase	Description	Units	Quantity	Unit Cost	Event Cost	Events	Total Cost	Subtotal
1st Year Summary Report									
18	1	Interpretation of Data - Senior Hydrogeologist	hr	16	\$109.00	\$1,744.00	1	\$1,744.00	
18	1	Drafting	hr	6	\$82.00	\$492.00	1	\$492.00	
18	1	Summary Report - Senior Hydrogeologist	hr	8	\$109.00	\$872.00	1	\$872.00	
41	1	Secretarial report, admin	hr	3	\$57.00	\$171.00	1	\$171.00	
									\$3,279.00
Closure Report									
18	1	Interpretation of Data - Senior Hydrogeologist	hr	10	\$109.00	\$1,090.00	1	\$1,090.00	
18	1	Drafting	hr	8	\$82.00	\$656.00	1	\$656.00	
18	1	Closure Report & GIS Registry - Senior Hydrogeolc	hr	40	\$109.00	\$4,360.00	1	\$4,360.00	
18	1	Review - Senior Consultant	hr	2	\$115.00	\$230.00	1	\$230.00	
41	1	Secretarial report, admin	hr	5	\$57.00	\$285.00	1	\$285.00	
41	1	WDNR Closure Fees	lump	1	\$1,700.00	\$1,700.00	1	\$1,700.00	
									\$8,321.00
Consulting									\$11,600.00
Commodity									\$0.00
Total									\$11,600.00

Table 8 Abandonment & DERF Claims

Unit Costs are based on present values on above listed date

Task/ Expense Code	Phase	Description	Units	Quantity	Unit Cost	Event Cost	Events	Total Cost	Subtotal
Monitoring well, SVE well, injection point, & vapor probe abandonment									
18	1	Field Time - Environmental Scientist	hr	14	\$97.00	\$1,358.00	1	\$1,358.00	
18	1	Bentonite	bags	10	\$11.10	\$111.00	1	\$111.00	
18	1	Asphalt patch	bags	4	\$13.10	\$52.40	1	\$52.40	
41	1	Abandonment Forms -Environmental Scientist	hr	4	\$97.00	\$388.00	1	\$388.00	
									\$1,909.40
DERF Claim (assumes 4)									
18	1	Senior Hydrogeologist	hr	6	\$109.00	\$654.00	4	\$2,616.00	
									\$4,525.40
Total Documentation and Reporting									\$4,525.40
Consulting									\$4,525.40
Commodity									\$0.00
Total									\$4,525.40



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)
12/27/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER M3 Insurance Solutions, Inc. One Corporate Drive, Suite 600 Wausau WI 54401	CONTACT NAME: Katie Johnson	
	PHONE (A/C, No., Ext): 608-288-2845	FAX (A/C, No):
E-MAIL ADDRESS: Katie.Johnson@m3ins.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A : Admiral Insurance Company		
INSURER B : Acuity Insurance Company		14184
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

INSURED REIENGI-01
REI Engineering Inc.
4080 N. 20th Avenue
Wausau WI 54401

COVERAGES **CERTIFICATE NUMBER:** 816550190 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			FEI-ECC-12053-05	1/1/2018	1/1/2019	EACH OCCURRENCE	\$ 5,000,000
							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$ 50,000
							MED EXP (Any one person)	\$ 5,000
							PERSONAL & ADV INJURY	\$ 5,000,000
							GENERAL AGGREGATE	\$ 5,000,000
							PRODUCTS - COMP/OP AGG	\$ 5,000,000
								\$
B	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY			Z86783	1/1/2018	1/1/2019	COMBINED SINGLE LIMIT (Ea accident)	\$ 1,000,000
							BODILY INJURY (Per person)	\$
							BODILY INJURY (Per accident)	\$
							PROPERTY DAMAGE (Per accident)	\$
								\$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			Z86783	1/1/2018	1/1/2019	EACH OCCURRENCE	\$ 7,000,000
							AGGREGATE	\$ 7,000,000
								\$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	Z86783	1/1/2018	1/1/2019	PER STATUTE	
							OTH-ER	
							E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000
A	Professional Liability Pollution			FEI-ECC-12053-05	1/1/2018	1/1/2019	Aggregate	5,000,000
							Each	5,000,000
							Aggregate	5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Auto Liability and Employers Liability are scheduled under the Umbrella Policy.
This Certificate Is Not A Valid Certificate. It Is Intended For Informational Purposes Only. If You Need To Be Added As A Certificate Holder, Please Contact Our Office With Your Complete Information And We Will Forward A Valid Certificate.

CERTIFICATE HOLDER

CANCELLATION

REI Engineering, Inc. 4080 N 20th Ave. Wausau WI 54401	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Katie Johnson</i>
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