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October 10, 2016

BRRTS #: 03-04-000980
PECFA #: 54806-9237-03-A

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

Subject: Nep's Bar – Letter Report

Dear Ms. Stoltz,

Enclosed is the Letter Report for the Nep's Bar site located at 23885 County Hwy G in Ashland, Wisconsin. **This completes the Public Bidding Deferred workscope approved on September 29, 2015.**

Vapor Sampling Workscope

On April 12-13, 2016, Braun Intertec of La Crosse, WI collected one indoor air sample (V-1) from the basement of the residence located at 23885 County Hwy G. The air sample was collected using a Suma canister with a flow regulator that allowed the air sample to be collected over a 24 hour period for VOC (TO-15) analysis.

On April 13, 2016, Braun Intertec installed three sub-slab vapor sampling ports (V-2, V-3, V-4) in the basement of residence 23885 County Hwy G. The sub-slab vapor sampling port was constructed by drilling a ½-inch pilot hole through the concrete slab and several inches into the sub slab material with a hammer drill. A 1½-inch outer hole is then drilled to depths ranging from ¾ -inch to 1-inch, depending on the concrete slab thickness. The hole was cleaned of dust and drilling debris using a shop-vac. A stainless steel vapor pin is installed in the inner hole with a silicon sleeve to obtain an air tight seal with the concrete floor. The remainder of the hole is sealed with hydrated bentonite and a water dam test was conducted to confirm that the seal is air tight.

On April 13, 2016, Braun Intertec collected three vapor samples from the sub-slab sampling ports (V-2, V-3, V-4) for VOC (TO-15) analysis. Vapor samples were collected by using a short length of Teflon tubing to connect the sampling port and a 6-liter Suma canister. The air samples were collected using a Suma canister with a flow regulator that allowed the sub-slab vapor sample to be collected over a 30 minute period. Prior to collecting the sub-slab vapor samples, a shut in test was conducted to assure that the fittings between the sample probe and sampling container are air tight. No leaks were detected. The sub-slab soil vapor sampling results are summarized in the attached data table.

Drilling Project

On April 13, 2016, Range Environmental Drilling of Hibbing, MN conducted a drilling project under the supervision of METCO personnel. During the drilling project, three monitoring wells (MW-6, MW-7, MW-8) were installed to 20 feet bgs. Fifteen soil samples were collected during the drilling project for field (PID) and/or laboratory analysis (GRO, PVOC, Naphthalene, and +1,2-DCA). The monitoring wells were not developed, as they were dry following installation.

Groundwater Monitoring Workslope

On May 31, 2016, METCO personnel collected groundwater samples from eight monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8,) for VOC (MW-6, MW-7, and MW-8) or PVOC, Naphthalene, and +1,2-DCA analysis (MW-1, MW-2, MW-3, MW-4 and MW-5). A water sample was also collected from the on-site potable well (23885 PW) for VOC analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled wells.

On August 30, 2016, METCO personnel collected groundwater samples from eight monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7, and MW-8) for PVOC, Naphthalene, and +1,2-DCA analysis. A water sample was also collected from the on-site potable well (23885 PW) for VOC analysis. Water level, dissolved oxygen, pH, ORP, specific conductance, and temperature measurements were collected from all sampled wells. During the sampling event, METCO personnel properly surveyed the new monitoring wells (MW-6, MW-7, and MW-8) to feet mean sea level (MSL).

Discussion of Results:

Discussion of Vapor Results:

Indoor Air Sample V-1: Currently shows a Residential Indoor Air Vapor Action Level (VAL) exceedance for Naphthalene (2.9 ug/m^3). This may likely be due to the presence of the the two home heating oil tanks located in the basement.

Sub-Slab Vapor Sample V-2: Currently shows a Residential Indoor Air Vapor Action Levels (VAL) exceedance for Naphthalene (67.4 ug/m^3).

Sub-Slab Vapor Sample V-3: Showed no exceedances for the Residential Sub-Slab Vapor Action Levels (VAL).

Sub-Slab Vapor Sample V-4: Showed no exceedances for the Residential Sub-Slab Vapor Action Levels (VAL).

Discussion of Soil Results:

Soil Sample MW-7-5: Showed no detects for GRO, PVOC, Naphthalene+1,2-DCA.

Soil Sample MW-8-5: Showed no detects for GRO, PVOC, or Naphthalene+1,2-DCA.

Discussion of Groundwater Results:

Monitoring Well MW-1: Currently shows NR140 Enforcement Standard (ES) exceedances for Benzene (18,600 ppb), 1,2-Dichloroethane (DCA) (330 ppb), Ethylbenzene (1,840 ppb), Naphthalene (490 ppb), Toluene (22,300 ppb), Trimethylbenzenes (2,530 ppb), and Xylene (12,300 ppb).

Monitoring Well MW-2: Currently shows an ES exceedance for Benzene (35 ppb) as well as a NR140 Preventative Action Limit (PAL) exceedance for Naphthalene (18.5 ppb).

Monitoring Well MW-3: Currently shows an ES exceedance for Benzene (172 ppb).

Monitoring Well MW-4: Currently shows no detects for PVOC, Naphthalene, and +1,2-DCA analysis.

Monitoring Well MW-5: Currently shows no detects for PVOC, Naphthalene, and +1,2-DCA analysis.

Monitoring Well MW-6: Currently shows no detects for PVOC, Naphthalene, and +1,2-DCA analysis.

Monitoring Well MW-7: Currently shows a PAL exceedance for Benzene (0.57 ppb).

Monitoring Well MW-8: Currently shows no detects for PVOC, Naphthalene, and +1,2-DCA analysis.

Private Well 23885 Cty Hwy G: Currently shows no detects for VOC's .

Conclusions/Recommendations

Due to the Direct Contact exceedances in borings G-1-1, G-4-1, G-5-1, and G-6-1 and elevated contaminant levels in MW-1, the WDNR will likely require an excavation/disposal project to reduce the contaminant mass (see the attached Proposed Excavation Area Map). Following the excavation project, a replacement well (MW-1R) would be required along with post excavation groundwater monitoring to assess post excavation contaminant trends.

However, if a remedial excavation project is conducted, it should be noted that large cracks were noted in the foundation blocks on the north wall of the basement of the Nep's Bar building. Excavation of the soils immediately adjacent to the north wall of the basement should be avoided and a suitable backfill (with fines) should be used to prevent flooding issues to the basement.

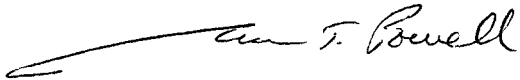
It should also be noted that the Indoor Air Sample (V-1) and Sub-Slab Vapor Sample (V-2) exceeded Vapor Action Levels for Naphthalene, however the indoor sample may likely be due to the presence of two heating oil tanks located in the basement. Permanent sub-slab vapor monitoring points were installed, if additional vapor sampling is required.

Per WDNR response, METCO will proceed with the project.

A Detailed Site Map, Groundwater Flow Maps (2), Soil Contamination Map, Groundwater Contamination Map, Proposed Excavation Area Map, Data Tables, Drilling Documents, Vapor Documents, and Laboratory Documents have been attached.

If you have any questions or comments please feel free to call (608-781-8879) or email at jasonp@metcohq.com.

Sincerely,

A handwritten signature in black ink that reads "Jason T. Powell". The signature is written in a cursive style with a long, sweeping underline that extends to the left.

Jason T. Powell
Staff Scientist

Attachments

c: Mildred Augustine – Client

SITE MAP

NEP'S BAR

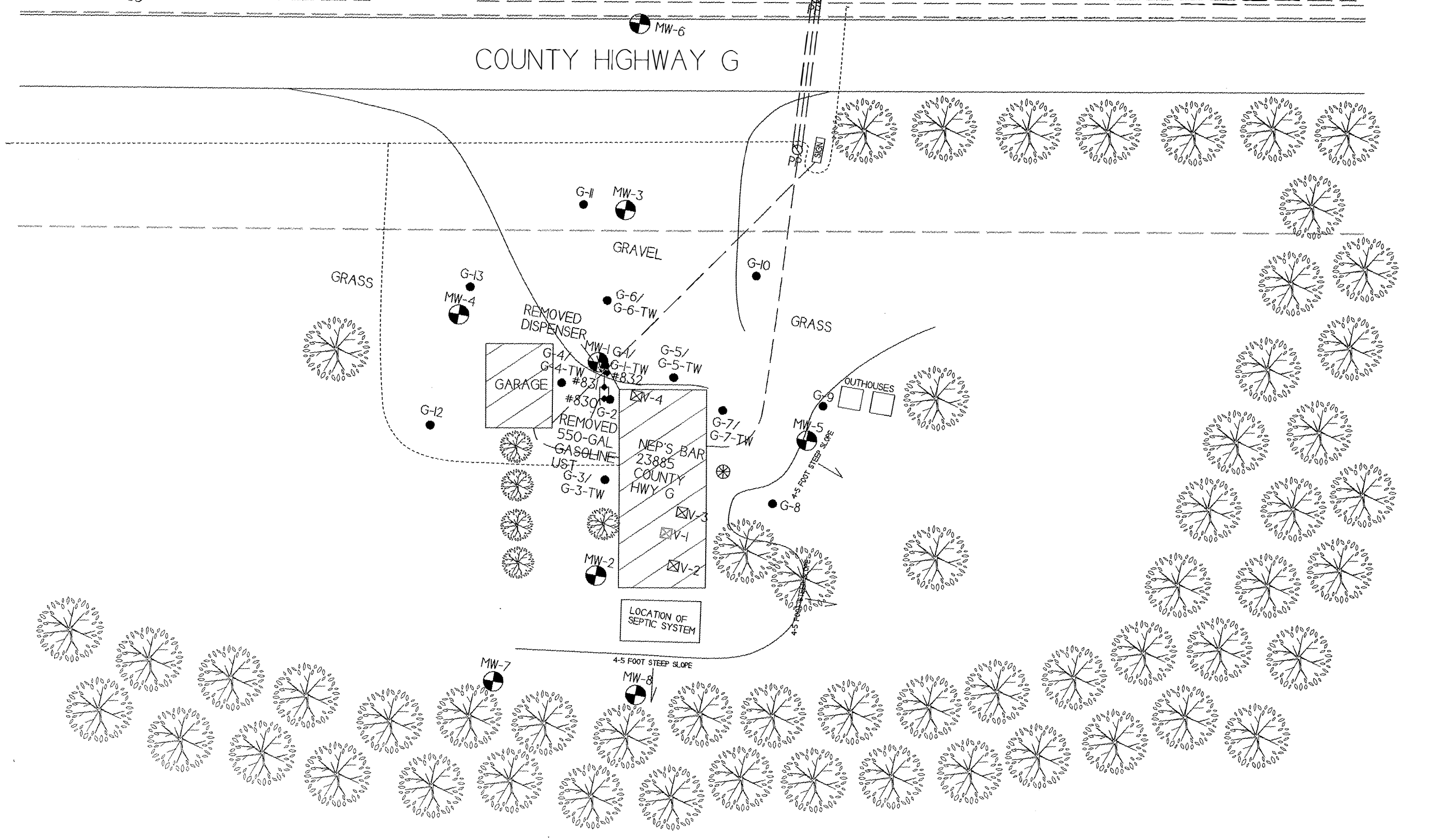
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Tel: (608) 781-8879
Fax: (608) 781-8893

MOQUAH, WISCONSIN

DRAWN BY: ED
DATE: 08/13/2012
EDITED BY: JJ 5/27/16

SCALE:
1 INCH = 30 FEET

- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- ◆ - UST CLOSURE SOIL SAMPLING LOCATION
 - - GEOPROBE BORING LOCATION
 - ⊗ - POTABLE WELL LOCATION
 - ⊙ - MONITORING WELL LOCATION
 - ⊠ - INDOOR AIR SAMPLE LOCATION
 - ⊞ - SUB-SLAB VAPOR SAMPLE LOCATION
 - - BURIED ELECTRIC LINE
 - - - - TELEPHONE
 - ==== OVERHEAD ELECTRIC LINE
 - - - - PROPERTY LINE



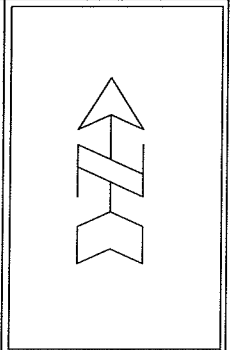
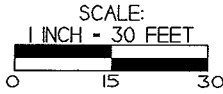
GROUNDWATER FLOW MAP (05/31/2016) NEP'S BAR



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WISCONSIN

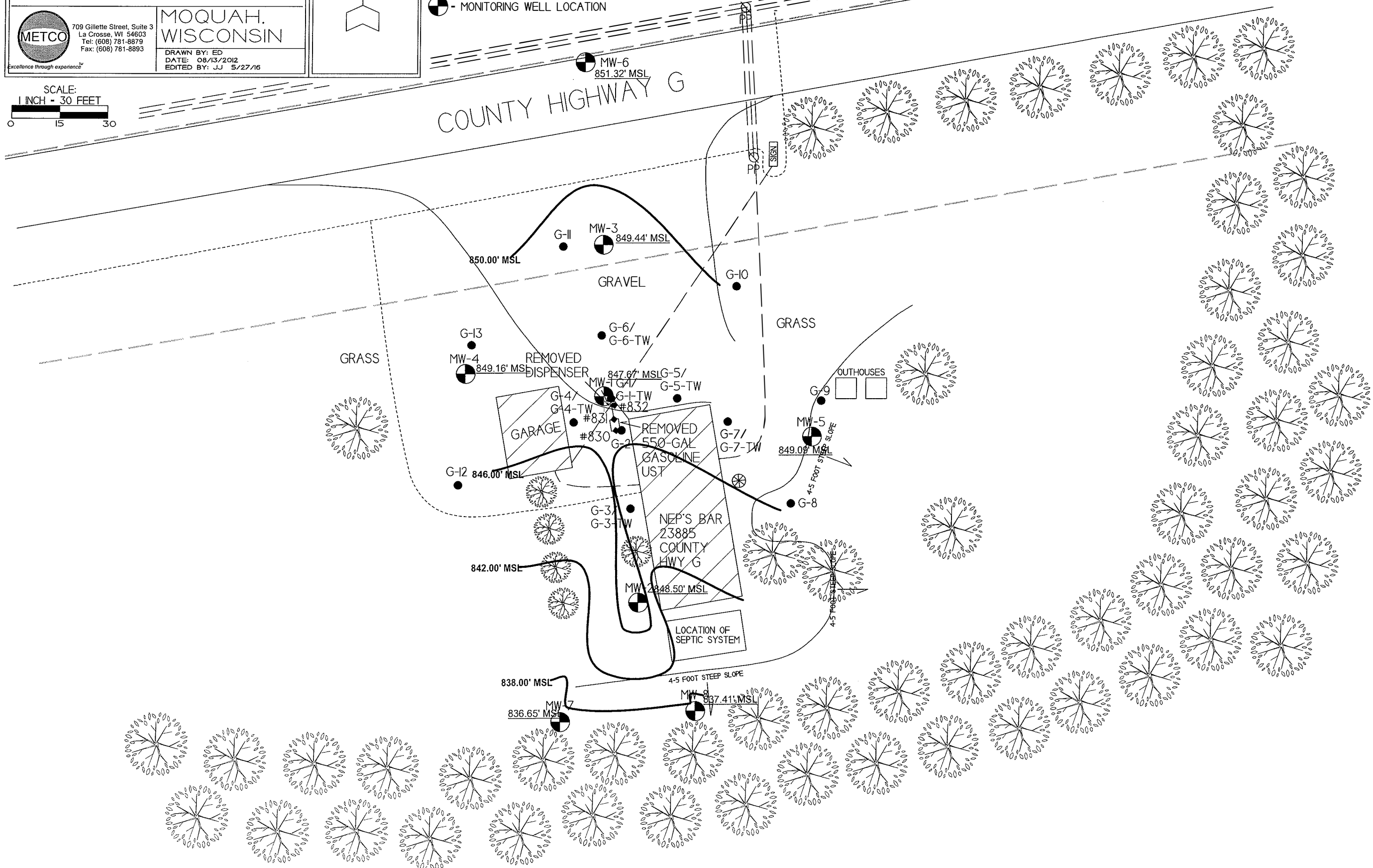
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- ◆ - UST CLOSURE SOIL SAMPLING LOCATION
- - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION

- - BURIED ELECTRIC LINE
- - - - - TELEPHONE
- ==== OVERHEAD ELECTRIC LINE
- - - - - PROPERTY LINE



GROUNDWATER FLOW MAP (08/30/2016)

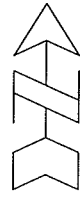
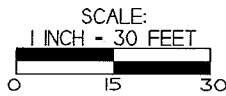
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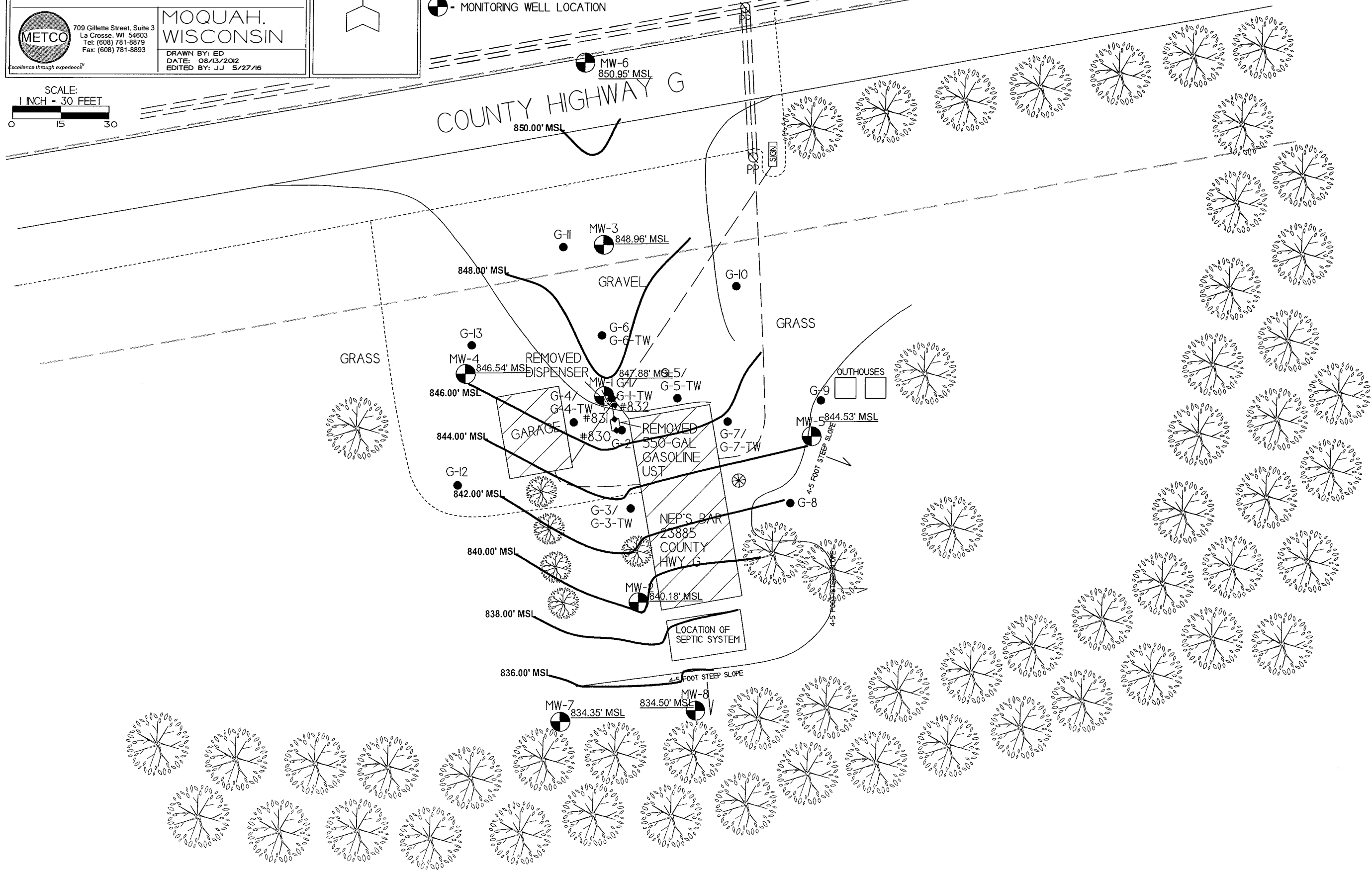
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- ◆ - UST CLOSURE SOIL SAMPLING LOCATION
- - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION

- - - - - BURIED ELECTRIC LINE
- - - - - TELEPHONE
- ==== OVERHEAD ELECTRIC LINE
- - - - - PROPERTY LINE

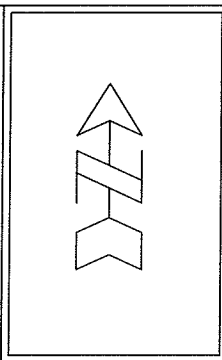
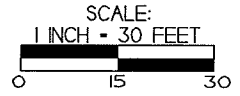


PRE-REMEDIAL
SOIL CONTAMINATION
NEP'S BAR

MOQUAH,
WISCONSIN

METCO
709 Gillette Street, Suite 3
La Crosse, WI 54603
Tel: (608) 781-8879
Fax: (608) 781-8893

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MODIFIED BY: JJ 10/23/2014

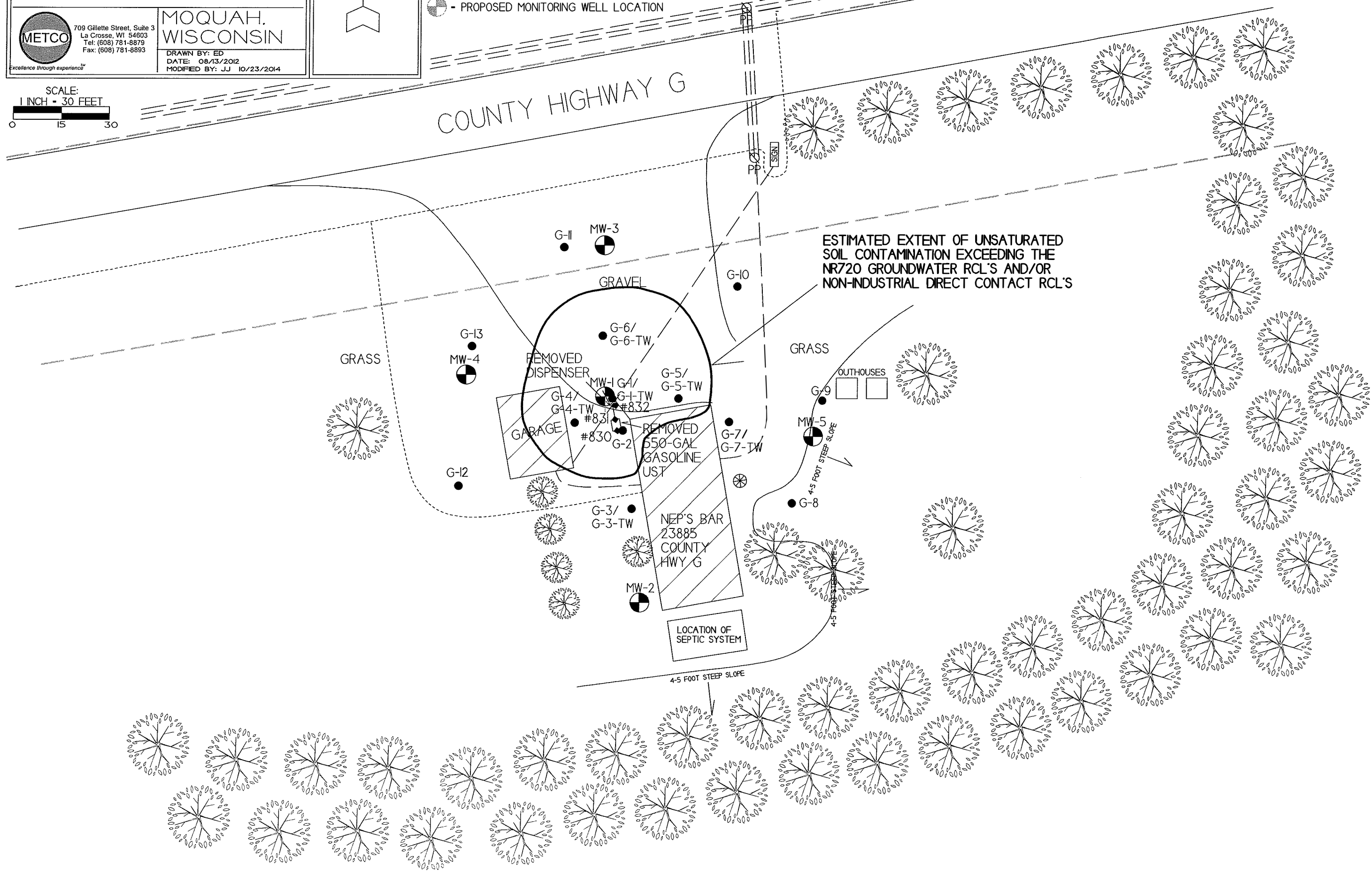


- NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER
- ◆ - UST CLOSURE SOIL SAMPLING LOCATION
 - - GEOPROBE BORING LOCATION
 - ⊗ - POTABLE WELL LOCATION
 - ⊙ - PROPOSED MONITORING WELL LOCATION

- - BURIED ELECTRIC LINE
- - - - - TELEPHONE
- =====
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===== OVERHEAD ELECTRIC LINE
- - - - - PROPERTY LINE

COUNTY HIGHWAY G

ESTIMATED EXTENT OF UNSATURATED SOIL CONTAMINATION EXCEEDING THE NR720 GROUNDWATER RCL'S AND/OR NON-INDUSTRIAL DIRECT CONTACT RCL'S



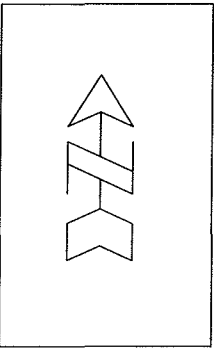
GROUNDWATER
CONTAMINATION (8/30/2016)

NEP'S BAR



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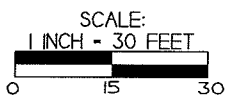
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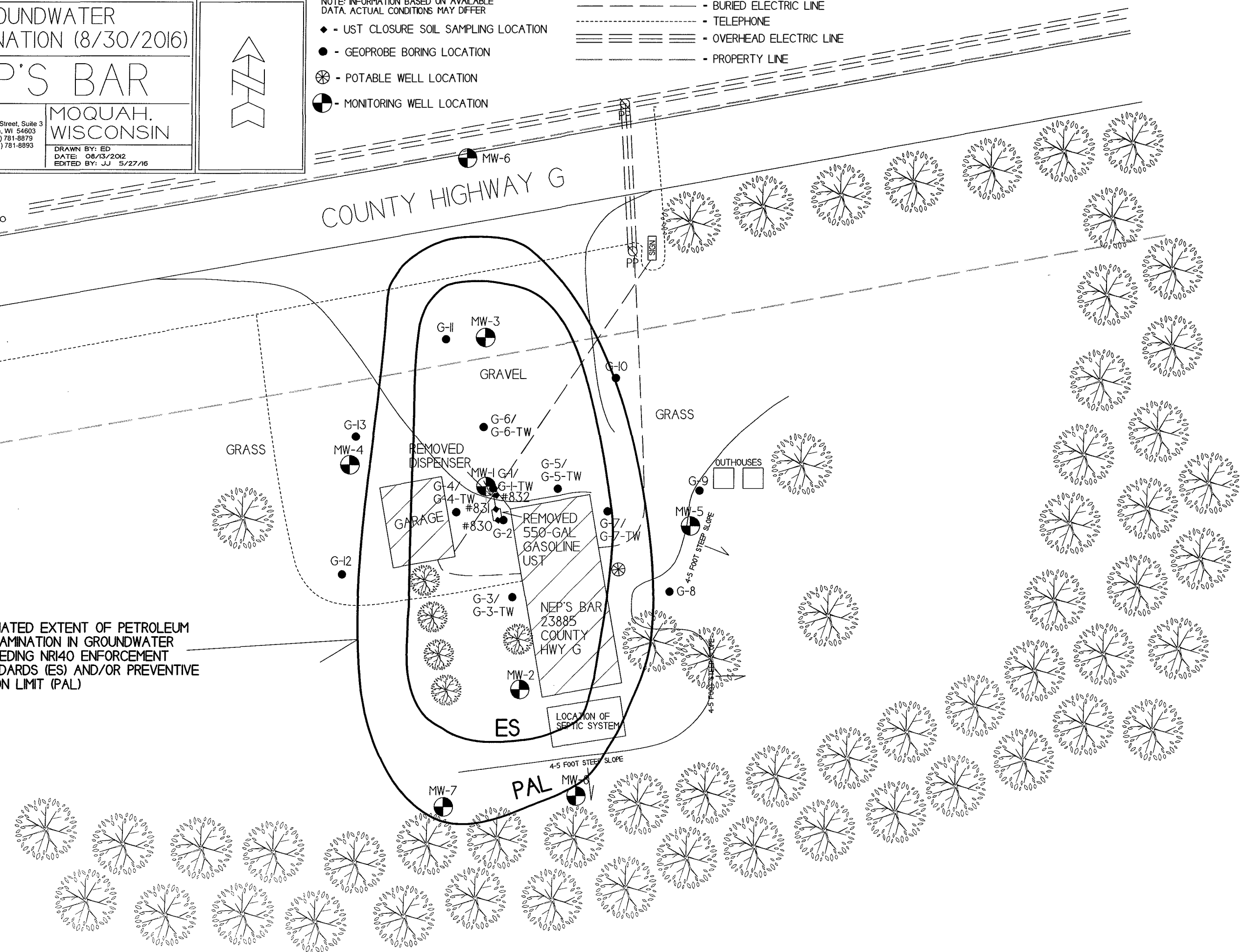
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- ⊕ - MONITORING WELL LOCATION

- - BURIED ELECTRIC LINE
- - - - TELEPHONE
- ==== OVERHEAD ELECTRIC LINE
- - - - PROPERTY LINE



COUNTY HIGHWAY G

ESTIMATED EXTENT OF PETROLEUM
CONTAMINATION IN GROUNDWATER
EXCEEDING NRI40 ENFORCEMENT
STANDARDS (ES) AND/OR PREVENTIVE
ACTION LIMIT (PAL)



PROPOSED EXCAVATION
AREA MAP

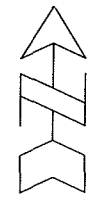
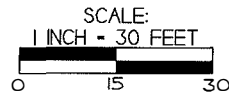
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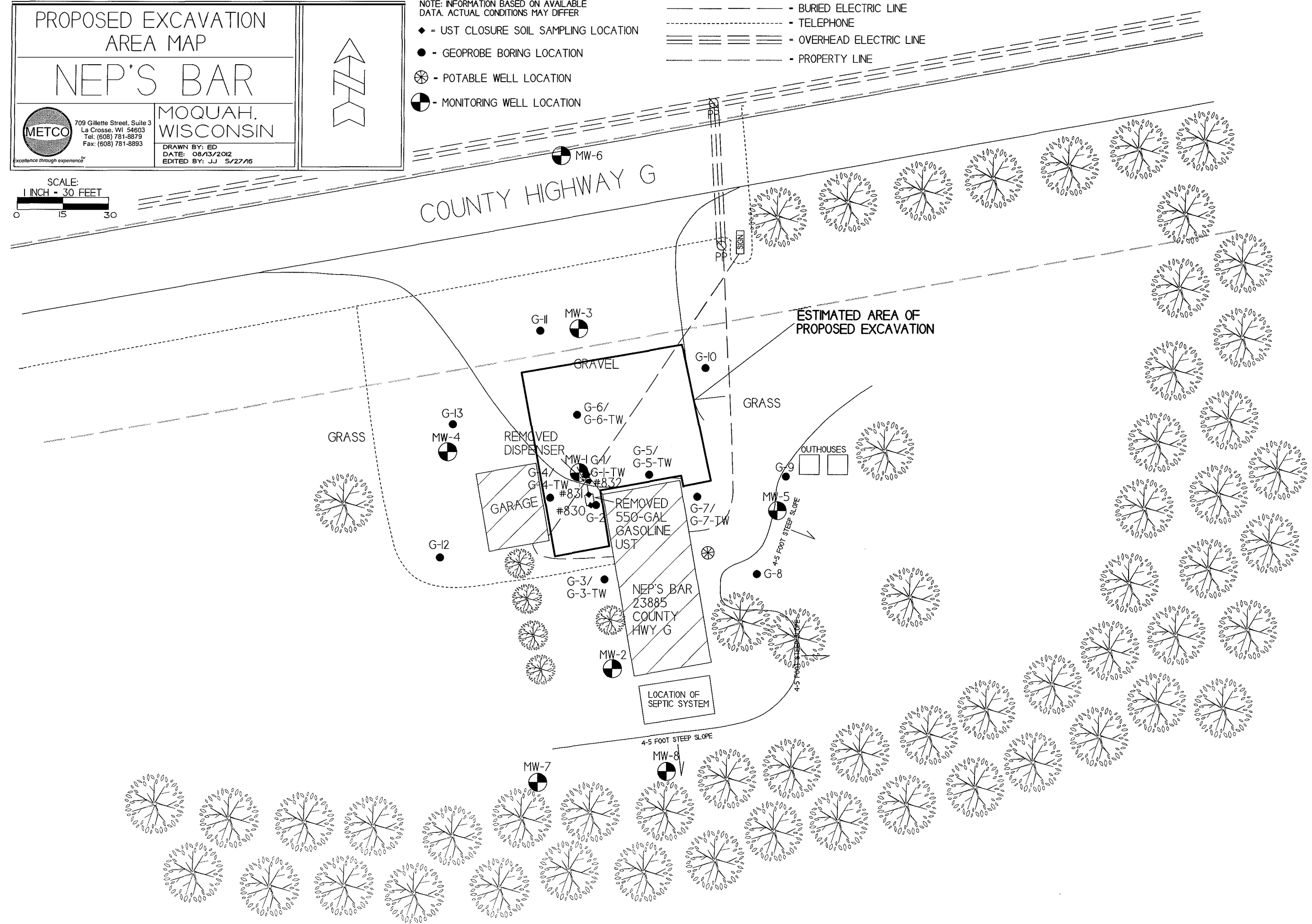
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- - GEOPROBE BORING LOCATION
- ⊗ - POTABLE WELL LOCATION
- ⊙ - MONITORING WELL LOCATION

- - BURIED ELECTRIC LINE
- - - - - TELEPHONE
- =====
=====
=====
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===== - OVERHEAD ELECTRIC LINE
- - PROPERTY LINE



3 A.1 Groundwater Analytical Table
Nep's Bar LUST Site BRRTS# 03-04-000980

Well MW-1

PVC Elevation = 854.21 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13	845.39	8.82	43.4	23700	1200	2700	<46	490	26800	3390	14300
02/04/14	845.36	8.85	10.1	26700	880	2070	<46	700	26900	3450	13700
05/01/14	849.30	4.91	<0.7	22000	1240	1730	<46	<340	23100	4220	12300
08/05/14	845.81	8.40	4.1	21200	660	1760	<46	850	23200	3050	11900
05/31/16	847.67	6.54	NS	7900	218	1340	<220	410	15500	2600	9310
08/30/16	847.88	6.33	NS	18600	330	1840	<110	490	22300	2530	12300
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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 = 853.73 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13											
DRY											
02/04/14	836.66	17.07	32.2	410	<41	1700	<23	600	72	3860	3300-3363
05/01/14	842.26	11.47	<0.7	72	<20.5	209	<11.5	<85	<34.5	456	440-471.5
08/05/14	839.05	14.68	1.3	171	<4.1	740	<2.3	181	24.4	1450	1560-1566.3
05/31/16	848.50	5.23	NS	4.3	<0.48	18.8	<1.1	5.6	<0.44	16.5	8.3-9.20
08/30/16	840.18	13.55	NS	35	<0.48	52	<1.1	18.5	0.70	55.1	67-67.9
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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 = 854.05 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13	846.20	7.85	<0.7	8.3	<0.41	11.8	<0.23	<1.7	17	13.2	42.8
02/04/14	845.63	8.42	<0.7	41	<0.41	40	<0.23	2.98	1	29.3	80.7
05/01/14											
ICE FROZEN IN PVC											
08/05/14	847.26	6.79	<0.7	112	<0.41	104	<0.23	17.4	8.5	173	226
05/31/16	849.44	4.61	NS	101	<0.48	59	<1.1	5.1	7.1	52.4	22.57
08/30/16	848.96	5.09	NS	172	<0.48	90	<1.1	<1.6	16	14.5	4.4-5.30
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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
Nep's Bar LUST Site BRRTS# 03-04-000980

Well MW-4

PVC Elevation = 853.22 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13	835.13	18.09	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
02/04/14	842.17	11.05	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
05/01/14	846.17	7.05	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
08/05/14	844.01	9.21	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
05/31/16	849.16	4.06	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/30/16	846.54	6.68	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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 = 851.65 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13	845.17	6.48	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
02/04/14	846.39	5.26	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
05/01/14	849.73	1.92	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
08/05/14	845.10	6.55	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
05/31/16	849.09	2.56	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/30/16	844.53	7.12	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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 = 854.45 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/31/16	851.32	3.13	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/30/16	850.95	3.50	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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
 Nep's Bar LUST Site BRRTS# 03-04-000980

Well MW-7

PVC Elevation = 849.34 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/31/16	836.65	12.69	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/30/16	834.35	14.99	NS	0.57	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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-8

PVC Elevation = 849.22 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
05/31/16	837.41	11.81	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/30/16	834.50	14.72	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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).

Private Well 23885 Cty Hwy G

Date	Water Elevation (in feet msl)	Depth to Water (in feet)	Lead (ppb)	Benzene (ppb)	1,2-Dichloroethane (DCA) (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
11/07/13	NM	NM	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
02/04/14	NM	NM	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
05/01/14	NM	NM	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
08/05/14	NM	NM	<0.7	<0.24	<0.41	<0.55	<0.23	<1.7	<0.69	<3.6	<1.32
05/31/16	NM	NM	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
08/30/16	NM	NM	NS	<0.44	<0.48	<0.71	<1.1	<1.6	<0.44	<3.1	<3.1
ENFORCE MENT STANDARD ES = Bold			15	5	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			1.5	0.5	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.6 Water Level Elevations
Nep's Bar LUST Site BRRTS# 03-04-000980
Ashland, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8
Ground Surface (feet msl)	854.72	853.97	854.40	853.46	852.06	854.76	849.52	849.48
pvc top (ft)	854.21	853.73	854.05	853.22	851.65	854.45	849.34	849.22
Well Depth (feet)	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Top of screen (feet msl)	884.72	883.97	884.40	883.46	882.06	884.76	879.52	879.48
Bottom of screen (feet msl)	874.72	873.97	874.40	873.46	872.06	874.76	869.52	869.48
Depth to Water From Top of PVC (feet)								
11/07/13	8.82	DRY	7.85	18.09	6.48	NI	NI	NI
02/04/14	8.85	17.07	8.42	11.05	5.26	NI	NI	NI
05/01/14	4.91	11.47	ICE	7.05	1.92	NI	NI	NI
08/05/14	8.40	14.68	6.79	9.21	6.55	NI	NI	NI
05/31/16	6.54	5.23	4.61	4.06	2.56	3.13	12.69	11.81
08/30/16	6.33	13.55	5.09	6.68	7.12	3.50	14.99	14.72
Depth to Water From Ground Surface (feet)								
11/07/13	9.33	DRY	8.20	18.33	6.89	NI	NI	NI
02/04/14	9.36	17.31	8.77	11.29	5.67	NI	NI	NI
05/01/14	5.42	11.71	ICE	7.29	2.33	NI	NI	NI
08/05/14	8.91	14.92	7.14	9.45	6.96	NI	NI	NI
05/31/16	7.05	5.47	4.96	4.30	2.97	3.44	12.87	12.07
08/30/16	6.84	13.79	5.44	6.92	7.53	3.81	15.17	14.98
Groundwater Elevation (feet msl)								
11/07/13	845.39	DRY	846.20	835.13	845.17	NI	NI	NI
02/04/14	845.36	836.66	845.63	842.17	846.39	NI	NI	NI
05/01/14	849.30	842.26	ICE	846.17	849.73	NI	NI	NI
08/05/14	845.81	839.05	847.26	844.01	845.10	NI	NI	NI
05/31/16	847.67	848.50	849.44	849.16	849.09	851.32	836.65	837.41
08/30/16	847.88	840.18	848.96	846.54	844.53	850.95	834.35	834.50

Note: Elevations are presented in feet mean sea level (msl).
ICE = Ice frozen in PVC
NI = Not Installed
NM = Not Measured

A.7 Other

Groundwater NA Indicator Results
Nep's Bar LUST Site BRRTS# 03-04-000980

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)	Methane (ppb)
11/07/13	0.75	7.02	204	9.9	1457	0.7	8.53	<0.06	415	397
02/04/14	0.99	6.48	41	5.0	1334	NS	NS	NS	NS	NS
05/01/14	1.09	6.93	305	1.5	153	NS	NS	NS	NS	NS
08/05/14	0.43	4.24	51	12.1	657	NS	NS	NS	NS	NS
05/31/16	2.96	6.93	269	7.7	336	NS	NS	NS	NS	NS
08/30/16	0.93	6.73	-18	18.9	1887	NS	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300	-
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60	-

(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

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)	Methane (ppb)
11/07/13	DRY									
02/04/14	2.05	6.56	161	4.2	15.4	NS	NS	NS	NS	NS
05/01/14	0.34	6.10	323	7.1	472	NS	NS	NS	NS	NS
08/05/14	1.15	6.28	90	11.1	1146	NS	NS	NS	NS	NS
05/31/16	4.85	6.51	304	9.9	170	NS	NS	NS	NS	NS
08/30/16	2.55	6.93	114	18.5	1201	NS	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300	-
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60	-

(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

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)	Methane (ppb)
11/07/13	1.07	6.59	150	11.9	1123	<0.1	16.8	<0.06	309	10.4
02/04/14	0.42	5.77	113	8.4	1166	NS	NS	NS	NS	NS
05/01/14	ICE FROZEN IN PVC									
08/05/14	0.94	4.27	99	14.7	1205	NS	NS	NS	NS	NS
05/31/16	2.65	6.89	153	9.3	466	NS	NS	NS	NS	NS
08/30/16	1.46	7.09	11	18.4	1617	NS	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES - Bold						10	-	-	300	-
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60	-

(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.7 Other

**Groundwater NA Indicator Results
Nep's Bar LUST Site BRRT's# 03-04-000980**

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)	Methane (ppb)
11/07/13	2.78	7.41	200	7.1	883	0.3	28.3	<0.06	143	1.2
02/04/14	0.99	6.24	166	8.7	905	NS	NS	NS	NS	NS
05/01/14	0.99	6.74	316	5.8	1033	NS	NS	NS	NS	NS
08/05/14	0.67	5.52	175	11.4	1039	NS	NS	NS	NS	NS
05/31/16	4.93	7.28	256	9.2	412	NS	NS	NS	NS	NS
08/30/16	3.78	6.52	214	18.4	1733	NS	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300	-
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60	-

(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

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)	Methane (ppb)
11/07/13	4.42	7.31	196	10.7	768	3.3	22.7	<0.06	122	<1
02/04/14	3.74	7.16	239	2.2	382.4	NS	NS	NS	NS	NS
05/01/14	2.52	6.98	337	4.2	630	NS	NS	NS	NS	NS
08/05/14	2.54	6.14	162	13.9	799	NS	NS	NS	NS	NS
05/31/16	4.29	7.24	258	10.0	276	NS	NS	NS	NS	NS
08/30/16	3.02	6.87	167	18.2	1597	NS	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300	-
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60	-

(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

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)	Methane (ppb)
05/31/16	12.20	6.96	187	10.8	453	NS	NS	NS	NS	NS
08/30/16	4.73	6.76	267	18.0	1116	NS	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300	-
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60	-

(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.7 Other
 Groundwater NA Indicator Results
 Nep's Bar LUST Site BRRT's# 03-04-000980

Well MW-7

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)	Methane (ppb)
05/31/16	5.86	7.15	251	8.3	389	NS	NS	NS	NS	NS
08/30/16	3.46	7.27	198	17.9	1216	NS	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300	-
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60	-

(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-8

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Man-ganese (ppb)	Methane (ppb)
05/31/16	4.43	7.06	193	8.2	350	NS	NS	NS	NS	NS
08/30/16	2.69	7.03	236	18.3	894	NS	NS	NS	NS	NS
ENFORCE MENT STANDARD = ES – Bold						10	-	-	300	-
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60	-

(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.4 Vapor Analytical Table
 Indoor Air Sampling Data Table for Nep's Bar
 BY METCO

Indoor Air Sampling conducted on April 12 & 13, 2016

WDNR
 Residential
 Indoor Air Vapor Action
 Levels for Various VOCs
 Quick Look-Up Table Updated
 May, 2016
 (ug/m³)

Sample ID	V-1		
Benzene – ug/m ³	1.6	3.6	c
Carbon Tetrachloride – ug/m ³	1.5J	4.7	c
Chloroform – ug/m ³	<0.33	1.2	c
Chloromethane – ug/m ³	5.9	94	n
Dichlorodifluoromethane – ug/m ³	2.8	100	n
1,1-Dichloroethane (1,1-DCA) – ug/m ³	<0.27	18	c
1,2-Dichloroethane (1,2-DCA) - ug/m ³	<0.36	1.1	c
1,1-Dichloroethylene (1,1-DCE) – ug/m ³	<0.42	210	n
1,2-Dichloroethylene (cis and trans) - ug/m ³	<1.10	NA	n
Ethylbenzene – ug/m ³	<0.74	11	c
Methylene chloride – ug/m ³	8.4	630	n
Methyl Tert-Butyl Ether (MTBE) – ug/m ³	<0.53	110	c
Naphthalene – ug/m ³	2.9J	0.83	c
Tetrachloroethylene -ug/m ³	<0.49	42	n
Toluene – ug/m ³	2.5	5200	n
1,1,1-Trichloroethane – ug/m ³	<0.43	5200	n
Trichloroethylene – ug/m ³	<0.48	2.1	n
Trichlorofluoromethane (Halcarbon 11) – ug/m ³	1.2J	NA	n
Trimethylbenzene (1,2,4) – ug/m ³	<0.22	7.3	n
Trimethylbenzene (1,3,5) – ug/m ³	<0.32	NA	n
Vinyl chloride – ug/m ³	<0.34	1.7	c
Xylene (total) -ug/m ³	<2.01	100	n

ug/m³ = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

Bold = Exceedence of state standards

c = Carcinogen

Underline = Indoor Residential Air Standard Exceedance

J = between Limit of Detection (LOD) and Limit of Quantitaion (LOQ)

* Please note that other VOCs were detected that are not on the WDNR Indoor Air Vapor Action Levels Qu

B = Compound was found in th blank and sample

E = Result exceeded calibration range

A.4 Vapor Analytical Table
 Sub-Slab Sampling Data Table for Nep's Bar
 BY METCO

Sub-Slab Sampling conducted on April 12 & 13, 2016

WDNR
Residential
Sub-Slab Vapor Action Levels
for Various VOCs
Quick Look-Up Table
Updated May, 2016
(ug/m³)

Sample ID	V-2	V-3	V-4		
Benzene – ug/m ³	0.31J	0.97J	29.1	120	c
Carbon Tetrachloride – ug/m ³	1.2J	1.3J	1.7J	160	c
Chloroform – ug/m ³	<0.33	<0.35	<0.40	40	c
Chloromethane – ug/m ³	<0.19	0.73J	1.7	3100	n
Dichlorodifluoromethane – ug/m ³	2.5	2.7	3.4	3300	n
1,1-Dichloroethane (1,1-DCA) – ug/m ³	<0.27	<0.29	<0.33	600	c
1,2-Dichloroethane (1,2-DCA) – ug/m ³	<0.36	<0.38	<0.43	37	c
1,1-Dichloroethylene (1,1-DCE) – ug/m ³	<0.42	<0.44	<0.50	7000	n
1,2-Dichloroethylene (cis and trans) – ug/m ³	<1.10	<1.14	4.3-5.11	NA	n
Ethylbenzene – ug/m ³	2.2	1.2J	1.8J	370	c
Methylene chloride – ug/m ³	<0.95	<0.99	<1.1	21000	n
Methyl Tert-Butyl Ether (MTBE) – ug/m ³	<0.53	<0.55	<0.64	3700	c
Naphthalene – ug/m ³	67.4	16.1	3.6J	28	c
Tetrachloroethylene -ug/m ³	<0.49	<0.51	2.2	1400	n
Toluene – ug/m ³	1.8	1.7	1.5J	170000	n
1,1,1-Trichloroethane – ug/m ³	<0.43	<0.45	<0.52	170000	n
Trichloroethylene – ug/m ³	6.8	<0.51	<0.59	70	n
Trichlorofluoromethane (Halcarbon 11) – ug/m ³	1.2J	1.2J	1.3J	NA	n
Trimethylbenzene (1,2,4) – ug/m ³	27.8	10.3	1.8J	240	n
Trimethylbenzene (1,3,5) – ug/m ³	5.2	2.4	<0.39	NA	n
Vinyl chloride – ug/m ³	<0.34	<0.36	<0.41	57	c
Xylene (total) -ug/m ³	5.1J	3.0J	<2.44	3300	n

ug/m³ = Micrograms per cubic meter.

< = Less than the reporting limit indicated in parentheses.

Bold = Exceedence of state standards

c = Carcinogen

Underline = Sub-Slab Standard Exceedance

J = between Limit of Detection (LOD) and Limit of Quantitation (LOQ)

* Please note that other VOCs were detected that are not on the WDNR Sub-Slab Vapor Action Levels Quick Look-Up Table.

B = Compound was found in th blank and sample

E = Result exceeded calibration range

Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: Other: _____ Page 1 of 1

Facility / Project Name Nep's Bar		License / Permit / Monitoring Number		Boring Number MW-6	
Boring Drilled By: Name of crew chief (first, last) and Firm First: Todd Last: Knuckey Firm: Range Environmental Drilling		Drilling Date Started 04/13/2016 MM/DD/YYYY		Drilling Date Completed 04/13/2016 MM/DD/YYYY	
Drilling Method Geoprobe/HSA		Final Static Water Level 840 feet		Surface Elevation 850 feet	
Borehole Diameter 8.25 inches		Well Name MW-6		DNR Well ID No. VP370	
Local Grid Origin (estimated X) or Boring Location State Plane N, E NE ¼ of NE ¼ of Section 11, T 47 N, R 06 W		Local Grid Location Lat 46° 34' 24.0" N Long 91° 4' 35.6" W		Feet S Feet W	
Facility ID 804035210		County Bayfield		County Code 4	
Civil Town / City / Village Town of Pilsen (Moquah)					

Sample				Soil Properties																	
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments							
MW-6-1 (0-4 feet)	48 36		2	Gray to tan fine to coarse grained sand with gravel (0-3 feet)	FILL		SEE WELL CONSTRUCTION FORM	1.0		M				No Petro odor							
			4	Red clay (3-4 feet)	CL																
MW-6-2 (4-8 feet)	48 42		6	Red clay	CL										0.9		M				No Petro odor
			8																		
MW-6-3 (8-12 feet)	48 42		10	Red clay	CL										0.9		M/W				No Petro odor
			12																		
MW-6-4 (12-16 feet)	48 48		14	Red clay	CL		0.8		W				No Petro odor								
			16																		
MW-6-5 (16-20 feet)	48 48		18	Red clay	CL		0.8		W				No Petro odor								
			20																		
			20	EOB at 20 feet. Monitoring well MW-6 installed to 20 feet. Did not develop well as it was dry.																	
			22																		
			24																		

I hereby certify that the information on this form is true and correct to the best of my knowledge
Signature: Firm: **METCO**


This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295 and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: Other: _____

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Nep's Bar				MW-7	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Todd Last: Knuckey		04/13/2016		04/13/2016	
Firm: Range Environmental Drilling		MM/DD/YYYY		MM/DD/YYYY	
Drilling Method		Geoprobe/HSA			
WT Unique Well No. DNR Well ID No.		Well Name		Final Static Water Level	
VP371		MW-7		840 feet	
				Surface Elevation	
				850 feet	
				Borehole Diameter	
				8.25 inches	
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E		Lat 46° 34' 24.0" N		N E	
NE ¼ of NE ¼ of Section 11, T 47 N, R 06 W		Long 91° 4' 35.6" W		Feet S Feet W	
Facility ID		County		County Code	
804035210		Bayfield		4	
				Civil Town / City / Village	
				Town of Pilsen (Moquah)	

Sample				Soil Properties											
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments	
MW-7-1 (0-4 feet)	48 36		2	Red clay	CL	SEE WELL CONSTRUCTION FORM		0.7		M				No petro odor	
MW-7-2 (4-8 feet)	48 36		6	Red clay	CL			0.8		M					No petro odor
MW-7-3 (8-12 feet)	48 48		10	Red clay	CL			0.8		M/W					No petro odor
MW-7-4 (12-16 feet)	48 48		14	Red clay	CL			0.8		W					No petro odor
MW-7-5 (16-20 feet)	48 48		18	Red clay	CL			0.7		W					No petro odor
			20	EOB at 20 feet. Monitoring well MW-7 installed to 20 feet. Did not develop well as it was dry.											
			22												
			24												

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature: 

Firm: **METCO**

Route To: _____ Watershed / Wastewater: _____ Waste Management: _____
Remediation / Redevelopment: Other: _____

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Nep's Bar				MW-8
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Todd Last: Knuckey		04/13/2016	04/13/2016	Geoprobe/HSA
Firm: Range Environmental Drilling		MM/DD/YYYY	MM/DD/YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
VP372		MW-8	840 feet	850 feet
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E		Lat 46° 34' 24.0" N	N E	
NE ¼ of NE ¼ of Section 11, T 47 N, R 06 W		Long 91° 4' 35.6" W	Feet S Feet W	
Facility ID		County	County Code	Civil Town / City / Village
804035210		Bayfield	4	Town of Pilsen (Moquah)

Sample				Soil Properties											
Number & Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments	
MW-8-1 (0-4 feet)	48 24		2	Red clay	CL	SEE WELL CONSTRUCTION FORM	SEE WELL CONSTRUCTION FORM	0.9		M				No petro odor	
MW-8-2 (4-8 feet)	48 48		4	Red clay	CL			0.9		M					No petro odor
MW-8-3 (8-12 feet)	48 48		8	Red clay	CL			0.9		M					No petro odor
MW-8-4 (12-16 feet)	48 48		12	Red clay	CL			0.9		W					No petro odor
MW-8-5 (16-20 feet)	48 48		16	Red clay	CL			1.0		W					No petro odor
				EOB at 20 feet. Monitoring well MW-8 installed to 20 feet. Did not develop well as it was dry.											

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature:

Firm: **METCO**

Facility/Project Name: NEP'S Bar Local Grid Location of Well: N. E. S. W. Well Name: MW-6

Facility License, Permit or Monitoring No. Local Grid Origin (estimated:) or Well Location Wis. Unique Well No. DNR Well ID No.

Facility ID: 804035210 Lat. 46° 34' 24" Long. 91° 4' 36" Date Well Installed: _____

Type of Well: _____ Section Location of Waste/Source: _____ Well Installed By: Name (first, last) and Firm: TODD J. Knuckey

Well Code: 11, MW Location of Well Relative to Waste/Source: Upgradient Sidegradient Not Known Gov. Lot Number: _____

Distance from Waste/Source: _____ ft. Apply: d Downgradient n Not Known Range Environmental Drilling

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom 0.50 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe: _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top _____ ft. MSL or _____ ft.

F. Fine sand, top 3 ft. MSL or _____ ft.

G. Filter pack, top 4 ft. MSL or _____ ft.

H. Screen joint, top 5 ft. MSL or _____ ft.

I. Well bottom 20 ft. MSL or _____ ft.

J. Filter pack, bottom 20 ft. MSL or _____ ft.

K. Borehole, bottom 20 ft. MSL or _____ ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.0 in.

N. I.D. well casing 1.9 in.

1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: At-Grade Steel 04
Other

3. Surface seal:
Bentonite 30
Concrete 01
Other

4. Material between well casing and protective pipe:
Bentonite 30
Other

5. Annular space seal:
a. Granular/Chipped Bentonite 33
b. _____ Lbs/gal mud weight ... Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight ... Bentonite slurry 31
d. _____ % Bentonite ... Bentonite-cement grout 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08

6. Bentonite seal:
a. Bentonite granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
c. Other

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 30
b. Volume added 1 Bag

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 15 Bags

9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other

10. Screen material: PVC
a. Screen type: Factory cut 11
Continuous slot 01
Other
b. Manufacturer Johnson
c. Slot size: 0.10 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None 14
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Todd J. Knuckey Firm: Range Environmental Drilling

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name: NEP'S Bar Local Grid Location of Well: _____ ft. N S E W

Facility License, Permit or Monitoring No.: _____ Local Grid Origin (estimated:) or Well Location
Lat. 46° 34' 24" Long. 91° 4' 36" or _____

Facility ID: 804035210 St. Plane _____ ft. N, _____ ft. E, S/C/N

Type of Well: _____ Section Location of Waste/Source: _____ 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. _____ E W

Well Code: 11, MW Location of Well Relative to Waste/Source: u Upgradient s Sidegradient
Source _____ ft. Apply d Downgradient n Not Known Gov. Lot Number _____

Well Name: MW-7 Wis. Unique Well No. _____ DNR Well ID No. _____
Date Well Installed: _____ m / d / y y y y
Well Installed By: Name (first, last) and Firm
TODD J. Knuckey
Range Environmental Drilling

A. Protective pipe, top elevation _____ ft. MSL

B. Well casing, top elevation _____ ft. MSL

C. Land surface elevation 0 ft. MSL

D. Surface seal, bottom 0.50 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis performed? Yes No

14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99

16. Drilling additives used? Yes No

Describe _____

17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top _____ ft. MSL or _____ ft.

F. Fine sand, top 3 ft. MSL or _____ ft.

G. Filter pack, top 4 ft. MSL or _____ ft.

H. Screen joint, top 5 ft. MSL or _____ ft.

I. Well bottom 20 ft. MSL or _____ ft.

J. Filter pack, bottom 20 ft. MSL or _____ ft.

K. Borehole, bottom 20 ft. MSL or _____ ft.

L. Borehole, diameter 8.25 in.

M. O.D. well casing 2.0 in.

N. I.D. well casing 1.9 in.

1. Cap and lock? Yes No

2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: Steel 04
At-Grade Other
d. Additional protection? Yes No
If yes, describe: _____

3. Surface seal: Bentonite 30
Concrete 01
Other

4. Material between well casing and protective pipe:
Bentonite 30
Other

5. Annular space seal:
a. Granular/Chipped Bentonite 33
b. _____ Lbs/gal mud weight _____ Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight _____ Bentonite slurry 31
d. _____ % Bentonite _____ Bentonite-cement grout 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08

6. Bentonite seal:
a. Bentonite granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
c. _____ Other

7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 30
b. Volume added 1 Bag

8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 15 Bags

9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other

10. Screen material: PVC
a. Screen type: Factory cut 11
Continuous slot 01
Other
b. Manufacturer Johnson
c. Slot size: 0.10 in.
d. Slotted length: 15 ft.

11. Backfill material (below filter pack): None 14
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Todd J. Knuckey Firm: Range Environmental Drilling

Please complete both Forms 4400-113A and 4400-113B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

Facility/Project Name: NEP'S Bar Local Grid Location of Well: _____ ft. N. _____ ft. E. _____ ft. S. _____ ft. W. Well Name: MW-8

Facility License, Permit or Monitoring No. _____ Local Grid Origin (estimated:) or Well Location Wis. Unique Well No. _____ DNR Well ID No. _____
Lat. 46° 34' 24" Long. 91° 4' 36" or

Facility ID: 804035210 St. Plane _____ ft. N. _____ ft. E. S/C/N _____ Date Well Installed: _____
Section Location of Waste/Source _____ m m d d ' v v v v

Type of Well: _____ 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. E W Well Installed By: Name (first, last) and Firm
Well Code: 11, MW Location of Well Relative to Waste/Source: u Upgradient s Sidegradient d Downgradient n Not Known Gov. Lot Number _____
Distance from Waste/Source _____ ft. Apply Gov. Lot Number _____ Well Installed By: TODD J. Knuckey
Range Environmental Drilling

A. Protective pipe, top elevation _____ ft. MSL
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom 0.50 ft. MSL or _____ ft.

12. USCS classification of soil near screen:
GP GM GC GW SW SP
SM SC ML MH CL CH
Bedrock

13. Sieve analysis performed? Yes No
14. Drilling method used: Rotary 50
Hollow Stem Auger 41
Other

15. Drilling fluid used: Water 02 Air 01
Drilling Mud 03 None 99
16. Drilling additives used? Yes No
Describe _____
17. Source of water (attach analysis, if required): _____

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ ft.
G. Filter pack, top _____ ft. MSL or _____ ft.
H. Screen joint, top _____ ft. MSL or _____ ft.
I. Well bottom _____ ft. MSL or _____ ft.
J. Filter pack, bottom _____ ft. MSL or _____ ft.
K. Borehole, bottom _____ ft. MSL or _____ ft.
L. Borehole, diameter 8.25 in.
M. O.D. well casing _____ in.
N. I.D. well casing _____ in.

1. Cap and lock? Yes No
2. Protective cover pipe:
a. Inside diameter: _____ in.
b. Length: _____ ft.
c. Material: At-Grade Steel 04
Other
d. Additional protection? Yes No
If yes, describe: _____
3. Surface seal: Bentonite 30
Concrete 01
Other
4. Material between well casing and protective pipe: Bentonite 30
Other
5. Annular space seal: a. Granular/Chipped Bentonite 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight . . . Bentonite slurry 31
d. _____ % Bentonite . . . Bentonite-cement grout 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08
6. Bentonite seal: a. Bentonite granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
c. _____ Other
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 30
b. Volume added 1 Bag
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint 40
b. Volume added 15 Bags
9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other
10. Screen material: PVC
a. Screen type: Factory cut 11
Continuous slot 01
Other
b. Manufacturer Johnson
c. Slot size: 0.10 in.
d. Slotted length: 15 ft.
11. Backfill material (below filter pack): None 14
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature: Todd J. Knuckey Firm: Range Environmental Drilling

Please complete both Forms 4400-113 A and 4400-113 B and return them to the appropriate DNR office and bureau. Completion of these reports is required by chs. 160, 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291, 292, 293, 295, and 299, Wis. Stats., failure to file these forms may result in a forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on these forms is not intended to be used for any other purpose. NOTE: See the instructions for more information, including where the completed forms should be sent.

BRAUN INTERTEC

The Science You Build On.

Indoor Air/Soil Vapor Sampling Log

Project Name: Nep's Bar Project #: B1602930
 Field Personnel: Patrick Carr Contractor: _____
 Date: 4/12/16 - 4/13/16 Weather/Ambient Air Temp: 30°F outside / 65°F indoor
 Sampling Method: Indoor Air Soil Gas Other: _____
 Drilling Method: Push Probe HSA Hand Installation Other: _____
 Sample Locations Recorded with: GPS Field Map Field Sketch Measurements
 (Check all that apply and attach applicable location information)

Sample ID	Time	Canister Vacuum (inches Hg)	Depth (ft)	PID Reading (ppm)	Canister #	Flow Controller #	Sample Location Notes
V-41216	4/12 Start: 9:00am 4/13 Stop: 8:45am	Start: 29 Stop: 8	N/A	0.5	557403 ser.#: 6766	FC0450	approximately center of basement
	Start:	Start:					
	Stop:	Stop:					
	Start:	Start:					
	Stop:	Stop:					
	Start:	Start:					
	Stop:	Stop:					
	Start:	Start:					
	Stop:	Stop:					
	Start:	Start:					
	Stop:	Stop:					
	Start:	Start:					
	Stop:	Stop:					

Additional Observations/Notes:

BRAUN INTERTEC

The Science You Build On.

Vapor Pin® Installation & Soil Vapor Sampling

Project Name: Nep's Bar Project #: B1602930
Field Personnel: Patrick Carr

Equipment: Vapor Pin® Kit with tools Hammer Drill Shop-Vac PID #: _____
Other: _____

Vapor Pin® Installation

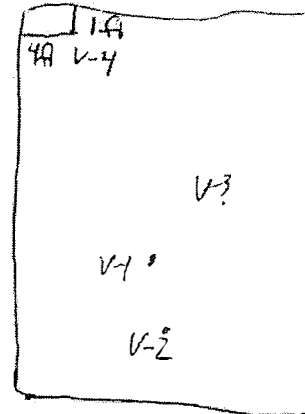
Installation Date: 4/13/16
Installation Type:
 Temporary Permanent
If Permanent, Cover Type:
 Stainless Steel Plastic

Concrete Thickness: 4 inches

- New Silicon Sleeve
 New Vapor Pin® Cap
 Concrete Patch (if temporary)

Comments: _____

Sketch of pin location with measurements to walls



Soil Gas Sampling

Sample Identifier: V-4 Sampling Date: 4/13/16
Sample Depth: Sub-Slab _____ Feet

Purged air prior to sampling with:
 Pump Syringe Other _____
Amount purged: 250 mL

Sampling Canister: 1 Liter 6 Liter
Flow Controller: 200 mL/min Other: _____

	Collection Time:	Canister Vacuum (" Hg):	PID Reading (ppm):
Start:	<u>11:44</u>	<u>30</u>	<u>3.3</u>
End:	<u>12:44</u>	<u>12</u>	Canister #: <u>0208</u>
			Flow Controller #: <u>0653</u>

Additional Comments: leak checked using water dam method

BRAUN INTERTEC

The Science You Build On.

Vapor Pin® Installation & Soil Vapor Sampling

Project Name: Nep's Bar
Field Personnel: Patrick Carr

Project #: 81602930

Equipment: Vapor Pin® Kit with tools Hammer Drill Shop-Vac PID #: _____
Other: _____

Vapor Pin® Installation

Installation Date: 4/13/16

Installation Type:

Temporary Permanent

If Permanent, Cover Type:

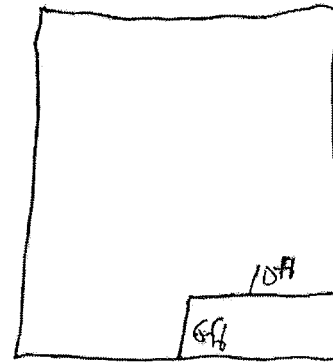
Stainless Steel Plastic

Concrete Thickness: 4 inches

- New Silicon Sleeve
 New Vapor Pin® Cap
 Concrete Patch (if temporary)

Comments: _____

Sketch of pin location with measurements to walls



Soil Gas Sampling

Sample Identifier: V-2 Sampling Date: 4/13/16
Sample Depth: Sub-Slab _____ Feet

Purged air prior to sampling with:

Pump Syringe Other 250ml

Amount purged: 250 ml ml

Sampling Canister: 1 Liter 6 Liter

Flow Controller: 200 mL/min Other: _____

	Collection Time:	Canister Vacuum (" Hg):	PID Reading (ppm):
Start:	<u>10:32</u>	<u>30</u>	<u>115</u>
End:	<u>11:02</u>	<u>9</u>	Canister #: <u>3359 1604</u>
			Flow Controller #: <u>FC0986</u>

Additional Comments: Leak checked using water damper method

BRAUN INTERTEC

The Science You Build On.

Vapor Pin® Installation & Soil Vapor Sampling

Project Name: Nep's Bar
Field Personnel: Patrick Carr

Project #: B1602930

Equipment: Vapor Pin® Kit with tools Hammer Drill Shop-Vac PID #: _____
Other: _____

Vapor Pin® Installation

Installation Date: 4/13/16

Installation Type:

Temporary Permanent

If Permanent, Cover Type:

Stainless Steel Plastic

Concrete Thickness: 4 inches

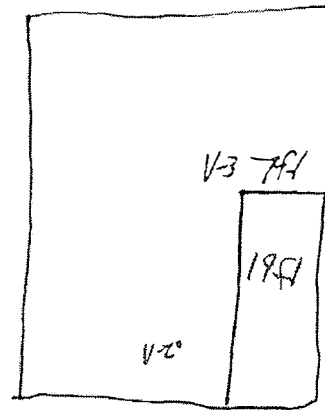
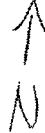
New Silicon Sleeve

New Vapor Pin® Cap

Concrete Patch (if temporary)

Comments: _____

Sketch of pin location with measurements to walls



Soil Gas Sampling

Sample Identifier: V-3 Sampling Date: 4/13/16
Sample Depth: Sub-Slab _____ Feet

Purged air prior to sampling with:

Pump Syringe Other _____

Amount purged: 250 mL

Sampling Canister: 1 Liter 6 Liter

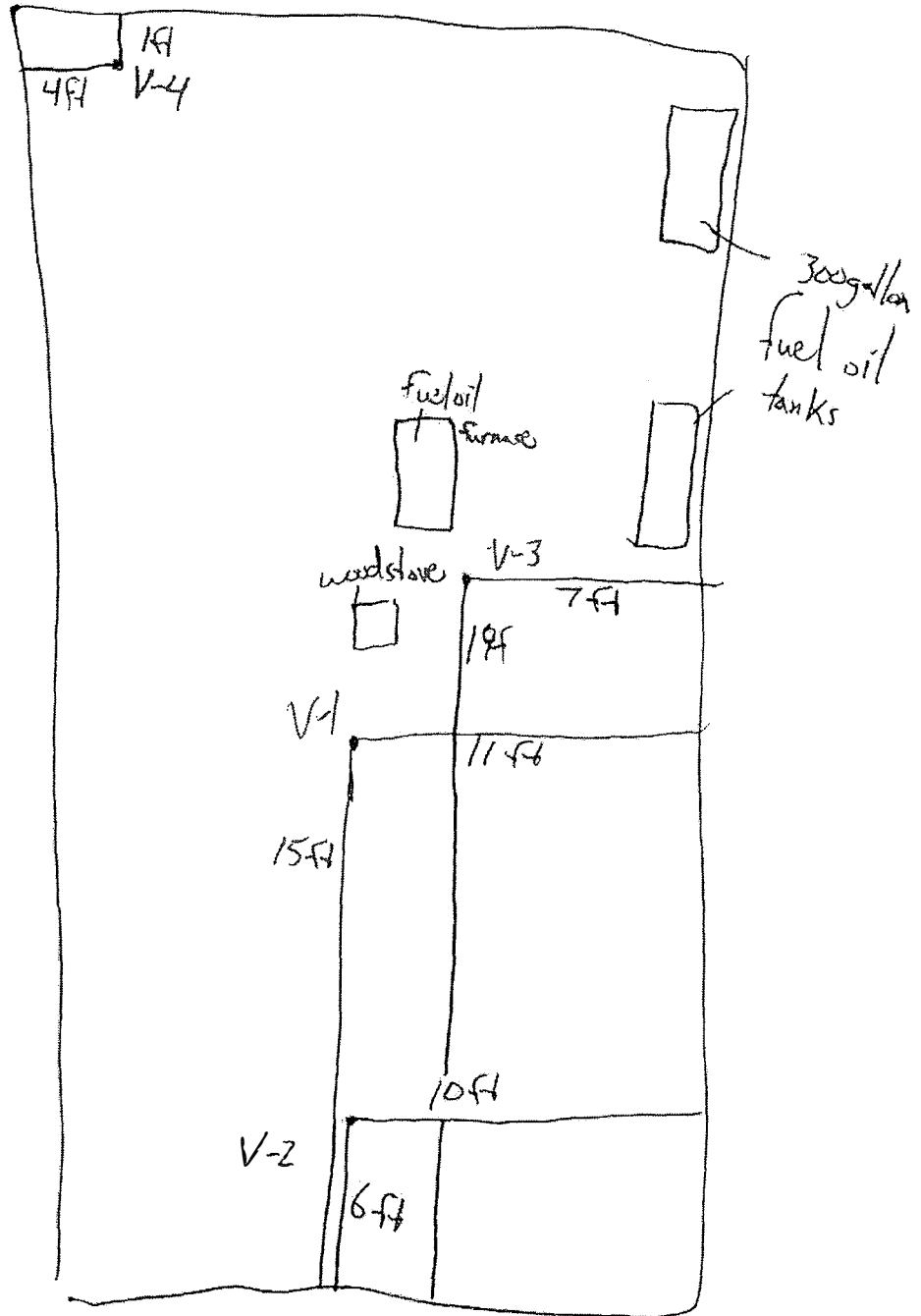
Flow Controller: 200 mL/min Other: _____

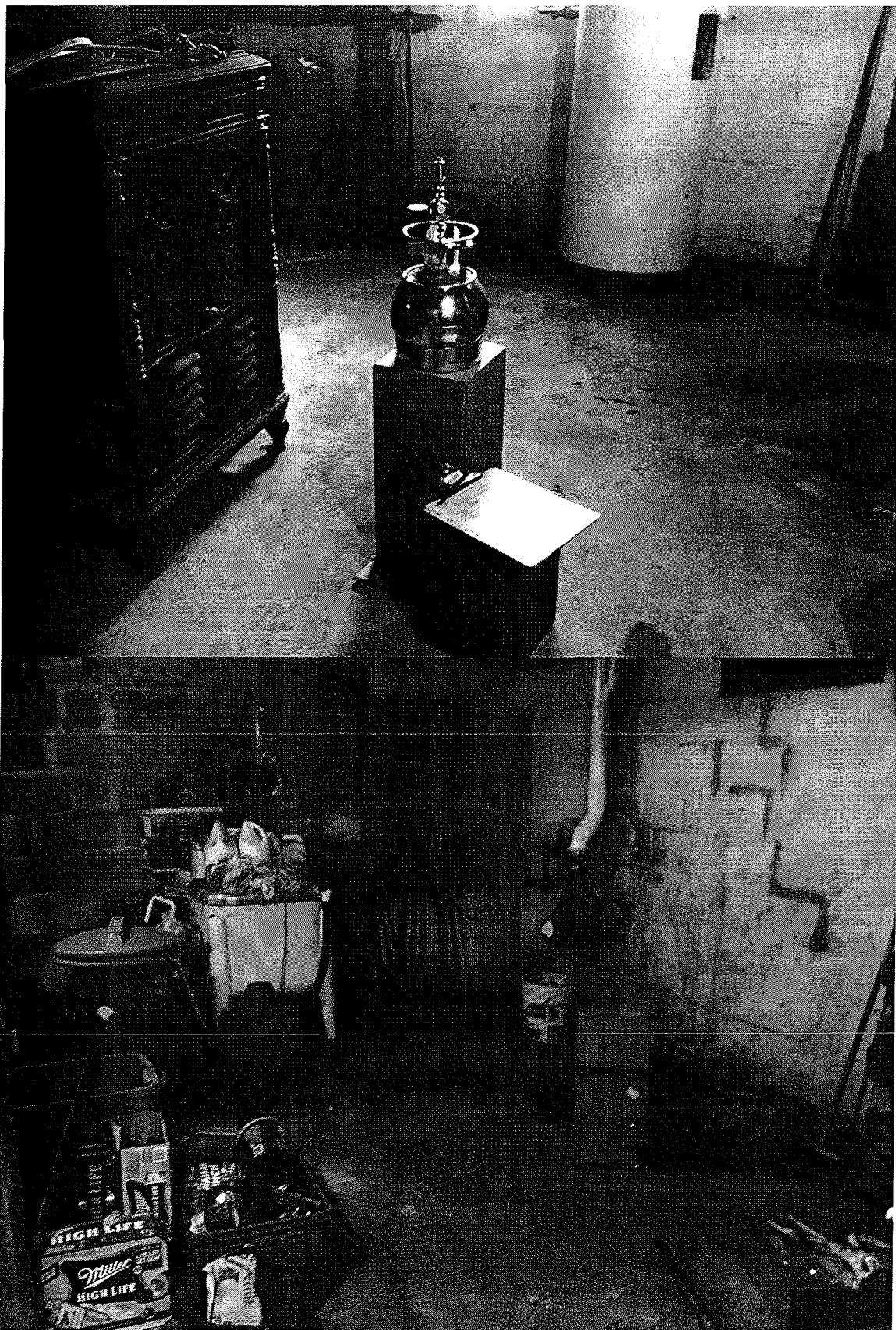
	Collection Time:	Canister Vacuum (" Hg):
Start:	<u>11:07</u>	<u>25</u>
End:	<u>11:37</u>	<u>8</u>

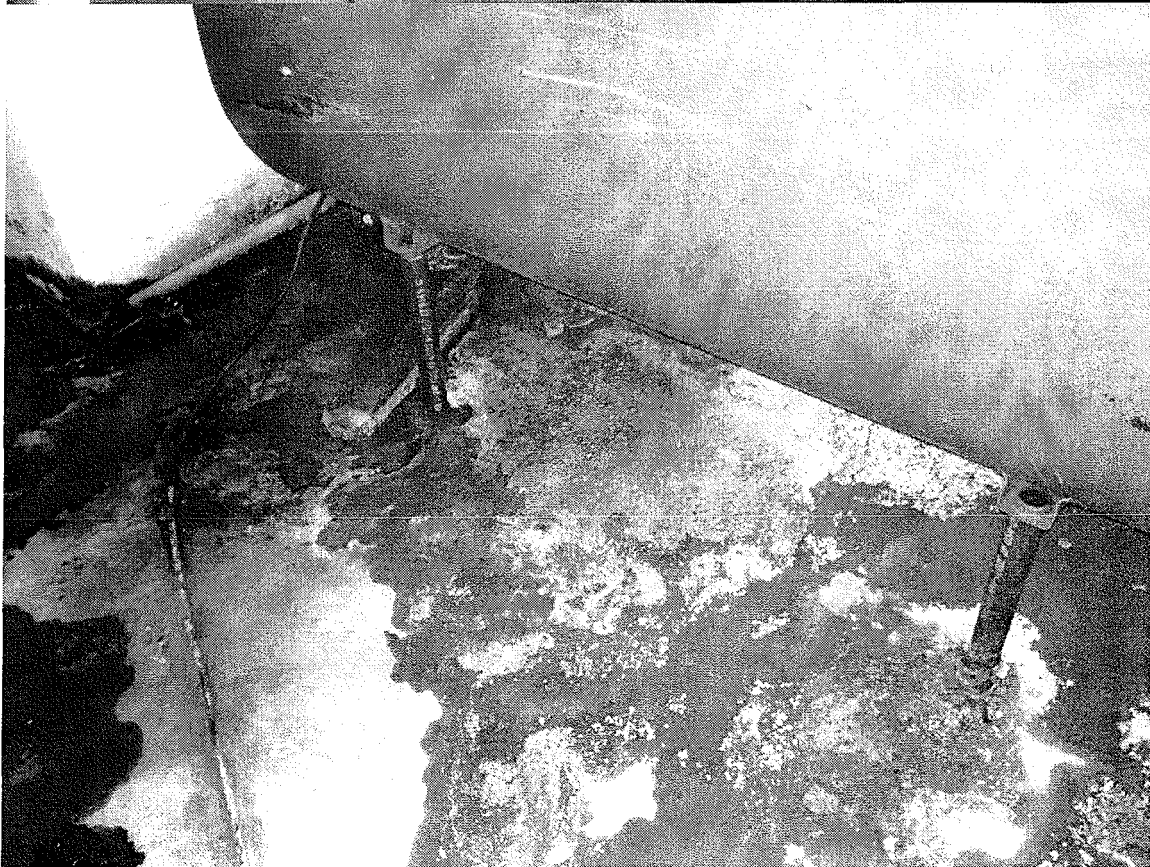
PID Reading (ppm):	<u>15</u>
Canister #:	<u>0556</u>
Flow Controller #:	<u>0784</u>

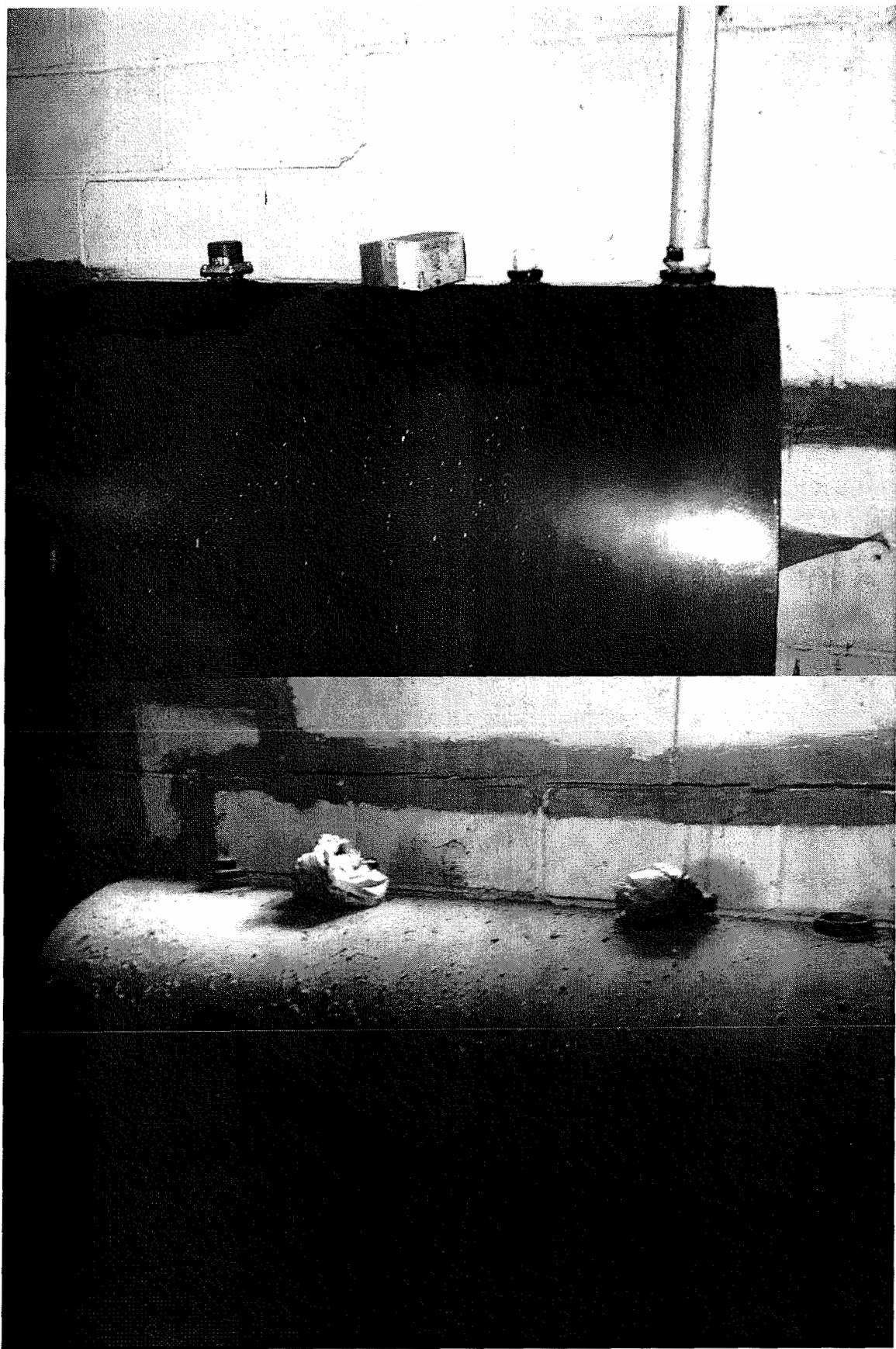
Additional Comments: leak check using water dam method

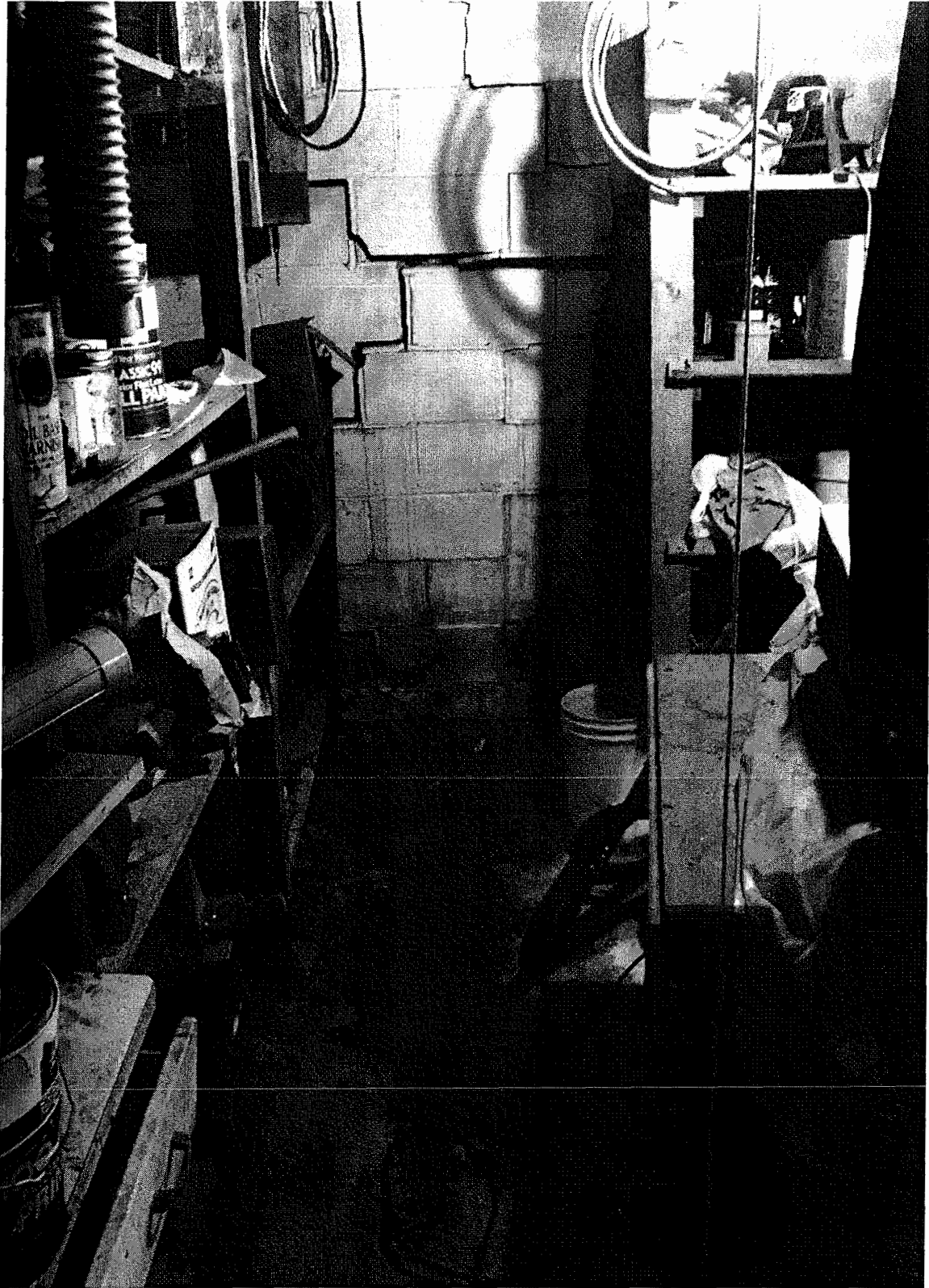
Nep's Bar Basement













Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

MILDRED AUGUSTINE
MILDRED AUGUSTINE C/O KEN KMETZ
26065 CTH G
ASHLAND, WI 54806

Report Date 26-Apr-16

Project Name NEPS BAR

Invoice # E30870

Project #

Lab Code 5030870A

Sample ID MEOH BLANK

Sample Matrix Soil

Sample Date 4/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
GRO/PVOC										
Gasoline Range Organics	< 10	mg/kg	1.8	5.8	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1
Benzene	< 0.025	mg/kg	0.014	0.046	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.014	0.045	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1
Toluene	< 0.025	mg/kg	0.015	0.048	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.011	0.036	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.012	0.038	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.023	0.074	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1
o-Xylene	< 0.025	mg/kg	0.024	0.078	1	GRO95/8021	4/25/2016	4/25/2016	CJR	1

Project Name NEPS BAR
Project #

Invoice # E30870

Lab Code 5030870B
Sample ID MW-7-5
Sample Matrix Soil
Sample Date 4/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	80.6	%				I 5021		4/18/2016	NJC	I
Organic										
General										
Gasoline Range Organics	< 10	mg/kg	1.8	5.8	I	GRO95/8021		4/25/2016	CJR	I
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.016	mg/kg	0.016	0.049	I	8260B		4/20/2016	CJR	I
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	I	8260B		4/20/2016	CJR	I
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	I	8260B		4/20/2016	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	I	8260B		4/20/2016	CJR	I
Naphthalene	< 0.087	mg/kg	0.087	0.28	I	8260B		4/20/2016	CJR	I
Toluene	< 0.031	mg/kg	0.031	0.099	I	8260B		4/20/2016	CJR	I
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	I	8260B		4/20/2016	CJR	I
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	I	8260B		4/20/2016	CJR	I
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	I	8260B		4/20/2016	CJR	I
o-Xylene	< 0.029	mg/kg	0.029	0.092	I	8260B		4/20/2016	CJR	I

Lab Code 5030870C
Sample ID MW-8-5
Sample Matrix Soil
Sample Date 4/13/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	77.2	%				I 5021		4/18/2016	NJC	I
Organic										
General										
Gasoline Range Organics	< 10	mg/kg	1.8	5.8	I	GRO95/8021		4/25/2016	CJR	I
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.016	mg/kg	0.016	0.049	I	8260B		4/20/2016	CJR	I
1,2-Dichloroethane	< 0.03	mg/kg	0.03	0.096	I	8260B		4/20/2016	CJR	I
Ethylbenzene	< 0.027	mg/kg	0.027	0.086	I	8260B		4/20/2016	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.025	0.078	I	8260B		4/20/2016	CJR	I
Naphthalene	< 0.087	mg/kg	0.087	0.28	I	8260B		4/20/2016	CJR	I
Toluene	< 0.031	mg/kg	0.031	0.099	I	8260B		4/20/2016	CJR	I
1,2,4-Trimethylbenzene	< 0.078	mg/kg	0.078	0.25	I	8260B		4/20/2016	CJR	I
1,3,5-Trimethylbenzene	< 0.089	mg/kg	0.089	0.28	I	8260B		4/20/2016	CJR	I
m&p-Xylene	< 0.07	mg/kg	0.07	0.22	I	8260B		4/20/2016	CJR	I
o-Xylene	< 0.029	mg/kg	0.029	0.092	I	8260B		4/20/2016	CJR	I

Project Name NEPS BAR
Project #

Invoice # E30870

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

Synergy

Chain # NE 287

Page 1 of 1

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)
 Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: _____
Sampler: (signature) _____

Project (Name / Location): Neps Bar
Reports To: Mildred Augustine Invoice To: Mildred Augustine
Company: _____ Company: c/o METCO
Address: 23885 County Hwy G Address: 709 Gillette St, Ste 3
City State Zip: Ashland, WI 54806 City State Zip: La Crosse, WI 54603
Phone: (715) 746-2327 Phone: (608) 781-8879
FAX: _____ FAX: 8893

Analysis Requested										Other Analysis					
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRAMETALS	8-PCRAMETALS	PID/ FID
														<u>Napthalene + 1,2-DCB</u>	

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
<u>S030870A</u>	<u>Meth Blank</u>	<u>4/13</u>					<u>1</u>		<u>Meth</u>
	<u>B MW-7-5</u>	<u>↓</u>	<u>2:30</u>		<u>X</u>		<u>2</u>	<u>S</u>	<u>↓</u>
	<u>C MW-8-5</u>	<u>↓</u>	<u>5:30</u>		<u>X</u>		<u>2</u>	<u>S</u>	<u>↓</u>

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of report to METCO,
Use C Rates
Agent Status No charge meth blank

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Perk
Temp. of Temp. Blank _____ °C On Ice: X
Cooler seal intact upon receipt: X Yes _____ No

Relinquished By: (sign) _____ Time: 9:35 AM Date: 4/15/16
Received By: (sign) _____ Time: _____ Date: _____
Received in Laboratory By: Christina Time: 11:00 Date: 4/16/16



Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

April 21, 2016

Kevin Nestingen
Braun WI
2309 Palace St
La Crosse, WI 54603

RE: Project: B1602930 Nep's Bar
Pace Project No.: 10344742

Dear Kevin Nestingen:

Enclosed are the analytical results for sample(s) received by the laboratory on April 14, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nathan Boberg
nathan.boberg@pacelabs.com
Project Manager

Enclosures

cc: Erin Campbell, Braun Intertec
Mark Keefer, Braun Intertec



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: B1602930 Nep's Bar
Pace Project No.: 10344742

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909

Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: B1602930 Nep's Bar
Pace Project No.: 10344742

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10344742001	V-1	Air	04/13/16 08:45	04/14/16 10:00
10344742002	V-2	Air	04/13/16 11:02	04/14/16 10:00
10344742003	V-3	Air	04/13/16 11:37	04/14/16 10:00
10344742004	V-4	Air	04/13/16 12:14	04/14/16 10:00

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: B1602930 Nep's Bar
Pace Project No.: 10344742

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10344742001	V-1	TO-15	NCK	71
10344742002	V-2	TO-15	NCK	61
10344742003	V-3	TO-15	NCK	70
10344742004	V-4	TO-15	NCK	68

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: B1602930 Nep's Bar
Pace Project No.: 10344742

Method: TO-15
Description: TO15 MSVAIR (TICS)
Client: Braun-Air
Date: April 21, 2016

General Information:

4 samples were analyzed for TO-15. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

QC Batch: AIR/25711

SS: This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

- BLANK (Lab ID: 2233747)
 - Propylene
- LCS (Lab ID: 2233748)
 - Propylene
- V-1 (Lab ID: 10344742001)
 - Propylene
- V-2 (Lab ID: 10344742002)
 - Propylene
- V-3 (Lab ID: 10344742003)
 - Propylene
- V-4 (Lab ID: 10344742004)
 - Propylene

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: B1602930 Nep's Bar
 Pace Project No.: 10344742

Sample: V-1 Lab ID: 10344742001 Collected: 04/13/16 08:45 Received: 04/14/16 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR (TICS)		Analytical Method: TO-15							
Acetone	8.8	ug/m3	4.2	1.5	1.75		04/19/16 00:58	67-64-1	
Benzene	1.6	ug/m3	1.1	0.21	1.75		04/19/16 00:58	71-43-2	
Benzyl chloride	<0.29	ug/m3	4.6	0.29	1.75		04/19/16 00:58	100-44-7	
Bromodichloromethane	<0.34	ug/m3	2.4	0.34	1.75		04/19/16 00:58	75-27-4	
Bromoform	<1.6	ug/m3	3.7	1.6	1.75		04/19/16 00:58	75-25-2	
Bromomethane	<0.54	ug/m3	1.4	0.54	1.75		04/19/16 00:58	74-83-9	
1,3-Butadiene	<0.31	ug/m3	0.79	0.31	1.75		04/19/16 00:58	106-99-0	
2-Butanone (MEK)	3.1J	ug/m3	5.2	0.40	1.75		04/19/16 00:58	78-93-3	
Carbon disulfide	<0.18	ug/m3	1.1	0.18	1.75		04/19/16 00:58	75-15-0	
Carbon tetrachloride	1.5J	ug/m3	2.2	0.34	1.75		04/19/16 00:58	56-23-5	
Chlorobenzene	<0.23	ug/m3	1.6	0.23	1.75		04/19/16 00:58	108-90-7	
Chloroethane	<0.34	ug/m3	0.94	0.34	1.75		04/19/16 00:58	75-00-3	
Chloroform	<0.33	ug/m3	1.7	0.33	1.75		04/19/16 00:58	67-66-3	
Chloromethane	5.9	ug/m3	0.74	0.19	1.75		04/19/16 00:58	74-87-3	
Cyclohexane	4.3	ug/m3	1.2	0.55	1.75		04/19/16 00:58	110-82-7	
Dibromochloromethane	<1.5	ug/m3	3.0	1.5	1.75		04/19/16 00:58	124-48-1	
1,2-Dibromoethane (EDB)	<1.4	ug/m3	2.7	1.4	1.75		04/19/16 00:58	106-93-4	
1,2-Dichlorobenzene	<0.90	ug/m3	2.1	0.90	1.75		04/19/16 00:58	95-50-1	
1,3-Dichlorobenzene	<0.93	ug/m3	2.1	0.93	1.75		04/19/16 00:58	541-73-1	
1,4-Dichlorobenzene	<0.87	ug/m3	2.1	0.87	1.75		04/19/16 00:58	106-46-7	
Dichlorodifluoromethane	2.8	ug/m3	1.8	0.84	1.75		04/19/16 00:58	75-71-8	
1,1-Dichloroethane	<0.27	ug/m3	1.4	0.27	1.75		04/19/16 00:58	75-34-3	
1,2-Dichloroethane	<0.36	ug/m3	0.72	0.36	1.75		04/19/16 00:58	107-06-2	
1,1-Dichloroethene	<0.42	ug/m3	3.5	0.42	1.75		04/19/16 00:58	75-35-4	
cis-1,2-Dichloroethene	<0.43	ug/m3	1.4	0.43	1.75		04/19/16 00:58	156-59-2	
trans-1,2-Dichloroethene	<0.67	ug/m3	1.4	0.67	1.75		04/19/16 00:58	156-60-5	
1,2-Dichloropropane	<0.47	ug/m3	1.6	0.47	1.75		04/19/16 00:58	78-87-5	
cis-1,3-Dichloropropene	<0.65	ug/m3	4.0	0.65	1.75		04/19/16 00:58	10061-01-5	
trans-1,3-Dichloropropene	<0.46	ug/m3	4.0	0.46	1.75		04/19/16 00:58	10061-02-6	
Dichlorotetrafluoroethane	<0.54	ug/m3	2.5	0.54	1.75		04/19/16 00:58	76-14-2	
Ethanol	10.4	ug/m3	3.4	0.46	1.75		04/19/16 00:58	64-17-5	
Ethyl acetate	0.81J	ug/m3	1.3	0.61	1.75		04/19/16 00:58	141-78-6	
Ethylbenzene	<0.74	ug/m3	1.5	0.74	1.75		04/19/16 00:58	100-41-4	
4-Ethyltoluene	<0.33	ug/m3	1.8	0.33	1.75		04/19/16 00:58	622-96-8	
n-Heptane	2.5	ug/m3	1.5	0.49	1.75		04/19/16 00:58	142-82-5	
Hexachloro-1,3-butadiene	<1.1	ug/m3	19.0	1.1	1.75		04/19/16 00:58	87-68-3	
n-Hexane	10.5	ug/m3	1.3	0.62	1.75		04/19/16 00:58	110-54-3	
2-Hexanone	<0.72	ug/m3	7.3	0.72	1.75		04/19/16 00:58	591-78-6	
Methylene Chloride	8.4	ug/m3	6.2	0.95	1.75		04/19/16 00:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.38	ug/m3	7.3	0.38	1.75		04/19/16 00:58	108-10-1	
Methyl-tert-butyl ether	<0.53	ug/m3	6.4	0.53	1.75		04/19/16 00:58	1634-04-4	
Naphthalene	2.9J	ug/m3	9.3	0.53	1.75		04/19/16 00:58	91-20-3	
2-Propanol	<0.42	ug/m3	4.4	0.42	1.75		04/19/16 00:58	67-63-0	
Propylene	<0.24	ug/m3	1.5	0.24	1.75		04/19/16 00:58	115-07-1	SS
Styrene	<0.34	ug/m3	1.5	0.34	1.75		04/19/16 00:58	100-42-5	
1,1,2,2-Tetrachloroethane	<0.58	ug/m3	1.2	0.58	1.75		04/19/16 00:58	79-34-5	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: B1602930 Nep's Bar
 Pace Project No.: 10344742

Sample: V-1 Lab ID: 10344742001 Collected: 04/13/16 08:45 Received: 04/14/16 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR (TICS)		Analytical Method: TO-15							
Tetrachloroethene	<0.49	ug/m3	1.2	0.49	1.75		04/19/16 00:58	127-18-4	
Tetrahydrofuran	<0.21	ug/m3	2.6	0.21	1.75		04/19/16 00:58	109-99-9	
Toluene	2.5	ug/m3	1.3	0.27	1.75		04/19/16 00:58	108-88-3	
1,2,4-Trichlorobenzene	<1.6	ug/m3	13.2	1.6	1.75		04/19/16 00:58	120-82-1	
1,1,1-Trichloroethane	<0.43	ug/m3	1.9	0.43	1.75		04/19/16 00:58	71-55-6	
1,1,2-Trichloroethane	<0.43	ug/m3	0.96	0.43	1.75		04/19/16 00:58	79-00-5	
Trichloroethene	<0.48	ug/m3	0.96	0.48	1.75		04/19/16 00:58	79-01-6	
Trichlorofluoromethane	1.2J	ug/m3	2.0	0.23	1.75		04/19/16 00:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.53	ug/m3	2.8	0.53	1.75		04/19/16 00:58	76-13-1	
1,2,4-Trimethylbenzene	<0.22	ug/m3	1.7	0.22	1.75		04/19/16 00:58	95-63-6	
1,3,5-Trimethylbenzene	<0.32	ug/m3	1.7	0.32	1.75		04/19/16 00:58	108-67-8	
Vinyl acetate	3.3	ug/m3	3.1	0.58	1.75		04/19/16 00:58	108-05-4	
Vinyl chloride	<0.34	ug/m3	0.46	0.34	1.75		04/19/16 00:58	75-01-4	
m&p-Xylene	<1.4	ug/m3	3.1	1.4	1.75		04/19/16 00:58	179601-23-1	
o-Xylene	<0.61	ug/m3	1.5	0.61	1.75		04/19/16 00:58	95-47-6	
Tentatively Identified Compounds									
Unknown	28.3	ppbv			1.75		04/19/16 00:58		N
Pentane, 2-methyl-	2.1	ppbv			1.75		04/19/16 00:58	107-83-5	N
Unknown	0.064	ppbv			1.75		04/19/16 00:58		N
Hexane, 3-methyl-	0.64	ppbv			1.75		04/19/16 00:58	589-34-4	N
Pentane, 2,3,4-trimethyl	0.37	ppbv			1.75		04/19/16 00:58	565-75-3	N
Unknown	0.28	ppbv			1.75		04/19/16 00:58		N
Cyclotrisiloxane, hexame	1.0	ppbv			1.75		04/19/16 00:58	541-05-9	N
Unknown	0.37	ppbv			1.75		04/19/16 00:58		N
3-Heptanone	0.77	ppbv			1.75		04/19/16 00:58	106-35-4	N
Unknown	0.20	ppbv			1.75		04/19/16 00:58		N

Sample: V-2 Lab ID: 10344742002 Collected: 04/13/16 11:02 Received: 04/14/16 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR (TICS)		Analytical Method: TO-15							
Acetone	12.6	ug/m3	4.2	1.5	1.75		04/19/16 01:31	67-64-1	
Benzene	0.31J	ug/m3	1.1	0.21	1.75		04/19/16 01:31	71-43-2	
Benzyl chloride	<0.29	ug/m3	4.6	0.29	1.75		04/19/16 01:31	100-44-7	
Bromodichloromethane	<0.34	ug/m3	2.4	0.34	1.75		04/19/16 01:31	75-27-4	
Bromoform	<1.6	ug/m3	3.7	1.6	1.75		04/19/16 01:31	75-25-2	
Bromomethane	<0.54	ug/m3	1.4	0.54	1.75		04/19/16 01:31	74-83-9	
1,3-Butadiene	<0.31	ug/m3	0.79	0.31	1.75		04/19/16 01:31	106-99-0	
2-Butanone (MEK)	<0.40	ug/m3	5.2	0.40	1.75		04/19/16 01:31	78-93-3	
Carbon disulfide	<0.18	ug/m3	1.1	0.18	1.75		04/19/16 01:31	75-15-0	
Carbon tetrachloride	1.2J	ug/m3	2.2	0.34	1.75		04/19/16 01:31	56-23-5	
Chlorobenzene	<0.23	ug/m3	1.6	0.23	1.75		04/19/16 01:31	108-90-7	
Chloroethane	<0.34	ug/m3	0.94	0.34	1.75		04/19/16 01:31	75-00-3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: B1602930 Nep's Bar
 Pace Project No.: 10344742

Sample: V-2 Lab ID: 10344742002 Collected: 04/13/16 11:02 Received: 04/14/16 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR (TICS)		Analytical Method: TO-15							
Vinyl chloride	<0.34	ug/m3	0.46	0.34	1.75		04/19/16 01:31	75-01-4	
m&p-Xylene	3.1J	ug/m3	3.1	1.4	1.75		04/19/16 01:31	179601-23-1	
o-Xylene	2.0	ug/m3	1.5	0.61	1.75		04/19/16 01:31	95-47-6	

Sample: V-3 Lab ID: 10344742003 Collected: 04/13/16 11:37 Received: 04/14/16 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR (TICS)		Analytical Method: TO-15							
Acetone	11.6	ug/m3	4.4	1.5	1.83		04/19/16 02:03	67-64-1	
Benzene	0.97J	ug/m3	1.2	0.22	1.83		04/19/16 02:03	71-43-2	
Benzyl chloride	<0.30	ug/m3	4.8	0.30	1.83		04/19/16 02:03	100-44-7	
Bromodichloromethane	<0.36	ug/m3	2.5	0.36	1.83		04/19/16 02:03	75-27-4	
Bromoform	<1.6	ug/m3	3.8	1.6	1.83		04/19/16 02:03	75-25-2	
Bromomethane	<0.57	ug/m3	1.4	0.57	1.83		04/19/16 02:03	74-83-9	
1,3-Butadiene	<0.32	ug/m3	0.82	0.32	1.83		04/19/16 02:03	106-99-0	
2-Butanone (MEK)	1.4J	ug/m3	5.5	0.42	1.83		04/19/16 02:03	78-93-3	
Carbon disulfide	<0.18	ug/m3	1.2	0.18	1.83		04/19/16 02:03	75-15-0	
Carbon tetrachloride	1.3J	ug/m3	2.3	0.35	1.83		04/19/16 02:03	56-23-5	
Chlorobenzene	<0.25	ug/m3	1.7	0.25	1.83		04/19/16 02:03	108-90-7	
Chloroethane	<0.36	ug/m3	0.99	0.36	1.83		04/19/16 02:03	75-00-3	
Chloroform	<0.35	ug/m3	1.8	0.35	1.83		04/19/16 02:03	67-66-3	
Chloromethane	0.73J	ug/m3	0.77	0.20	1.83		04/19/16 02:03	74-87-3	
Cyclohexane	1.4	ug/m3	1.3	0.58	1.83		04/19/16 02:03	110-82-7	
Dibromochloromethane	<1.6	ug/m3	3.2	1.6	1.83		04/19/16 02:03	124-48-1	
1,2-Dibromoethane (EDB)	<1.4	ug/m3	2.9	1.4	1.83		04/19/16 02:03	106-93-4	
1,2-Dichlorobenzene	<0.94	ug/m3	2.2	0.94	1.83		04/19/16 02:03	95-50-1	
1,3-Dichlorobenzene	<0.97	ug/m3	2.2	0.97	1.83		04/19/16 02:03	541-73-1	
1,4-Dichlorobenzene	<0.91	ug/m3	2.2	0.91	1.83		04/19/16 02:03	106-46-7	
Dichlorodifluoromethane	2.7	ug/m3	1.8	0.88	1.83		04/19/16 02:03	75-71-8	
1,1-Dichloroethane	<0.29	ug/m3	1.5	0.29	1.83		04/19/16 02:03	75-34-3	
1,2-Dichloroethane	<0.38	ug/m3	0.75	0.38	1.83		04/19/16 02:03	107-06-2	
1,1-Dichloroethene	<0.44	ug/m3	3.7	0.44	1.83		04/19/16 02:03	75-35-4	
cis-1,2-Dichloroethene	<0.45	ug/m3	1.5	0.45	1.83		04/19/16 02:03	156-59-2	
trans-1,2-Dichloroethene	<0.70	ug/m3	1.5	0.70	1.83		04/19/16 02:03	156-60-5	
1,2-Dichloropropane	<0.49	ug/m3	1.7	0.49	1.83		04/19/16 02:03	78-87-5	
cis-1,3-Dichloropropene	<0.68	ug/m3	4.2	0.68	1.83		04/19/16 02:03	10061-01-5	
trans-1,3-Dichloropropene	<0.48	ug/m3	4.2	0.48	1.83		04/19/16 02:03	10061-02-6	
Dichlorotetrafluoroethane	<0.57	ug/m3	2.6	0.57	1.83		04/19/16 02:03	76-14-2	
Ethanol	27.9	ug/m3	3.5	0.48	1.83		04/19/16 02:03	64-17-5	
Ethyl acetate	0.75J	ug/m3	1.3	0.64	1.83		04/19/16 02:03	141-78-6	
Ethylbenzene	1.2J	ug/m3	1.6	0.78	1.83		04/19/16 02:03	100-41-4	
4-Ethyltoluene	1.2J	ug/m3	1.8	0.34	1.83		04/19/16 02:03	622-96-8	
n-Heptane	<0.51	ug/m3	1.5	0.51	1.83		04/19/16 02:03	142-82-5	

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ANALYTICAL RESULTS

Project: B1602930 Nep's Bar

Pace Project No.: 10344742

Sample: V-3 **Lab ID: 10344742003** Collected: 04/13/16 11:37 Received: 04/14/16 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR (TICS)		Analytical Method: TO-15							
Hexachloro-1,3-butadiene	<1.2	ug/m3	19.9	1.2	1.83		04/19/16 02:03	87-68-3	
n-Hexane	2.0	ug/m3	1.3	0.65	1.83		04/19/16 02:03	110-54-3	
2-Hexanone	<0.75	ug/m3	7.6	0.75	1.83		04/19/16 02:03	591-78-6	
Methylene Chloride	<0.99	ug/m3	6.5	0.99	1.83		04/19/16 02:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	<0.40	ug/m3	7.6	0.40	1.83		04/19/16 02:03	108-10-1	
Methyl-tert-butyl ether	<0.55	ug/m3	6.7	0.55	1.83		04/19/16 02:03	1634-04-4	
Naphthalene	16.1	ug/m3	9.8	0.56	1.83		04/19/16 02:03	91-20-3	
2-Propanol	179	ug/m3	4.6	0.44	1.83		04/19/16 02:03	67-63-0	
Propylene	<0.25	ug/m3	1.6	0.25	1.83		04/19/16 02:03	115-07-1	SS
Styrene	16.4	ug/m3	1.6	0.35	1.83		04/19/16 02:03	100-42-5	
1,1,2,2-Tetrachloroethane	<0.60	ug/m3	1.3	0.60	1.83		04/19/16 02:03	79-34-5	
Tetrachloroethene	<0.51	ug/m3	1.3	0.51	1.83		04/19/16 02:03	127-18-4	
Tetrahydrofuran	2.3J	ug/m3	2.7	0.22	1.83		04/19/16 02:03	109-99-9	
Toluene	1.7	ug/m3	1.4	0.28	1.83		04/19/16 02:03	108-88-3	
1,2,4-Trichlorobenzene	<1.7	ug/m3	13.8	1.7	1.83		04/19/16 02:03	120-82-1	
1,1,1-Trichloroethane	<0.45	ug/m3	2.0	0.45	1.83		04/19/16 02:03	71-55-6	
1,1,2-Trichloroethane	<0.45	ug/m3	1.0	0.45	1.83		04/19/16 02:03	79-00-5	
Trichloroethene	<0.51	ug/m3	1.0	0.51	1.83		04/19/16 02:03	79-01-6	
Trichlorofluoromethane	1.2J	ug/m3	2.1	0.24	1.83		04/19/16 02:03	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.55	ug/m3	2.9	0.55	1.83		04/19/16 02:03	76-13-1	
1,2,4-Trimethylbenzene	10.3	ug/m3	1.8	0.23	1.83		04/19/16 02:03	95-63-6	
1,3,5-Trimethylbenzene	2.4	ug/m3	1.8	0.33	1.83		04/19/16 02:03	108-67-8	
Vinyl acetate	1.3J	ug/m3	3.3	0.60	1.83		04/19/16 02:03	108-05-4	
Vinyl chloride	<0.36	ug/m3	0.48	0.36	1.83		04/19/16 02:03	75-01-4	
m&p-Xylene	1.9J	ug/m3	3.2	1.4	1.83		04/19/16 02:03	179601-23-1	
o-Xylene	1.1J	ug/m3	1.6	0.64	1.83		04/19/16 02:03	95-47-6	
Tentatively Identified Compounds									
Unknown	67.1	ppbv			1.83		04/19/16 02:03		N
Unknown	0.034	ppbv			1.83		04/19/16 02:03		N
Propane, 2,2-dimethyl-	0.028	ppbv			1.83		04/19/16 02:03	463-82-1	N
Cyclohexane-d12	0.89	ppbv			1.83		04/19/16 02:03	1735-17-7	N
Unknown	0.0040	ppbv			1.83		04/19/16 02:03		N
Hexanal	0.18	ppbv			1.83		04/19/16 02:03	66-25-1	N
Unknown	0.26	ppbv			1.83		04/19/16 02:03		N
Octane, 4-methyl-	0.22	ppbv			1.83		04/19/16 02:03	2216-34-4	N
Unknown	11.0	ppbv			1.83		04/19/16 02:03		N

Sample: V-4 **Lab ID: 10344742004** Collected: 04/13/16 12:14 Received: 04/14/16 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR (TICS)		Analytical Method: TO-15							
Acetone	7.2	ug/m3	5.1	1.8	2.12		04/19/16 02:34	67-64-1	
Benzene	29.1	ug/m3	1.4	0.26	2.12		04/19/16 02:34	71-43-2	

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ANALYTICAL RESULTS

Project: B1602930 Nep's Bar
 Pace Project No.: 10344742

Sample: V-4 Lab ID: 10344742004 Collected: 04/13/16 12:14 Received: 04/14/16 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR (TICS)		Analytical Method: TO-15							
Toluene	1.5J	ug/m3	1.6	0.33	2.12		04/19/16 02:34	108-88-3	
1,2,4-Trichlorobenzene	<1.9	ug/m3	16.0	1.9	2.12		04/19/16 02:34	120-82-1	
1,1,1-Trichloroethane	<0.52	ug/m3	2.4	0.52	2.12		04/19/16 02:34	71-55-6	
1,1,2-Trichloroethane	<0.52	ug/m3	1.2	0.52	2.12		04/19/16 02:34	79-00-5	
Trichloroethene	<0.59	ug/m3	1.2	0.59	2.12		04/19/16 02:34	79-01-6	
Trichlorofluoromethane	1.3J	ug/m3	2.4	0.28	2.12		04/19/16 02:34	75-69-4	
1,1,2-Trichlorotrifluoroethane	<0.64	ug/m3	3.4	0.64	2.12		04/19/16 02:34	76-13-1	
1,2,4-Trimethylbenzene	1.8J	ug/m3	2.1	0.26	2.12		04/19/16 02:34	95-63-6	
1,3,5-Trimethylbenzene	<0.39	ug/m3	2.1	0.39	2.12		04/19/16 02:34	108-67-8	
Vinyl acetate	10	ug/m3	3.8	0.70	2.12		04/19/16 02:34	108-05-4	
Vinyl chloride	<0.41	ug/m3	0.55	0.41	2.12		04/19/16 02:34	75-01-4	
m&p-Xylene	<1.7	ug/m3	3.8	1.7	2.12		04/19/16 02:34	179601-23-1	
o-Xylene	<0.74	ug/m3	1.9	0.74	2.12		04/19/16 02:34	95-47-6	
Tentatively Identified Compounds									
Unknown	0.0053	ppbv			2.12		04/19/16 02:34		N
Unknown	0.0036	ppbv			2.12		04/19/16 02:34		N
Unknown	37.5	ppbv			2.12		04/19/16 02:34		N
1-Propene, 2-methyl-	5.0	ppbv			2.12		04/19/16 02:34	115-11-7	N
Pentane, 2-methyl-	5.6	ppbv			2.12		04/19/16 02:34	107-83-5	N
Hexane, 3-methyl-	2.0	ppbv			2.12		04/19/16 02:34	589-34-4	N
Unknown	0.36	ppbv			2.12		04/19/16 02:34		N

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QUALITY CONTROL DATA

Project: B1602930 Nep's Bar
 Pace Project No.: 10344742

QC Batch: AIR/25711 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 10344742001, 10344742002, 10344742003, 10344742004

METHOD BLANK: 2233747 Matrix: Air
 Associated Lab Samples: 10344742001, 10344742002, 10344742003, 10344742004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	<0.25	1.1	04/18/16 10:15	
1,1,2,2-Tetrachloroethane	ug/m3	<0.33	0.70	04/18/16 10:15	
1,1,2-Trichloroethane	ug/m3	<0.25	0.55	04/18/16 10:15	
1,1,2-Trichlorotrifluoroethane	ug/m3	<0.30	1.6	04/18/16 10:15	
1,1-Dichloroethane	ug/m3	<0.16	0.82	04/18/16 10:15	
1,1-Dichloroethene	ug/m3	<0.24	2.0	04/18/16 10:15	
1,2,4-Trichlorobenzene	ug/m3	<0.91	7.5	04/18/16 10:15	
1,2,4-Trimethylbenzene	ug/m3	<0.12	1.0	04/18/16 10:15	
1,2-Dibromoethane (EDB)	ug/m3	<0.77	1.6	04/18/16 10:15	
1,2-Dichlorobenzene	ug/m3	<0.51	1.2	04/18/16 10:15	
1,2-Dichloroethane	ug/m3	<0.20	0.41	04/18/16 10:15	
1,2-Dichloropropane	ug/m3	<0.27	0.94	04/18/16 10:15	
1,3,5-Trimethylbenzene	ug/m3	<0.18	1.0	04/18/16 10:15	
1,3-Butadiene	ug/m3	<0.18	0.45	04/18/16 10:15	
1,3-Dichlorobenzene	ug/m3	<0.53	1.2	04/18/16 10:15	
1,4-Dichlorobenzene	ug/m3	<0.50	1.2	04/18/16 10:15	
2-Butanone (MEK)	ug/m3	<0.23	3.0	04/18/16 10:15	
2-Hexanone	ug/m3	<0.41	4.2	04/18/16 10:15	
2-Propanol	ug/m3	<0.24	2.5	04/18/16 10:15	
4-Ethyltoluene	ug/m3	<0.19	1.0	04/18/16 10:15	
4-Methyl-2-pentanone (MIBK)	ug/m3	<0.22	4.2	04/18/16 10:15	
Acetone	ug/m3	<0.83	2.4	04/18/16 10:15	
Benzene	ug/m3	<0.12	0.65	04/18/16 10:15	
Benzyl chloride	ug/m3	<0.17	2.6	04/18/16 10:15	
Bromodichloromethane	ug/m3	<0.19	1.4	04/18/16 10:15	
Bromoform	ug/m3	<0.90	2.1	04/18/16 10:15	
Bromomethane	ug/m3	<0.31	0.79	04/18/16 10:15	
Carbon disulfide	ug/m3	<0.10	0.63	04/18/16 10:15	
Carbon tetrachloride	ug/m3	<0.19	1.3	04/18/16 10:15	
Chlorobenzene	ug/m3	<0.13	0.94	04/18/16 10:15	
Chloroethane	ug/m3	<0.19	0.54	04/18/16 10:15	
Chloroform	ug/m3	<0.19	0.99	04/18/16 10:15	
Chloromethane	ug/m3	<0.11	0.42	04/18/16 10:15	
cis-1,2-Dichloroethene	ug/m3	<0.25	0.81	04/18/16 10:15	
cis-1,3-Dichloropropene	ug/m3	<0.37	2.3	04/18/16 10:15	
Cyclohexane	ug/m3	<0.32	0.70	04/18/16 10:15	
Dibromochloromethane	ug/m3	<0.86	1.7	04/18/16 10:15	
Dichlorodifluoromethane	ug/m3	<0.48	1.0	04/18/16 10:15	
Dichlorotetrafluoroethane	ug/m3	<0.31	1.4	04/18/16 10:15	
Ethanol	ug/m3	<0.26	1.9	04/18/16 10:15	
Ethyl acetate	ug/m3	<0.35	0.73	04/18/16 10:15	

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QUALITY CONTROL DATA

Project: B1602930 Nep's Bar
 Pace Project No.: 10344742

METHOD BLANK: 2233747 Matrix: Air
 Associated Lab Samples: 10344742001, 10344742002, 10344742003, 10344742004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Ethylbenzene	ug/m3	<0.42	0.88	04/18/16 10:15	
Hexachloro-1,3-butadiene	ug/m3	<0.65	10.8	04/18/16 10:15	
m&p-Xylene	ug/m3	<0.79	1.8	04/18/16 10:15	
Methyl-tert-butyl ether	ug/m3	<0.30	3.7	04/18/16 10:15	
Methylene Chloride	ug/m3	<0.54	3.5	04/18/16 10:15	
n-Heptane	ug/m3	<0.28	0.83	04/18/16 10:15	
n-Hexane	ug/m3	<0.36	0.72	04/18/16 10:15	
Naphthalene	ug/m3	<0.30	5.3	04/18/16 10:15	
o-Xylene	ug/m3	<0.35	0.88	04/18/16 10:15	
Propylene	ug/m3	<0.14	0.88	04/18/16 10:15	SS
Styrene	ug/m3	<0.19	0.87	04/18/16 10:15	
Tetrachloroethene	ug/m3	<0.28	0.69	04/18/16 10:15	
Tetrahydrofuran	ug/m3	<0.12	1.5	04/18/16 10:15	
Toluene	ug/m3	<0.15	0.77	04/18/16 10:15	
trans-1,2-Dichloroethene	ug/m3	<0.38	0.81	04/18/16 10:15	
trans-1,3-Dichloropropene	ug/m3	<0.26	2.3	04/18/16 10:15	
Trichloroethene	ug/m3	<0.28	0.55	04/18/16 10:15	
Trichlorofluoromethane	ug/m3	<0.13	1.1	04/18/16 10:15	
Vinyl acetate	ug/m3	<0.33	1.8	04/18/16 10:15	
Vinyl chloride	ug/m3	<0.20	0.26	04/18/16 10:15	

LABORATORY CONTROL SAMPLE: 2233748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	55.9	101	60-143	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	74.1	106	49-150	
1,1,2-Trichloroethane	ug/m3	55.5	59.1	106	57-149	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	85.0	109	66-131	
1,1-Dichloroethane	ug/m3	41.2	36.4	89	62-139	
1,1-Dichloroethene	ug/m3	40.3	39.7	98	62-135	
1,2,4-Trichlorobenzene	ug/m3	75.5	61.7	82	55-146	
1,2,4-Trimethylbenzene	ug/m3	50	59.5	119	57-143	
1,2-Dibromoethane (EDB)	ug/m3	78.1	84.8	109	63-150	
1,2-Dichlorobenzene	ug/m3	61.2	65.5	107	57-141	
1,2-Dichloroethane	ug/m3	41.2	37.0	90	61-144	
1,2-Dichloropropane	ug/m3	47	42.8	91	63-144	
1,3,5-Trimethylbenzene	ug/m3	50	56.4	113	54-147	
1,3-Butadiene	ug/m3	22.5	21.7	96	61-140	
1,3-Dichlorobenzene	ug/m3	61.2	78.6	129	51-150	
1,4-Dichlorobenzene	ug/m3	61.2	77.9	127	57-143	
2-Butanone (MEK)	ug/m3	150	140	93	66-144	
2-Hexanone	ug/m3	208	209	100	63-147	
2-Propanol	ug/m3	125	119	95	54-146	
4-Ethyltoluene	ug/m3	50	57.9	116	56-150	

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QUALITY CONTROL DATA

Project: B1602930 Nep's Bar
 Pace Project No.: 10344742

LABORATORY CONTROL SAMPLE: 2233748

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/m3	208	197	94	58-150	
Acetone	ug/m3	121	101	84	46-140	
Benzene	ug/m3	32.5	30.8	95	62-141	
Benzyl chloride	ug/m3	52.5	53.5	102	66-138	
Bromodichloromethane	ug/m3	68.2	60.3	89	58-149	
Bromoform	ug/m3	105	124	118	61-150	
Bromomethane	ug/m3	39.5	40.8	103	58-136	
Carbon disulfide	ug/m3	31.7	30.5	96	59-135	
Carbon tetrachloride	ug/m3	64	61.9	97	60-149	
Chlorobenzene	ug/m3	46.8	51.1	109	60-150	
Chloroethane	ug/m3	26.8	25.1	93	61-136	
Chloroform	ug/m3	49.7	47.8	96	65-138	
Chloromethane	ug/m3	21	18.5	88	62-133	
cis-1,2-Dichloroethene	ug/m3	40.3	39.0	97	65-139	
cis-1,3-Dichloropropene	ug/m3	46.2	38.2	83	61-149	
Cyclohexane	ug/m3	35	31.0	89	64-134	
Dibromochloromethane	ug/m3	86.6	110	127	59-150	
Dichlorodifluoromethane	ug/m3	50.3	47.9	95	63-134	
Dichlorotetrafluoroethane	ug/m3	71.1	68.9	97	62-134	
Ethanol	ug/m3	95.8	84.3	88	50-144	
Ethyl acetate	ug/m3	36.6	30.4	83	55-146	
Ethylbenzene	ug/m3	44.2	47.0	106	59-149	
Hexachloro-1,3-butadiene	ug/m3	108	121	111	42-150	
m&p-Xylene	ug/m3	88.3	94.0	106	59-146	
Methyl-tert-butyl ether	ug/m3	183	170	93	64-135	
Methylene Chloride	ug/m3	177	166	94	64-128	
n-Heptane	ug/m3	41.7	35.3	85	64-140	
n-Hexane	ug/m3	35.8	28.1	79	50-138	
Naphthalene	ug/m3	53.3	38.7	73	46-146	
o-Xylene	ug/m3	44.2	47.3	107	54-149	
Propylene	ug/m3	17.5	15.4	88	58-135 SS	
Styrene	ug/m3	43.3	50.1	116	54-150	
Tetrachloroethene	ug/m3	69	75.7	110	60-142	
Tetrahydrofuran	ug/m3	30	21.1	70	56-143	
Toluene	ug/m3	38.3	40.0	104	61-138	
trans-1,2-Dichloroethene	ug/m3	40.3	40.0	99	67-137	
trans-1,3-Dichloropropene	ug/m3	46.2	38.0	82	59-145	
Trichloroethene	ug/m3	54.6	57.7	106	60-144	
Trichlorofluoromethane	ug/m3	57.1	59.7	104	59-134	
Vinyl acetate	ug/m3	35.8	26.8	75	55-143	
Vinyl chloride	ug/m3	26	23.4	90	63-135	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: B1602930 Nep's Bar
Pace Project No.: 10344742

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above LOD.
J - Estimated concentration at or above the LOD and below the LOQ.
LOD - Limit of Detection adjusted for dilution factor and percent moisture.
LOQ - Limit of Quantitation adjusted for dilution factor and percent moisture.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected at or above the adjusted LOD.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

N Tentatively identified compound (TIC) based on mass spectral library search. Result is estimated.
SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: B1602930 Nep's Bar
Pace Project No.: 10344742

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10344742001	V-1	TO-15	AIR/25711		
10344742002	V-2	TO-15	AIR/25711		
10344742003	V-3	TO-15	AIR/25711		
10344742004	V-4	TO-15	AIR/25711		

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AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

10344742

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:	24640	Page: 1 of 1
Company: <i>Braun Interlec</i>	Report To: <i>Kevin Nestingen</i>	Attention: <i>Kevin Nestingen</i>	Program	
Address: <i>2309 Klace Street La Crosse, WI</i>	Copy To:	Company Name: <i>Braun Interlec</i>	<input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other	
Email To: <i>knesting@brauninterlec.com</i>	Purchase Order No.:	Address: <i>Same</i>	Location of Sampling by State: <i>WI</i>	
Phone: <i>608-781-7277</i> Fax:	Project Name: <i>Nep's Bar</i>	Pace Quote Reference:	Reporting Units ug/m ³ <input type="checkbox"/> mg/m ³ <input type="checkbox"/> PPMV <input type="checkbox"/> PPMV <input type="checkbox"/> Other:	
Requested Due Date/TAT:	Project Number: <i>B1602930</i>	Pace Project Manager/Sales Rep:	Report Level: II ___ III ___ IV ___ Other ___	

ITEM #	'Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes		COLLECTED	COMPOSITE START END/SRAB	COMPOSITE -	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:	Method:							Pace Lab ID		
		MEDIA	CODE																		
		Tedlar Bag	TB									PM10	3C - Fixed Gas (%)	TD-3	TD-3M (Metrang)	TD-4 (COs)	TD-13 (PAH)	TD-14		TD-15	TD-15 Short List*
		1 Liter Summa Can	1LC																		
6 Liter Summa Can	6LC																				
Low Volume Puff	LVP																				
High Volume Puff	HVP																				
Other	PM10																				
1	V-1	4LC	0.5	4/14/16	9:00	4/13/16	8:45	29	8	6766	0450							001			
2	V-2	6LC	1.5	4/13/16	10:32	4/13/16	11:02	30	9	1604	0986						X	002			
3	V-3	6LC	1.5	4/13/16	11:07	4/13/16	11:37	25	8	0556	0784						X	003			
4	V-4	6LC	3.3	4/13/16	11:44	4/13/16	12:14	30	12	0208	0653						X	004			

Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS							
<i>[Signature]</i>	4/13/16	2:30pm	<i>[Signature]</i>	4/14/16	10:00	Temp	Received on Ice	Custody Sealed Cooler	Samples Intact	Y/N	Y/N	Y/N	Y/N
						Y/N	Y/N	Y/N	Y/N				
						Y/N	Y/N	Y/N	Y/N				
						Y/N	Y/N	Y/N	Y/N				

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: *Patrick Carr*
 SIGNATURE of SAMPLER: *[Signature]* DATE Signed (MM / DD / YY): *04/13/16*

ORIGINAL

Air Sample Condition Upon Receipt

Client Name: Brown Intertec Project #: _____

WO# : 10344742



10344742

Courier: Fed Ex UPS Speedee Client
 Commercial Pace Other: _____

Tracking Number: 8094 2274 3463

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Tin Can Other: _____ Temp Blank rec: Yes No

Temp. (TO17 and TO13 samples only) (°C): X Corrected Temp (°C): X Thermom. Used: B88A912167504 72337080
 B88A9132521491 80512447

Temp should be above freezing to 6°C Correction Factor: X Date & Initials of Person Examining Contents: 4/14/16

Type of ice Received Blue Wet None

				Comments:
Chain of Custody Present?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	10.
Media: <u>Air Can</u> Airbag Filter TDT Passive				11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	12.

Samples Received:					
Sample Number	Canisters		Sample Number	Canisters	
	Can ID	Flow Controller ID		Can ID	Flow Controller ID
<u>V-1</u>	<u>1270</u>				

CLIENT NOTIFICATION/RESOLUTION Field Data Required? Yes No
 Person Contacted: _____ Date/Time: _____
 Comments/Resolution: _____

Project Manager Review: Alyssa Ponder Date: 4/14/16

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

MILDRED AUGUSTINE
MILDRED AUGUSTINE C/O KEN KMETZ
26065 CTH G
ASHLAND, WI 54806

Report Date 10-Jun-16

Project Name NEP'S BAR / MOQUAH
Project #

Invoice # E31145

Lab Code 5031145A
Sample ID 23885 PW
Sample Matrix Water
Sample Date 5/31/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B	6/6/2016	6/6/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B	6/6/2016	6/6/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B	6/6/2016	6/6/2016	CJR	1
Bromofonn	< 0.46	ug/l	0.46	1.5	1	8260B	6/6/2016	6/6/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B	6/6/2016	6/6/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B	6/6/2016	6/6/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B	6/6/2016	6/6/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B	6/6/2016	6/6/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B	6/6/2016	6/6/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B	6/6/2016	6/6/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B	6/6/2016	6/6/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B	6/6/2016	6/6/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B	6/6/2016	6/6/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B	6/6/2016	6/6/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B	6/6/2016	6/6/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B	6/6/2016	6/6/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B	6/6/2016	6/6/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B	6/6/2016	6/6/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B	6/6/2016	6/6/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B	6/6/2016	6/6/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B	6/6/2016	6/6/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B	6/6/2016	6/6/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B	6/6/2016	6/6/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B	6/6/2016	6/6/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B	6/6/2016	6/6/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B	6/6/2016	6/6/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B	6/6/2016	6/6/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B	6/6/2016	6/6/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B	6/6/2016	6/6/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B	6/6/2016	6/6/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B	6/6/2016	6/6/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B	6/6/2016	6/6/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B	6/6/2016	6/6/2016	CJR	1

Project Name NEP'S BAR / MOQUAH
 Project #

Invoice # E31145

Lab Code 5031145A
 Sample ID 23885 PW
 Sample Matrix Water
 Sample Date 5/31/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		6/6/2016	CJR	I
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		6/6/2016	CJR	I
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		6/6/2016	CJR	I
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		6/6/2016	CJR	I
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		6/6/2016	CJR	I
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		6/6/2016	CJR	I
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		6/6/2016	CJR	I
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		6/6/2016	CJR	I
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		6/6/2016	CJR	I
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		6/6/2016	CJR	I
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		6/6/2016	CJR	I
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		6/6/2016	CJR	I
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		6/6/2016	CJR	I
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		6/6/2016	CJR	I
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		6/6/2016	CJR	I
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		6/6/2016	CJR	I
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		6/6/2016	CJR	I
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		6/6/2016	CJR	I
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		6/6/2016	CJR	I
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		6/6/2016	CJR	I
SUR - 1,2-Dichloroethane-d4	98	REC %				8260B		6/6/2016	CJR	I
SUR - Toluene-d8	96	REC %				8260B		6/6/2016	CJR	I
SUR - Dibromofluoromethane	103	REC %				8260B		6/6/2016	CJR	I
SUR - 4-Bromofluorobenzene	111	REC %				8260B		6/6/2016	CJR	I

Project Name NEP'S BAR / MOQUAH
Project #

Invoice # E31145

Lab Code 5031145E
Sample ID MW-4
Sample Matrix Water
Sample Date 5/31/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		6/7/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		6/7/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		6/7/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		6/7/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		6/7/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		6/7/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		6/7/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		6/7/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		6/7/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		6/7/2016	CJR	1

Lab Code 5031145F
Sample ID MW-5
Sample Matrix Water
Sample Date 5/31/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		6/7/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		6/7/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		6/7/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		6/7/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		6/7/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		6/7/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		6/7/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		6/7/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		6/7/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		6/7/2016	CJR	1

Lab Code 5031145G
Sample ID MW-3
Sample Matrix Water
Sample Date 5/31/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	101	ug/l	0.44	1.4	1	8260B		6/7/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		6/7/2016	CJR	1
Ethylbenzene	59	ug/l	0.71	2.3	1	8260B		6/7/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		6/7/2016	CJR	1
Naphthalene	5.1 "J"	ug/l	1.6	5.2	1	8260B		6/7/2016	CJR	1
Toluene	7.1	ug/l	0.44	1.4	1	8260B		6/7/2016	CJR	1
1,2,4-Trimethylbenzene	49	ug/l	1.6	5	1	8260B		6/7/2016	CJR	1
1,3,5-Trimethylbenzene	3.4 "J"	ug/l	1.5	4.8	1	8260B		6/7/2016	CJR	1
m&p-Xylene	21	ug/l	2.2	6.9	1	8260B		6/7/2016	CJR	1
o-Xylene	1.57 "J"	ug/l	0.9	2.9	1	8260B		6/7/2016	CJR	1

Project Name NEP'S BAR / MOQUAH
 Project #

Invoice # E31145

Lab Code 5031145H
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 5/31/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	4.3	ug/l	0.44	1.4	1	8260B		6/9/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		6/9/2016	CJR	1
Ethylbenzene	18.8	ug/l	0.71	2.3	1	8260B		6/9/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		6/9/2016	CJR	1
Naphthalene	5.6	ug/l	1.6	5.2	1	8260B		6/9/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		6/9/2016	CJR	1
1,2,4-Trimethylbenzene	4.1 "J"	ug/l	1.6	5	1	8260B		6/9/2016	CJR	1
1,3,5-Trimethylbenzene	12.4	ug/l	1.5	4.8	1	8260B		6/9/2016	CJR	1
m&p-Xylene	8.3	ug/l	2.2	6.9	1	8260B		6/9/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		6/9/2016	CJR	1

Lab Code 5031145I
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 5/31/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	7900	ug/l	88	280	200	8260B		6/8/2016	CJR	1
1,2-Dichloroethane	218 "J"	ug/l	96	300	200	8260B		6/8/2016	CJR	1
Ethylbenzene	1340	ug/l	142	460	200	8260B		6/8/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 220	ug/l	220	740	200	8260B		6/8/2016	CJR	1
Naphthalene	410 "J"	ug/l	320	1040	200	8260B		6/8/2016	CJR	1
Toluene	15500	ug/l	88	280	200	8260B		6/8/2016	CJR	1
1,2,4-Trimethylbenzene	2010	ug/l	320	1000	200	8260B		6/8/2016	CJR	1
1,3,5-Trimethylbenzene	590 "J"	ug/l	300	960	200	8260B		6/8/2016	CJR	1
m&p-Xylene	6300	ug/l	440	1380	200	8260B		6/8/2016	CJR	1
o-Xylene	3010	ug/l	180	580	200	8260B		6/8/2016	CJR	1

Lab Code 5031145J
 Sample ID TB
 Sample Matrix Water
 Sample Date 5/31/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		6/7/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		6/7/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		6/7/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		6/7/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		6/7/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		6/7/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		6/7/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		6/7/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		6/7/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		6/7/2016	CJR	1

Project Name NEP'S BAR / MOQUAH
Project #

Invoice # E31145

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

Synergy

Chain # MR 2875

Page 1 of 1

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

 Rush Analysis Date Required
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No.: _____
Project #: _____
Sampler: (signature) Jon Jensen

Project (Name / Location): Neps Bar / Mequon
Reports To: Mildred Augustine Invoice To: Mildred Augustine
Company: _____ Company: c/o METCO
Address: 23885 CTH G Address: 709 Gillette St, Ste. 3
City State Zip: Ashland, WI 54806 City State Zip: La Crosse, WI 54603
Phone: _____ Phone: _____
FAX: _____ FAX: _____

Analysis Requested										Other Analysis															
Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE r/l/t - SWA	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCPA METALS	PID/ FID	
<u>503 1145 A</u>	<u>23885 PW</u>	<u>5-31</u>	<u>130</u>				<u>3</u>	<u>GW</u>	<u>HLL</u>																
<u>B</u>	<u>MW-6</u>		<u>110</u>																			<u>X</u>			
<u>C</u>	<u>MW-8</u>		<u>130</u>																			<u>X</u>			
<u>D</u>	<u>MW-7</u>		<u>150</u>																			<u>X</u>			
<u>E</u>	<u>MW-4</u>		<u>215</u>																						
<u>F</u>	<u>MW-5</u>		<u>240</u>																						
<u>G</u>	<u>MW-3</u>		<u>300</u>																						
<u>H</u>	<u>MW-2</u>		<u>325</u>																						
<u>I</u>	<u>MW-1</u>	<u>✓</u>	<u>350</u>					<u>✓</u>	<u>✓</u>																
<u>J</u>	<u>TB</u>																								

Comments/Special Instructions ("Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)
Lab to send copy of report to METCO / Jason P. (Invoice to METCO)
* UTC Rates Apply
* Agent Status

Sample Integrity - To be completed by receiving lab.
Method of Shipment: Overnight
Temp. of Temp. Blank: _____ °C On Ice: ✓
Cooler seal intact upon receipt: ✓ Yes No

Relinquished By: (sign) Jon Jensen Time: 6:30 PM Date: 6-1-16
Received By: (sign) Mich - sa Time: 8:30 AM Date: 6-3-16

Synergy Environmental Lab,

1990 Prospect Ct., Appleton, WI 54914 *P 920-830-2455 * F 920-733-0631

MILDRED AUGUSTINE
MILDRED AUGUSTINE C/O KEN KMETZ
26065 CTH G
ASHLAND, WI 54806

Report Date 07-Sep-16

Project Name NEP'S BAR
Project #

Invoice # E31660

Lab Code 5031660A
Sample ID 23885 PW
Sample Matrix Water
Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
Bromobenzene	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	1
Bromodichloromethane	< 0.46	ug/l	0.46	1.5	1	8260B		9/1/2016	CJR	1
Bromoform	< 0.46	ug/l	0.46	1.5	1	8260B		9/1/2016	CJR	1
tert-Butylbenzene	< 1.1	ug/l	1.1	3.4	1	8260B		9/1/2016	CJR	1
sec-Butylbenzene	< 1.2	ug/l	1.2	3.8	1	8260B		9/1/2016	CJR	1
n-Butylbenzene	< 1	ug/l	1	3.3	1	8260B		9/1/2016	CJR	1
Carbon Tetrachloride	< 0.51	ug/l	0.51	1.6	1	8260B		9/1/2016	CJR	1
Chlorobenzene	< 0.46	ug/l	0.46	1.4	1	8260B		9/1/2016	CJR	1
Chloroethane	< 0.65	ug/l	0.65	2.1	1	8260B		9/1/2016	CJR	1
Chloroform	< 0.43	ug/l	0.43	1.4	1	8260B		9/1/2016	CJR	1
Chloromethane	< 1.9	ug/l	1.9	6	1	8260B		9/1/2016	CJR	1
2-Chlorotoluene	< 0.4	ug/l	0.4	1.3	1	8260B		9/1/2016	CJR	1
4-Chlorotoluene	< 0.63	ug/l	0.63	2	1	8260B		9/1/2016	CJR	1
1,2-Dibromo-3-chloropropane	< 1.4	ug/l	1.4	4.5	1	8260B		9/1/2016	CJR	1
Dibromochloromethane	< 0.45	ug/l	0.45	1.4	1	8260B		9/1/2016	CJR	1
1,4-Dichlorobenzene	< 0.49	ug/l	0.49	1.6	1	8260B		9/1/2016	CJR	1
1,3-Dichlorobenzene	< 0.52	ug/l	0.52	1.6	1	8260B		9/1/2016	CJR	1
1,2-Dichlorobenzene	< 0.46	ug/l	0.46	1.5	1	8260B		9/1/2016	CJR	1
Dichlorodifluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		9/1/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	1
1,1-Dichloroethane	< 1.1	ug/l	1.1	3.6	1	8260B		9/1/2016	CJR	1
1,1-Dichloroethene	< 0.65	ug/l	0.65	2.1	1	8260B		9/1/2016	CJR	1
cis-1,2-Dichloroethene	< 0.45	ug/l	0.45	1.4	1	8260B		9/1/2016	CJR	1
trans-1,2-Dichloroethene	< 0.54	ug/l	0.54	1.7	1	8260B		9/1/2016	CJR	1
1,2-Dichloropropane	< 0.43	ug/l	0.43	1.37	1	8260B		9/1/2016	CJR	1
2,2-Dichloropropane	< 3.1	ug/l	3.1	9.8	1	8260B		9/1/2016	CJR	1
1,3-Dichloropropane	< 0.42	ug/l	0.42	1.3	1	8260B		9/1/2016	CJR	1
Di-isopropyl ether	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
EDB (1,2-Dibromoethane)	< 0.63	ug/l	0.63	2	1	8260B		9/1/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	1
Hexachlorobutadiene	< 2.2	ug/l	2.2	7.1	1	8260B		9/1/2016	CJR	1
Isopropylbenzene	< 0.82	ug/l	0.82	2.6	1	8260B		9/1/2016	CJR	1

Project Name NEP'S BAR
 Project #

Invoice # E31660

Lab Code 5031660A
 Sample ID 23885 PW
 Sample Matrix Water
 Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
p-Isopropyltoluene	< 1.1	ug/l	1.1	3.5	1	8260B		9/1/2016	CJR	I
Methylene chloride	< 1.3	ug/l	1.3	4.2	1	8260B		9/1/2016	CJR	I
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	I
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	I
n-Propylbenzene	< 0.77	ug/l	0.77	2.4	1	8260B		9/1/2016	CJR	I
1,1,2,2-Tetrachloroethane	< 0.52	ug/l	0.52	1.7	1	8260B		9/1/2016	CJR	I
1,1,1,2-Tetrachloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	I
Tetrachloroethene	< 0.49	ug/l	0.49	1.5	1	8260B		9/1/2016	CJR	I
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	I
1,2,4-Trichlorobenzene	< 1.7	ug/l	1.7	5.6	1	8260B		9/1/2016	CJR	I
1,2,3-Trichlorobenzene	< 2.7	ug/l	2.7	8.6	1	8260B		9/1/2016	CJR	I
1,1,1-Trichloroethane	< 0.84	ug/l	0.84	2.7	1	8260B		9/1/2016	CJR	I
1,1,2-Trichloroethane	< 0.48	ug/l	0.48	1.52	1	8260B		9/1/2016	CJR	I
Trichloroethene (TCE)	< 0.47	ug/l	0.47	1.5	1	8260B		9/1/2016	CJR	I
Trichlorofluoromethane	< 0.87	ug/l	0.87	2.8	1	8260B		9/1/2016	CJR	I
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		9/1/2016	CJR	I
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	I
Vinyl Chloride	< 0.17	ug/l	0.17	0.54	1	8260B		9/1/2016	CJR	I
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	I
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	I
SUR - 1,2-Dichloroethane-d4	102	REC %				8260B		9/1/2016	CJR	I
SUR - Toluene-d8	88	REC %				8260B		9/1/2016	CJR	I
SUR - Dibromofluoromethane	85	REC %				8260B		9/1/2016	CJR	I
SUR - 4-Bromofluorobenzene	78	REC %				8260B		9/1/2016	CJR	I

Lab Code 5031660B
 Sample ID MW-6
 Sample Matrix Water
 Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	I
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	I
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	I
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	I
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	I
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	I
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		9/1/2016	CJR	I
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	I
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	I
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	I

Project Name NEP'S BAR
Project #

Invoice # E31660

Lab Code 5031660C
Sample ID MW-8
Sample Matrix Water
Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		9/1/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	1

Lab Code 5031660D
Sample ID MW-7
Sample Matrix Water
Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	0.57 "J"	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		9/1/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	1

Lab Code 5031660E
Sample ID MW-4
Sample Matrix Water
Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		9/1/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	1

Project Name NEP'S BAR
 Project #

Invoice # E31660

Lab Code 5031660F
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	1
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	1
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		9/1/2016	CJR	1
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	1
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	1

Lab Code 5031660G
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	35	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	1
Ethylbenzene	52	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	1
Naphthalene	18.5	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	1
Toluene	0.70 "J"	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2,4-Trimethylbenzene	8.1	ug/l	1.6	5	1	8260B		9/1/2016	CJR	1
1,3,5-Trimethylbenzene	47	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	1
m&p-Xylene	67	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	1

Lab Code 5031660H
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	172	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	1
Ethylbenzene	90	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	1
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	1
Toluene	16	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	1
1,2,4-Trimethylbenzene	10.3	ug/l	1.6	5	1	8260B		9/1/2016	CJR	1
1,3,5-Trimethylbenzene	4.2 "J"	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	1
m&p-Xylene	4.4 "J"	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	1
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	1

Project Name NEP'S BAR
 Project #

Invoice # E31660

Lab Code 50316601
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	18600	ug/l	44	140	100	8260B		9/1/2016	CJR	I
1,2-Dichloroethane	330	ug/l	48	150	100	8260B		9/1/2016	CJR	I
Ethylbenzene	1840	ug/l	71	230	100	8260B		9/1/2016	CJR	I
Methyl tert-butyl ether (MTBE)	< 110	ug/l	110	370	100	8260B		9/1/2016	CJR	I
Naphthalene	490 "J"	ug/l	160	520	100	8260B		9/1/2016	CJR	I
Toluene	22300	ug/l	44	140	100	8260B		9/1/2016	CJR	I
1,2,4-Trimethylbenzene	1990	ug/l	160	500	100	8260B		9/1/2016	CJR	I
1,3,5-Trimethylbenzene	540	ug/l	150	480	100	8260B		9/1/2016	CJR	I
m&p-Xylene	8500	ug/l	220	690	100	8260B		9/1/2016	CJR	I
o-Xylene	3800	ug/l	90	290	100	8260B		9/1/2016	CJR	I

Lab Code 5031660J
 Sample ID TB
 Sample Matrix Water
 Sample Date 8/30/2016

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene + 1,2 DCA										
Benzene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	I
1,2-Dichloroethane	< 0.48	ug/l	0.48	1.5	1	8260B		9/1/2016	CJR	I
Ethylbenzene	< 0.71	ug/l	0.71	2.3	1	8260B		9/1/2016	CJR	I
Methyl tert-butyl ether (MTBE)	< 1.1	ug/l	1.1	3.7	1	8260B		9/1/2016	CJR	I
Naphthalene	< 1.6	ug/l	1.6	5.2	1	8260B		9/1/2016	CJR	I
Toluene	< 0.44	ug/l	0.44	1.4	1	8260B		9/1/2016	CJR	I
1,2,4-Trimethylbenzene	< 1.6	ug/l	1.6	5	1	8260B		9/1/2016	CJR	I
1,3,5-Trimethylbenzene	< 1.5	ug/l	1.5	4.8	1	8260B		9/1/2016	CJR	I
m&p-Xylene	< 2.2	ug/l	2.2	6.9	1	8260B		9/1/2016	CJR	I
o-Xylene	< 0.9	ug/l	0.9	2.9	1	8260B		9/1/2016	CJR	I

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

All solid sample results reported on a dry weight basis unless otherwise indicated. All LOD's and LOQ's are adjusted for dilutions but not dry weight. Subcontracted results are denoted by SUB in the analyst field.

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

Synergy

Chain # N² 308

Page 1 of 1

Environmental Lab, Inc.

1990 Prospect Ct. • Appleton, WI 54914
920-830-2455 • FAX 920-733-0631

Sample Handling Request

Rush Analysis Date Required _____
(Rushes accepted only with prior authorization)

Normal Turn Around

Lab I.D. # _____
Account No. : _____ Quote No. : _____
Project #: _____
Sampler: (signature) Jon Jam

Project (Name / Location): Nep's Bar / Moquah
Reports To: Mildred Augustine Invoice To: Mildred Augustine
Company: _____ Company: c/o METCO
Address: 23885 CTH G Address: 709 Gillette St, Ste. 3
City State Zip: Ashland, WI 54806 City State Zip: La Crosse, WI 54603
Phone: _____ Phone: _____
FAX: _____ FAX: _____

Analysis Requested													Other Analysis		
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE + 1,2-DCA	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 842.2)	VOC (EPA 8260)	8-PCRA METALS	PID/ FID	

Lab I.D.	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>503660A</u>	<u>23885 PW</u>	<u>8-30</u>	<u>220</u>				<u>3</u>	<u>GW</u>	<u>HCL</u>
<u>B</u>	<u>MW-6</u>		<u>135</u>						
<u>C</u>	<u>MW-8</u>		<u>155</u>						
<u>D</u>	<u>MW-7</u>		<u>215</u>						
<u>E</u>	<u>MW-4</u>		<u>235</u>						
<u>F</u>	<u>MW-5</u>		<u>300</u>						
<u>G</u>	<u>MW-2</u>		<u>320</u>						
<u>H</u>	<u>MW-3</u>		<u>345</u>						
<u>I</u>	<u>MW-1</u>	<u>✓</u>	<u>405</u>						
<u>J</u>	<u>TB</u>								

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge etc.)

Lab to send copy of report to METCO / Jason P. (Invoice to METCO)
* UTC Rates apply
* Agent Status

Sample Integrity - To be completed by receiving lab
Method of Shipment: Refrigerated
Temp. of Temp. Blank: _____ °C On Ice:
Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) Jon Jam Time 9:00 AM Date 8-31-16
Received By: (sign) _____ Time 8:00 Date 9/1/16