Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Thursday, August 02, 2018 11:14 AM
To: 'Ken Shimko'
Subject: RE: Olson Goodman - MTBE in MW-9P-Closure Committee Review Info
Attachments: 20180802112351938.pdf

HI Ken, this is to reiterate our phone conversation a few minutes ago. The NOR Closure Committee briefly reviewed and discussed this site today. They thought that maybe the MTBE contamination could be coming from Ed's (Rindts) Service or another source. The PW samples that were taken for Ed's investigation could be reviewed to determine MTBE levels. The Committee agreed that a MW/PZ nest is needed down gradient of MW-9P to further define degree and extent. I have attached an aerial photo showing a potential placement area for the nest. If you have any questions, let me know. Thanks, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

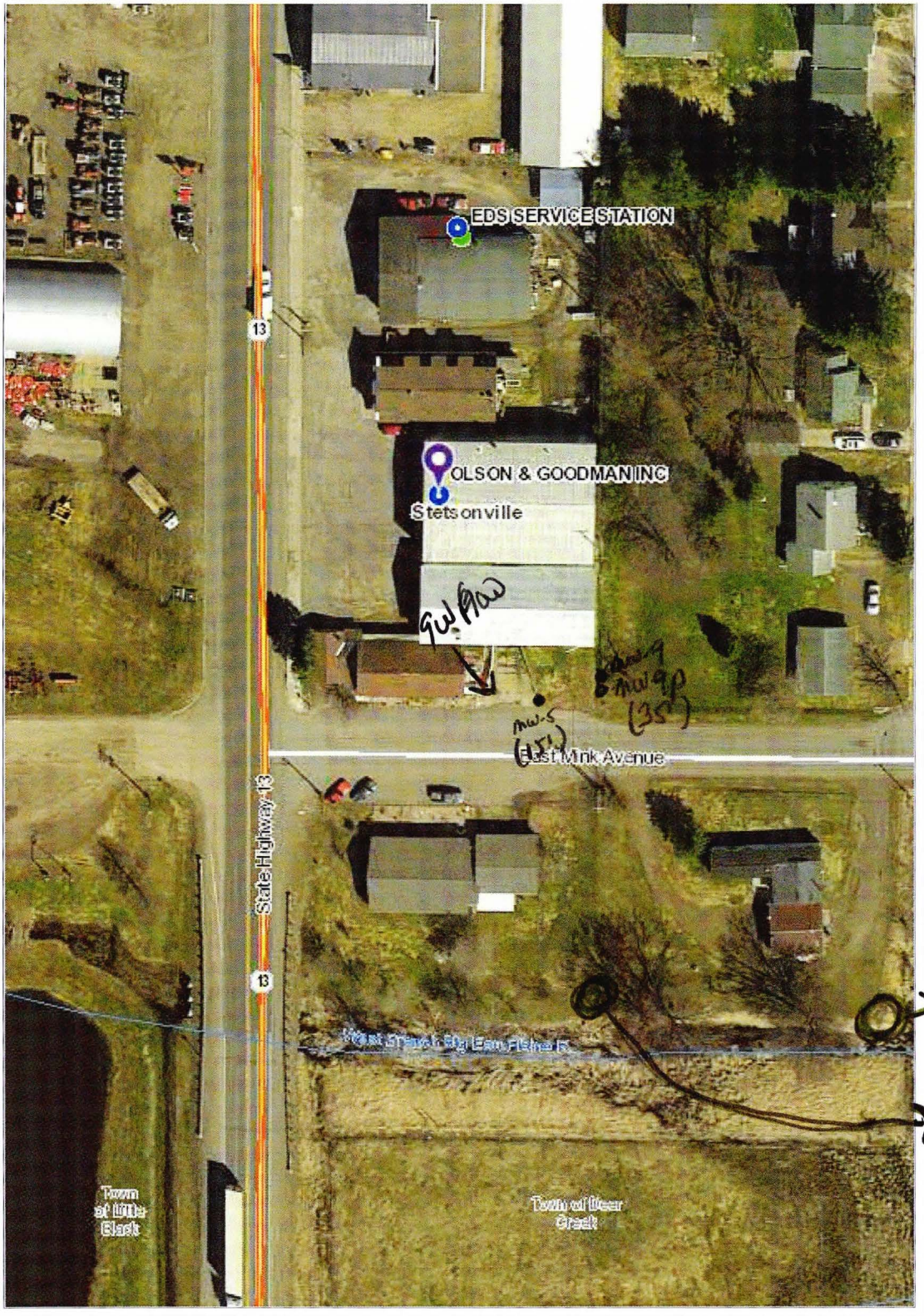
From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Thursday, July 19, 2018 4:43 PM
To: Stoltz, Carrie R - DNR <Carrie.Stoltz@wisconsin.gov>
Subject: Olson Goodman - MTBE in MW-9P

Carrie.

Attached is some data re: the MTBE in MW-9P at Olson Goodman.

- Please recall MW-9P was installed as part of the adjacent Ed's Service site.
- We also sampled several private wells (e.g., 109 & 125 Mink and 315 & 331 Lincoln – see attached Table and Map). The private wells have since been abandoned and the Village is now on public water supply.
- MTBE was measured at very low levels in these wells (below PAL). Is this data adequate to define the horizontal and vertical extent of MTBE?
- See also the GW table indicating downward vertical gradient in MW-9/9P nest...which explains why MTBE is transported vertically through the fine-grained sediments.
- In my opinion, this data supports our interpretation that the MTBE is being transported downward through the fine-grained soils. However, the concentrations decrease with depth and lateral distance. And, note the MTBE concentrations are steadily decreasing over time in MW-9P....to below Enforcement Standard and nearing the PAL.
- We have removed impacted soils at Ed's and also at Olson Goodman (see recent report). The MTBE concentrations should continue to decrease in MW-9P over time.

Map Title



Legend

- Open Site (ongoing cleanup)
- Closed Site (completed cleanup)

possible MW/PZ nest? OR possible MW/PZ nest

0.0 0 Distance / 2 0.0 Miles

1: 990

NAD_1983_HARN_Wisconsin_TM

Note: Not all sites are mapped.

Notes

CORRESPONDENCE/MEMORANDUM

State of Wisconsin

DATE: July 23, 2018

TO: Chris Saari-Ashland Mark Pauli-Rhinelander John Sager -Superior Kathleen Shafel – Antigo

FROM: Carrie Stoltz-Rhinelander

SUBJECT: Olson & Goodman (03-61-563926) **DISCUSSION ONLY!**
Consultant: Ken Shimko-Meridian Environmental

Recommendation:
__ Approval
__ Denial
__ Pause for Corrections

Yet to be Completed:
__ Enforcement
__ Permits

Closure Conditions (84):
__ Monitoring Well Abandonment
__ Removal of Soil Piles/Purge Water

Continuing Obligations (56):
__ Soil at Industrial Use (220)
__ Maintain Cap (222)
__ Structural Impediment (224)
__ Vapor Intrusion (226) Option(s) _____
__ Site Specific Condition (228)
__ Maintain LGU Exemption (230)
__ Maintenance/Inspection Report Required (238)
__ Residual Soil Exceeds Standards (232)
__ Residual GW Exceeds Standards (236)
__ MW Needs Abandonment (234) Option _____

Recommendation Summary:
This site is in the Village of Stetsonville - Taylor County. There was an effort in 2011 or 2012, to abandon all the private wells and install a municipal water system. This was due to extensive groundwater contamination resulting in numerous impacted private wells.

Ed's Service (Rindt's) is an open BRRTS site (03-61-183093). MW 9P is located down gradient from the Ed's Service Site and based on increasing MTBE results, it was determined that Olson & Goodman could be contributing to the contamination. Also, Olson/Goodman had a tank removal that was never investigated.

The deadline to get into PECFA was looming, so Ken Shimko urged the owners to perform an investigation. In 2015, (9) geoprobes were installed in the former tank area and based on results, MW-1 was installed in the former tank area. Sampling showed 1" of FP measured during the June 2016 sampling event. A 595-ton excavation of the former tank area was performed in October/November 2016. Additional MWs were installed to define degree and extent and groundwater monitoring was performed for (1) year.

Groundwater depth is 5 feet bgs and flows to the south. A downward gradient is noted in the following wells: 2A/2B, 3A/3B, 9/9P. Benzene is increasing in MW-5 (2.3 ppb) >PALs, but not >ES. MTBE concentrations are >ES in MW-9P, but are decreasing (29.5 ppb). The downgradient receptor is the West Branch of the Big Eau Pleine River, but Ken feels the plume is deeper than the river. The consultant states in that an additional MWs/PZ nest is needed down gradient of MW-9/9P. I agree with this, but Ken would like input from the Closure Committee because of the history with Stetsonville.

Stoltz, Carrie R - DNR

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Thursday, July 19, 2018 4:43 PM
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Attachments: MTBE in MW-9P.pdf

Carrie.

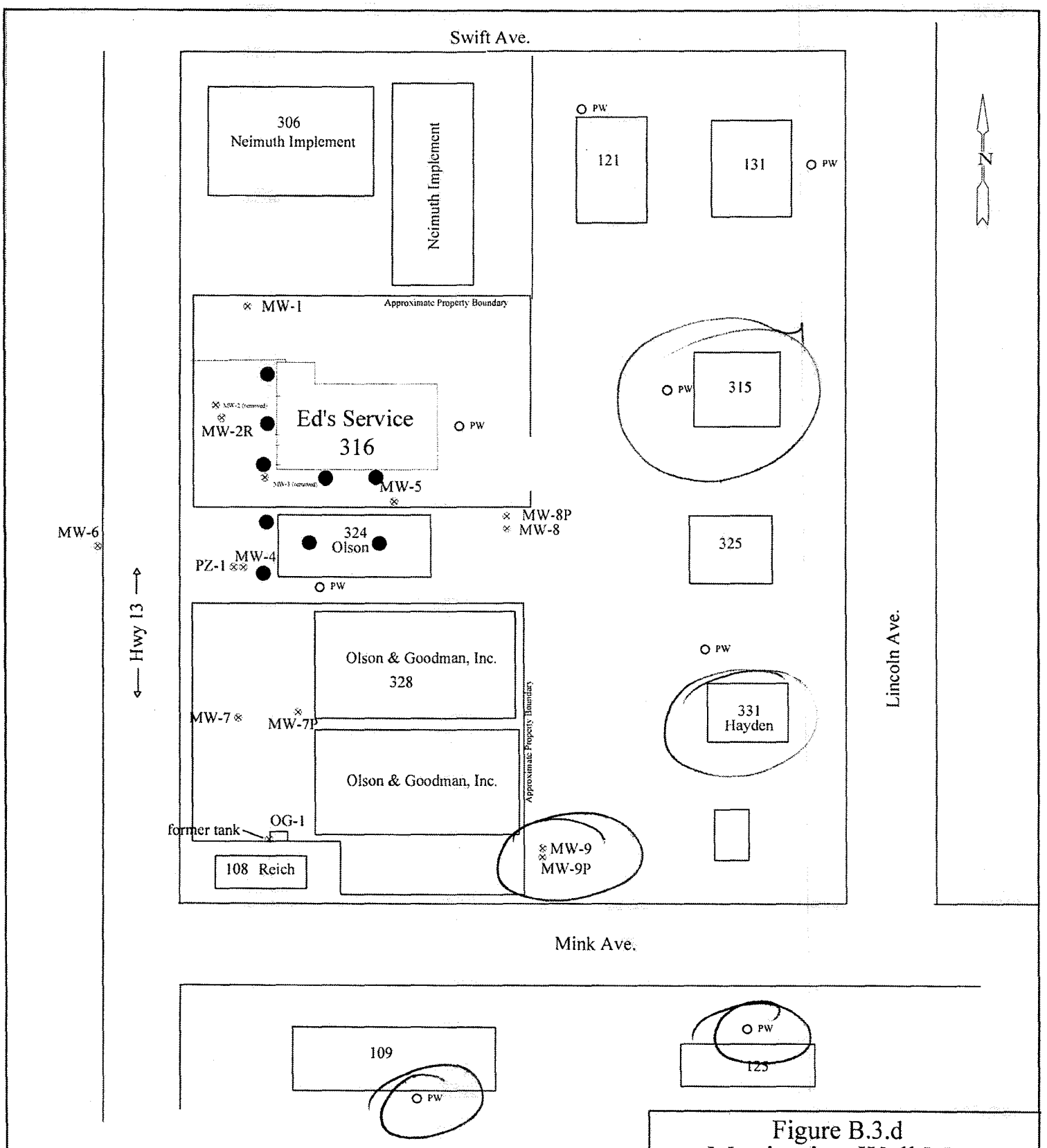
Attached is some data re: the MTBE in MW-9P at Olson Goodman.

- Please recall MW-9P was installed as part of the adjacent Ed's Service site.
- We also sampled several private wells (e.g., 109 & 125 Mink and 315 & 331 Lincoln – see attached Table and Map). The private wells have since been abandoned and the Village is now on public water supply.
- MTBE was measured at very low levels in these wells (below PAL). Is this data adequate to define the horizontal and vertical extent of MTBE?
- See also the GW table indicating downward vertical gradient in MW-9/9P nest...which explains why MTBE is transported vertically through the fine-grained sediments.
- In my opinion, this data supports our interpretation that the MTBE is being transported downward through the fine-grained soils. However, the concentrations decrease with depth and lateral distance. And, note the MTBE concentrations are steadily decreasing over time in MW-9P....to below Enforcement Standard and nearing the PAL.
- We have removed impacted soils at Ed's and also at Olson Goodman (see recent report). The MTBE concentrations should continue to decrease in MW-9P over time.
- Due to the impending end of PECFA, we need to determine whether additional MWs are needed to define the extent of MTBE impacts in the GW or can we close with current data set.
- John Sager is familiar with this site (Stetsonville). I wonder what his thoughts are?

Call with questions.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
Email: kshimko.meridianenv@gmail.com



LEGEND

- ⊗ MW-1 Monitoring Well
- ○ PW Private Water Well
- ● Vapor Probe

0 100 (ft)

approximate scale (ft)

Figure B.3.d
Monitoring Well Map
Ed's Service
Stetsonville, WI

PROJECT NO.	PREPARED BY
05F684	KAS
DATE	REVIEWED BY
10/15/2013	KAS

Meridian Environmental Consulting, LLC

Table A.1: Ground Water Analytical Data
Page5 of 5
Eds Service (03-61-183093

Well	Units	1,2,4-TMB	1,3,5-TMB	Total TMBs	Benzene	Ethylbenzene	m&p-xylene	0-xylene	Total Xylenes	MTBE	Naphthalene	Toluene	EDB	1,2-DCA
NR140 ES	ug/l			**480**	**5**	**700**			**2000**	**60**	**100**	**800**	**0.05**	**5**
NR140 PAL	ug/l			*96*	*0.5*	*140*			*400*	*12*	*10*	*160*	*0.005*	*0.5*
Rindts Shop (Ed's Service)														
12/5/2006	ug/l	<.4	<.31	<.4	<.31	<.5	<.62	<.3	<.62	<.3	<.8	<.3	NA	NA
4/2/2007	ug/l	<.2	<.2	<.2	<.2	<.1	<.4	<.2	<.4	<.2	<1	<.4	<.2	<.2
6/17/2008	ug/l	<.2	<.2	<.2	0.39	<.2	<.4	<.2	<.4	<.5	<.024	<.4	<.3	<.3
12/9/2008	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	<.5	<.11	<.4	<.3	<.3
4/27/2009	ug/l	<.2	<.2	<.2	0.24	<.2	<.4	<.2	<.4	<.5	<.11	0.54	<.3	<.3
7/22/2009	ug/l	<.2	<.2	<.2	0.22	<.2	<.4	<.2	<.4	<.5	<1	0.81	<.3	0.32
6/21/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	<.5	<1	<.4	<.3	<.3
12/7/2010	ug/l	<.2	<.2	<.2	*0.57*	<.2	<.4	<.2	<.4	<.5	<1	<.4	<.3	*0.5*
		Abandoned 2011 (now on municipal water system)												
315 Lincoln														
6/21/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	<.5	<1	<.4	<.3	<.3
12/7/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	<.5	<1	<.4	<.3	<.3
		Abandoned 2011 (now on municipal water system)												
331 Lincoln														
6/21/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	<.5	<1	<.4	<.3	<.3
12/7/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	<.5	<1	<.4	<.3	<.3
		Abandoned 2011 (now on municipal water system)												
109 Mink														
6/21/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	0.76	<1	<.4	<.3	<.3
12/7/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	1.25	<1	<.4	<.3	<.3
		Abandoned 2011 (now on municipal water system)												
125 Mink														
6/21/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	1.01	<1	<.4	<.3	<.3
12/7/2010	ug/l	<.2	<.2	<.2	<.2	<.2	<.4	<.2	<.4	2.3	<1	<.4	<.3	<.3
		Abandoned 2011 (now on municipal water system)												

10 Bold indicates concentration exceeds NR140 ES
10 Italics indicates concentration exceeds NR140 PAL
NA-parameter not analyzed

Table 2: Ground Water Analtytical Results
Olson Goodman, Inc.
Stetsonville, WI
Meridian No. 05F807

BOLD - concentration exceeds NR140 ES
Italics - concentration exceeds NR140 PAL

Sample	Benzene	Ethylbenzene	MTBE	Naphthalene	Toluene	1,2,4-TMB	1,3,5-TMB	Total TMBs	m,p-xylenes	o-xylenes	Xylene (Total)
Units	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l	ug/l			ug/l
NR140 ES	5	700	60	100	800			480			2000
NR140 PAL	0.5	140	12	10	160			96			400
MW-9	*Installed 1/22/2010 (as part of Ed's Service site)*										
(samples collected as part of Ed's Service site)											
3/24/2010	<.2	<.2	<.5	<1	<.4	<.2	<.2	<.2	<.4	<.2	<.4
6/21/2010	<.2	<.2	<.5	<1	<.4	<.2	<.2	<.2	<.4	<.2	<.4
9/20/2010	<.2	<.2	<.5	<1	<.4	<.2	<.2	<.2	<.4	<.2	<.4
12/7/2010	<.2	<.2	<.5	<1	<.4	<.2	<.2	<.2	<.4	<.2	<.4
11/8/2011	<.2	<.2	<.5	NA	<.4	<.2	<.2	<.2	<.4	<.2	<.4
5/10/2012	*0.87*	<.2	<.5	NA	<.4	<.2	<.2	<.2	<.4	<.2	<.4
6/20/2014	<.5	<.5	<.17	NA	<.5	<.5	<.5	<.5			<1.5
9/23/2014	<.5	<.5	<.17	NA	<.5	<.5	<.5	<.5			<1.5
6/14/2016	<.4	<.39	<.48	NA	<.48	<.42	<.42	<.42			<1.2
(samples collected as part of Olson Goodman site)											
5/24/2017	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42			<1.2
8/29/2017	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42			<1.2
11/13/2017	<.4	<.39	<.48	<.42	<.39	<.42	<.42	<.42			<1.2
5/7/2018	<.31	<.33	<.32	<.51	<.49	<.34	<.33	<.34			<.97
MW-9P	*Installed 1/22/2010 (as part of Ed's Service site)*										
(samples collected as part of Ed's Service site)											
3/24/2010	*0.54*	<.2	**88.8**	<1	<.4	<.2	<.2	<.2	<.4	<.2	<.4
6/21/2010	<.2	<.2	**142**	<1	<.4	<.2	<.2	<.2	<.4	<.2	<.4
9/20/2010	<.2	<.2	**99.7**	<1	<.4	<.2	<.2	<.2	<.4	<.2	<.4
12/7/2010	<.2	<.2	**111**	<1	<.4	<.2	<.2	<.2	<.4	<.2	<.4
11/8/2011	<.2	<.2	**69.5**	NA	<.4	<.2	<.2	<.2	<.4	<.2	<.4
5/10/2012	0.49	<.2	**171**	NA	<.4	<.2	<.2	<.2	<.4	<.2	<.4
6/20/2014	<.5	<.5	**141**	NA	<.5	<.5	<.5	<.5			<1.5
9/23/2014	<.5	<.5	**146**	NA	<.5	<.5	<.5	<.5			<1.5
3/30/2016	<.4	<.39	**106**	<.42	<.39	<.42	<.42	<.42			<1.2
6/14/2016	<.4	<.39	**83.3**	NA	<.39	<.42	<.42	<.42			<1.2
(samples collected as part of Olson Goodman site) (excavation completed October 2016)											
5/24/2017	<.4	<.39	*31.2*	<.42	<.39	<.42	<.42	<.42			<1.2
8/29/2017	*.53J*	<.39	*44.2*	<.42	<.39	<.42	<.42	<.42			<1.2
11/13/2017	*.67J*	<.39	*39.2*	<.42	<.39	<.42	<.42	<.42			<1.2
5/7/2018	<.31	<.33	*29.5*	<.51	<.49	<.34	<.33	<.34			<.97

ES = 60
PAL = 12

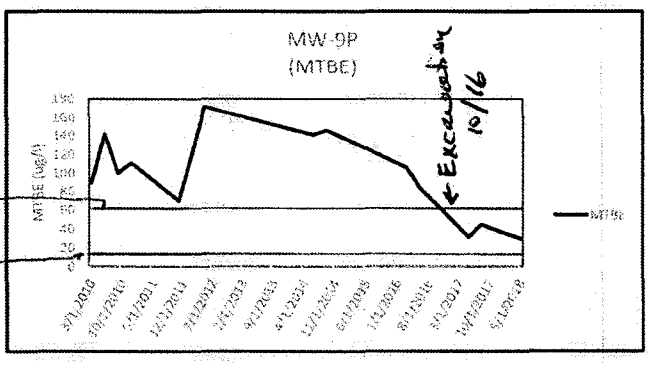


Table 4: Ground Water Level Measurements
Olson Goodman Inc
Stetsonville, WI
Meridian No. 05F807

MW-1 (installed October 16, 2015)		
Surface Elevation (ft)		98
Top of Casing elevation (ft)		97.73
Top of Screen Elevation (ft)		92.73
Bottom of Screen Elevation (ft)		82.73
Measurement Date	DTW (ft)	GW Elev (ft)
11/5/2015	4.42	93.31
3/30/2016	3.78	93.95
6/14/2016 (1 inch LNAPL)	3.1	94.63
10/31/16 Abandoned due to remedial excavation		

MW-1R (installed April 26, 2017)		
Surface Elevation (ft)		101.75
Top of Casing elevation (ft)		101.66
Top of Screen Elevation (ft)		96.75
Bottom of Screen Elevation (ft)		86.75
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	0.74	100.92
8/29/2017	2.48	99.18
11/13/2017	2.58	99.08
Resurvey 5/7/18		101.44
5/7/2018	1.08	100.36

MW-2A (installed 4/24/17)		
Surface Elevation (ft)		100.25
Top of Casing elevation (ft)		100
Top of Screen Elevation (ft)		95.25
Bottom of Screen Elevation (ft)		85.25
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	0.82	99.18
8/29/2017	2.46	97.54
11/13/2017	2.55	97.45
Resurvey 5/7/18		100
5/7/2018	1.23	98.77

MW-2B (installed 4/24/17)		
Surface Elevation (ft)		100.25
Top of Casing elevation (ft)		99.96
Top of Screen Elevation (ft)		70.25
Bottom of Screen Elevation (ft)		65.25
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	1.71	98.25
8/29/2017	3.95	96.01
11/13/2017	3.3	96.66
Resurvey 5/7/18		99.99
5/7/2018	2.7	97.29

MW-3A (installed 4/25/17)		
Surface Elevation (ft)		100.5
Top of Casing elevation (ft)		100.22
Top of Screen Elevation (ft)		95.5
Bottom of Screen Elevation (ft)		85.5
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	1.52	98.7
8/29/2017	3.37	96.85
11/13/2017	3.17	97.05
Resurvey 5/7/18		100.19
5/7/2018	2.01	98.18

MW-3B (installed 4/25/17)		
Surface Elevation (ft)		100.5
Top of Casing elevation (ft)		99.02
Top of Screen Elevation (ft)		70.5
Bottom of Screen Elevation (ft)		65.5
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	1.74	97.28
8/29/2017	3.88	95.14
11/13/2017	3.3	95.72
Resurvey 5/7/18		100.17
5/7/2018	2.54	97.63

MW-4 (installed 4/26/17)		
Surface Elevation (ft)		101.25
Top of Casing elevation (ft)		100.94
Top of Screen Elevation (ft)		96.25
Bottom of Screen Elevation (ft)		86.25
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	1.69	99.25
8/29/2017	5.35	95.59
11/13/2017	2.72	98.22
Resurvey 5/7/18		100.85
5/7/2018	2.54	98.31

MW-5 (installed 4/26/17)		
Surface Elevation (ft)		100.75
Top of Casing elevation (ft)		100.46
Top of Screen Elevation (ft)		95.75
Bottom of Screen Elevation (ft)		85.75
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	0.48	99.98
8/29/2017	1.42	99.04
11/13/2017	1.6	98.86
Resurvey 5/7/18		100.27
5/7/2018	1.53	98.74

MW-7 (installed Feb. 20, 2008)(transferred from adjacent site - Ed's Service)		
Surface Elevation (ft)		102.75
Top of Casing elevation (ft)		102.47
Top of Screen Elevation (ft)		97.75
Bottom of Screen Elevation (ft)		82.75
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	1.06	101.41
8/29/2017	2.6	99.87
11/13/2017	2.54	99.93
Resurvey 5/7/18		102.52
5/7/2018	1.6	100.92

MW-7P (installed Jan. 22, 2010)(transferred from adjacent site - Ed's Service)		
Surface Elevation (ft)	unsurveyed	
Top of Casing elevation (ft)		
Top of Screen Elevation (ft)		
Bottom of Screen Elevation (ft)		
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	0.58	-0.58
8/29/2017		
11/13/2017	na	
Resurvey 5/7/18		101.58
5/7/2018	0.76	100.82

MW-9 (installed Jan. 22, 2010)(transferred from adjacent site - Ed's Service)		
Surface Elevation (ft)		101
Top of Casing elevation (ft)		100.58
Top of Screen Elevation (ft)		96
Bottom of Screen Elevation (ft)		81
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	1.81	98.77
8/29/2017	3.96	96.62
11/13/2017	3.23	97.35
Resurvey 5/7/18		100.38
5/7/2018	2.41	97.97

MW-9P (installed Jan. 22, 2010)(transferred from adjacent site - Ed's Service)		
Surface Elevation (ft)		101
Top of Casing elevation (ft)		100.51
Top of Screen Elevation (ft)		71
Bottom of Screen Elevation (ft)		66
Measurement Date	DTW (ft)	GW Elev (ft)
5/24/2017	2.3	98.21
8/29/2017	4.73	95.78
11/13/2017	3.91	96.6
Resurvey 5/7/18		100.32
5/7/2018	3.09	97.23

Downward vertical Gradient ↓

Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Tuesday, May 29, 2018 6:45 AM
To: 'Ken Shimko'
Subject: RE: Change Order - Olson Goodman-approval

HI Ken, thanks for catching this. I will put a note in Tracker. Please submit this email approval when you submit your claim. Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

5/25/18
I put a note in Tracker w/ correction.
-C Stoltz

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Friday, May 25, 2018 11:15 AM
To: Stoltz, Carrie R - DNR <Carrie.Stoltz@wisconsin.gov>
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Carrie.

I just noticed a typo in the attached Change Order which didn't affect our reimbursement claims until now.

The Change Order includes approval for seven (7) IS05 which is "coord of initial site survey.." ($117.18 x 7 = $820.26). The Change Order should have been for approval of seven (7) IS10 " Subsequent Surveys" ($110.15 x 7 = $771.05).

I think a simple email will be adequate for Tracker and for Claims Review.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

From: Stoltz, Carrie R - DNR [mailto:Carrie.Stoltz@wisconsin.gov]
Sent: Wednesday, October 19, 2016 11:11 AM
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Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

From: Stoltz, Carrie R - DNR [mailto:Carrie.Stoltz@wisconsin.gov]
Sent: Wednesday, October 19, 2016 11:11 AM
To: Ken Shimko <kshimko.meridianenv@gmail.com>
Subject: RE: Change Order - Olson Goodman-approval

Hi Ken, attached is the approval letter + U&C for Olson & Goodman. A hard copy will be sent out via USPS. Thanks for your patience, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Thursday, October 13, 2016 3:40 PM
To: Stoltz, Carrie R - DNR
Subject: Change Order - Olson Goodman

Kenneth Shimko, PG
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2711 North Elco Road
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(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

Stoltz, Carrie R - DNR

From: Fassbender, Judy L - DNR
Sent: Wednesday, May 31, 2017 8:18 AM
To: Stoltz, Carrie R - DNR
Cc: Robinson, John H - DNR
Subject: RE: Olson & Goodman MW repair U&C

Approved.

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Judy Fassbender
Phone: (608) 266-7278
Judy.Fassbender@Wisconsin.gov

From: Stoltz, Carrie R - DNR
Sent: Tuesday, May 30, 2017 7:19 AM
To: Fassbender, Judy L - DNR
Subject: Olson & Goodman MW repair U&C
Importance: High

Hi Judy, this one is pretty straight forward. I thought we could discuss on Wednesday with Odau. Thanks, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Hydrogeologist-Remediation and Redevelopment, AWARE Division
Wisconsin Department of Natural Resources
107 Sutliff Avenue, Rhinelander, WI 54501
Phone: (715)365-8942
Fax: (715)365-8932
Carrie.Stoltz@Wisconsin.gov


dnr.wi.gov


Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Wednesday, May 31, 2017 9:28 AM
To: 'Ken Shimko'
Subject: RE: Well Repair - MW-7P (Olson Goodman/Eds Service)-approved
Attachments: 20170531091731730.pdf

Hi Ken, attached is the approval letter + U&C for MW -7P repair. A hard copy will be sent via USPS. Thanks, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Monday, May 29, 2017 4:47 AM
To: Stoltz, Carrie R - DNR
Subject: Well Repair - MW-7P (Olson Goodman/Eds Service)

Hi Carrie.

Please see attached picture of manway for MW-7P at Olson Goodman/Eds Service site in Stetsonville. As you can see, the manway has rusted and is no longer attached. The manway should be replaced.

Please approve:

MDT10 $202.65 Well Cover/Flushmount

I will put in new flush-mount next time I am there.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

Stoltz, Carrie R - DNR

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Monday, May 29, 2017 4:47 AM
To: Stoltz, Carrie R - DNR
Subject: Well Repair - MW-7P (Olson Goodman/Eds Service)
Attachments: IMG_20170524_123016.jpg

Hi Carrie.

Please see attached picture of manway for MW-7P at Olson Goodman/Eds Service site in Stetsonville. As you can see, the manway has rusted and is no longer attached. The manway should be replaced.

Please approve:

MDT10 $202.65 Well Cover/Flushmount

I will put in new flush-mount next time I am there.

Thanks

03-61-563926
Decfa# 54480-9742-28

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

Stoltz, Carrie R - DNR

From: Fassbender, Judy L - DNR
Sent: Thursday, May 11, 2017 8:02 AM
To: Stoltz, Carrie R - DNR
Subject: RE: Olson & Goodman cost request

Approved. Good Luck.

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Judy Fassbender
Phone: (608) 266-7278
Judy.Fassbender@Wisconsin.gov

From: Stoltz, Carrie R - DNR
Sent: Tuesday, May 09, 2017 2:37 PM
To: Fassbender, Judy L - DNR
Subject: Olson & Goodman cost request
Importance: High

Hi Judy, attached is the U&C, approval letter & request for Olson and Goodman. If time permits, I thought we could discuss this one on Thursday also. Thanks, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Hydrogeologist-Remediation and Redevelopment, AWARE Division
Wisconsin Department of Natural Resources
107 Sutliff Avenue, Rhinelander, WI 54501
Phone: (715)365-8942
Fax: (715)365-8932
Carrie.Stoltz@Wisconsin.gov


dnr.wi.gov


Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Thursday, May 11, 2017 8:49 AM
To: 'Ken Shimko'
Subject: RE: Change Order - Olson Goodman-approval attached
Attachments: 20170511084843714.pdf

Hi Ken, attached is the approval letter + U&C. A hard copy will be sent via USPS. Please let me know if you have any questions. Thanks, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Tuesday, May 09, 2017 9:13 AM
To: Stoltz, Carrie R - DNR
Subject: RE: Change Order - Olson Goodman-approval

Carrie.

Attached is Change Order to add MWs 7, 7P, 9, 9P to the current sampling program. This was in original Change Order but not included final version (dated 10/17/16).

I recommend these 4 wells be added because the excavation has been completed and the Closure Committee typically requests at least 4 qtrs of sampling after excavation...and sometimes up to 8 qtrs of sampling. We would lose an entire year of sampling if these wells are not included.

FYI – the excavation was completed last fall (Oct. 31 – Nov 1). The MWs were installed late April (installation delayed to address Village concerns). I am planning sampling next week...will include 4 additional wells upon DNR approval.

Please call with questions.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

Stoltz, Carrie R - DNR

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Tuesday, May 09, 2017 9:13 AM
To: Stoltz, Carrie R - DNR
Subject: RE: Change Order - Olson Goodman-approval
Attachments: Chg Order - add 7,7P,9,9P x 4 events.pdf

Carrie.

Attached is Change Order to add MWs 7, 7P, 9, 9P to the current sampling program. This was in original Change Order but not included final version (dated 10/17/16).

I recommend these 4 wells be added because the excavation has been completed and the Closure Committee typically requests at least 4 qtrs of sampling after excavation...and sometimes up to 8 qtrs of sampling. We would lose an entire year of sampling if these wells are not included.

FYI – the excavation was completed last fall (Oct. 31 – Nov 1). The MWs were installed late April (installation delayed to address Village concerns). I am planning sampling next week...will include 4 additional wells upon DNR approval.

Please call with questions.

Thanks

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Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

328 South Hwy 13 Stetsonville

From: Stoltz, Carrie R - DNR [mailto:Carrie.Stoltz@wisconsin.gov]
Sent: Wednesday, October 19, 2016 11:11 AM
To: Ken Shimko <kshimko.meridianenv@gmail.com>
Subject: RE: Change Order - Olson Goodman-approval

Hi Ken, attached is the approval letter + U&C for Olson & Goodman. A hard copy will be sent out via USPS. Thanks for your patience, Carrie

We are committed to service excellence.
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Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

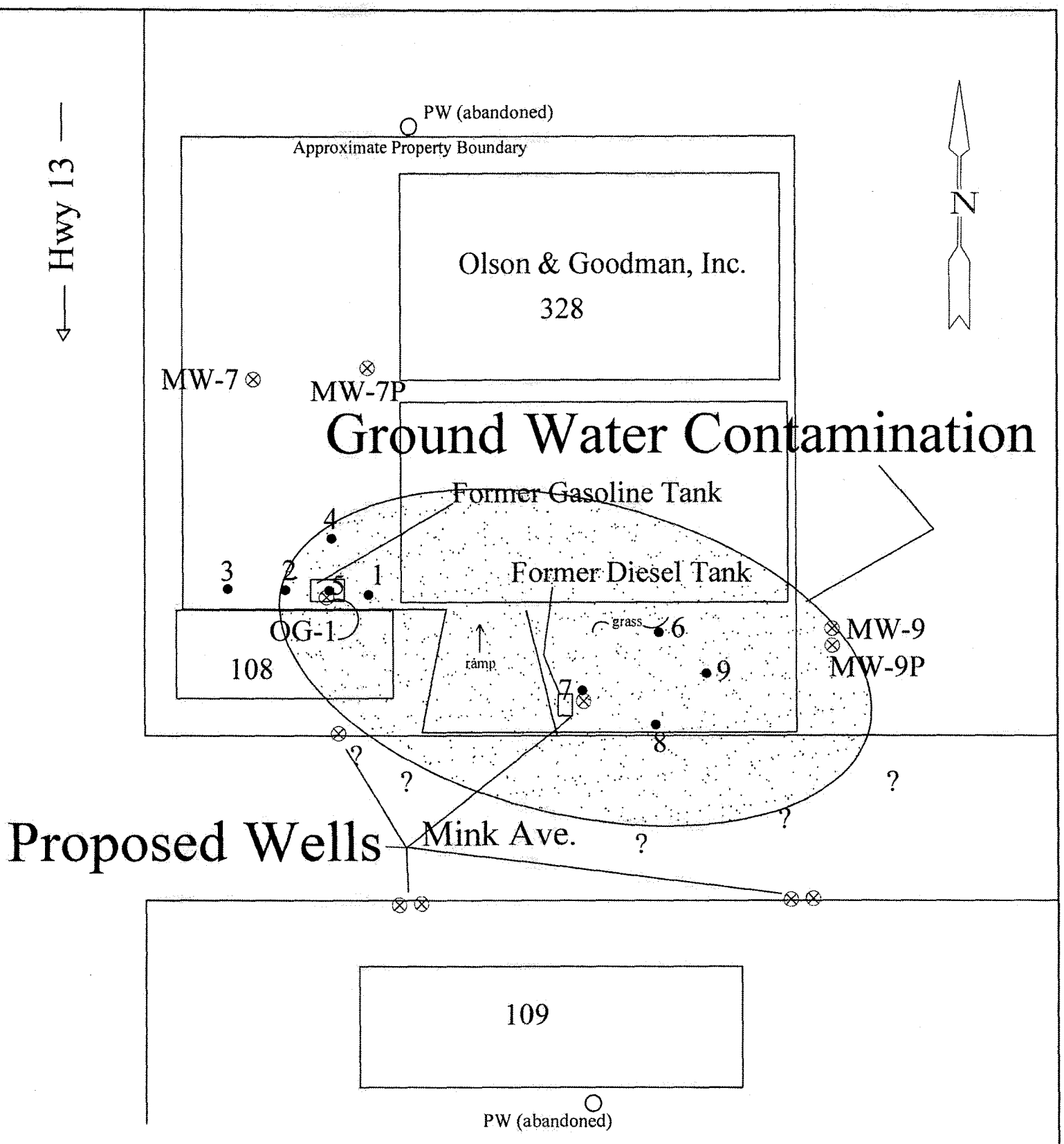

Figure 7
Ground Water Contamination
Olson & Goodman
Stetsonville, WI

PROJECT NO.	PREPARED BY
05F807	KAS
DATE	REVIEWED BY
9/6/16	KAS

Meridian Environmental Consulting, LLC

Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Tuesday, March 21, 2017 6:23 AM
To: 'Ken Shimko'
Subject: RE: Project Update: Olson Goodman in Stetsonville

Thanks Ken. Boy, you were working late!

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Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Monday, March 20, 2017 10:15 PM
To: Stoltz, Carrie R - DNR
Subject: Project Update: Olson Goodman in Stetsonville

Carrie.

Brief update re: Olson Goodman site in Stetsonville.

I spoke to the Village utility guys and we agreed on last week in April. I will put wells in the last week in April and return to sample following week (1st week of May).

Will keep you posted.

Ken

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Wednesday, January 04, 2017 8:17 AM
To: 'Ken Shimko'
Subject: Request for Variance: Olson Goodman (54480-9742-28) - Private Utility Locate-approval
Attachments: 20170104080420836.pdf

Hi Ken, attached is the variance approval letter for the private utility locate. Let me know if you have any questions. Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

1/3/17 verbally approved by John R. CS

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Tuesday, January 03, 2017 9:45 AM
To: Stoltz, Carrie R - DNR
Subject: RE: Request for Variance: Olson Goodman (54480-9742-28) - Private Utility Locate

I do not have anything in writing from these guys...nor will there be...they are not interested in the work but my locator will do it for me as a favor...(for $200 – verbal)...electrician was not interested in work nor would he give me price...but said Time and Materials ... I told him other guy would do it for $200...he wouldn't commit to that..said it might be more...at least my locator would commit to $200

From: Stoltz, Carrie R - DNR [mailto:Carrie.Stoltz@wisconsin.gov]
Sent: Tuesday, January 03, 2017 8:05 AM
To: Ken Shimko <kshimko.meridianenv@gmail.com>
Subject: RE: Request for Variance: Olson Goodman (54480-9742-28) - Private Utility Locate

Hi Ken, I can discuss this with John today, however, do you have a bid or something in writing from the electrician for the $200.00? thanks, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Monday, January 02, 2017 3:36 PM
To: Stoltz, Carrie R - DNR
Subject: Request for Variance: Olson Goodman (54480-9742-28) - Private Utility Locate

Hi Carrie.

This email requests approval to incur $200 for Private Utility Locate at Olson Goodman site.

Background:

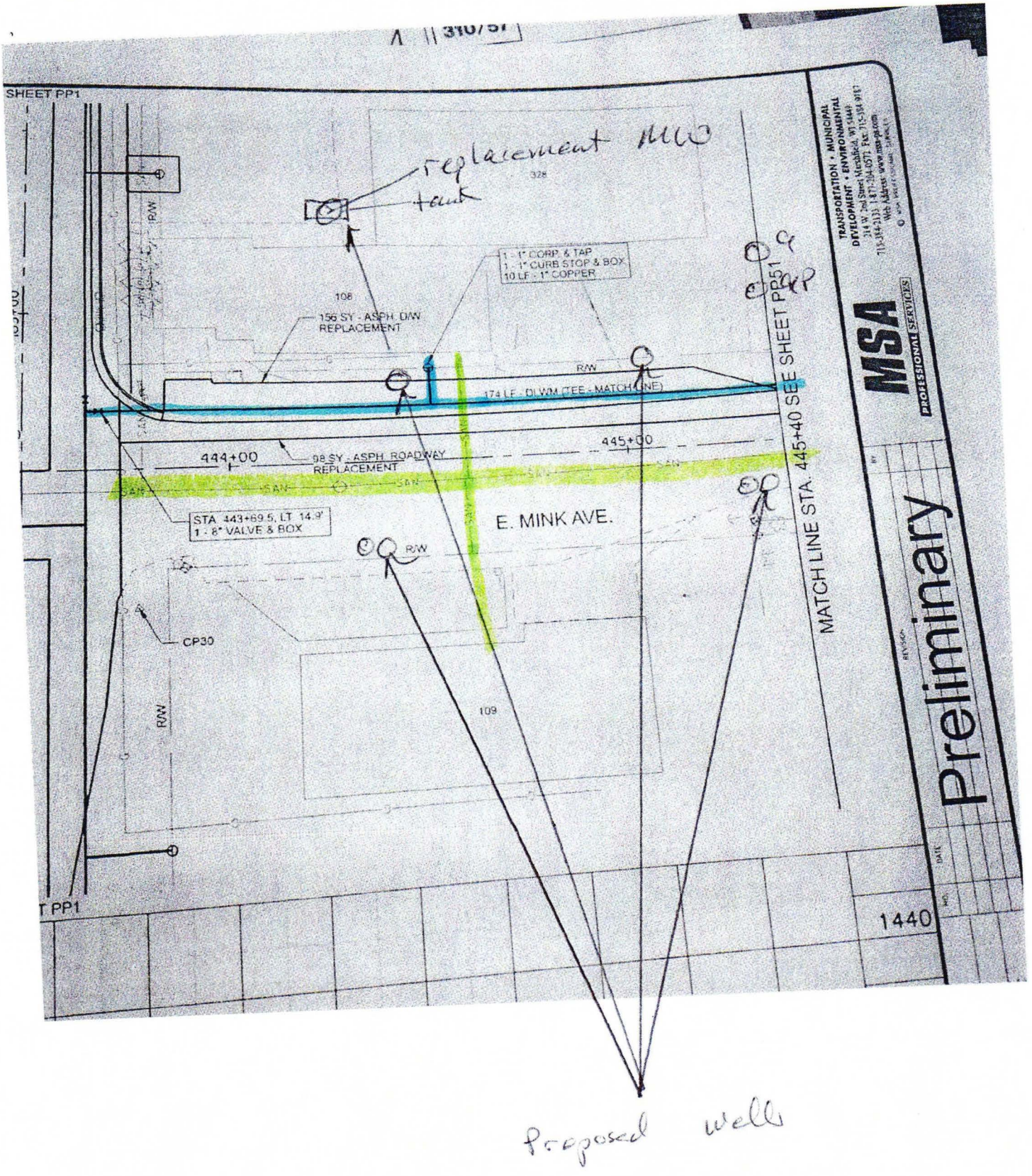
I am planning to drill in Stetsonville next week (Jan. 9th). As part of normal drilling prep, I contacted Diggers Hotline to locate public utilities. Because the Village of Stetsonville is not included as part of Diggers, I met with the Village Public Works guys (Jay and Chad) on November 29, 2016. Together, we reviewed the proposed well locations and the street utility plans they have. This identified a significant water main very near the proposed well location(s) (see attached). Although we have a good idea where this water main is, I would like to locate it as closely as possible. According to the Village utility records, tracer wires were buried with the plastic water mains. We should be able to connect to the tracer wires and locate the water main almost exactly (so we can stay as far away as possible during drilling). Unfortunately, the Village does not have the equipment to connect to the tracer wires. I tracked down an electrician in Medford (Bob Gebert of NBK) who said he could do it but would not agree to PECFA U&C rate for Private Utility Locate (U&C MDT41 - $117.18). He said it would have to be Time and Materials and no guarantee how much that might be.

My normal Private Utility guy agreed to do it but due to the location, his cost will be $200.

Please approve a Private Utility Locate of $200 for the drilling at Olson Goodman so we can locate the Village of Stetsonville water main (and connections to the houses) as accurately as possible.

Thanks.

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com


SHEET PP1
replacement tank
328
1 - 1" CORP. & TAP
1 - 1" CURB STOP & BOX
10 LF - 1" COPPER
108
156 SY - ASPH. D/W REPLACEMENT
R/W
174 LF - DI,WM,TEE - MATCH LINE
444+00
98 SY - ASPH. ROADWAY REPLACEMENT
445+00
SAN
STA. 443+69.5, LT. 14.9'
1 - 8" VALVE & BOX
E. MINK AVE.
R/W
CP30
109
R/W
MATCH LINE STA. 445+40 SEE SHEET PP51
T PP1
1440
MSA
PROFESSIONAL SERVICES
TRANSPORTATION • MUNICIPAL
DEVELOPMENT • ENVIRONMENTAL
Preliminary
Proposed Well

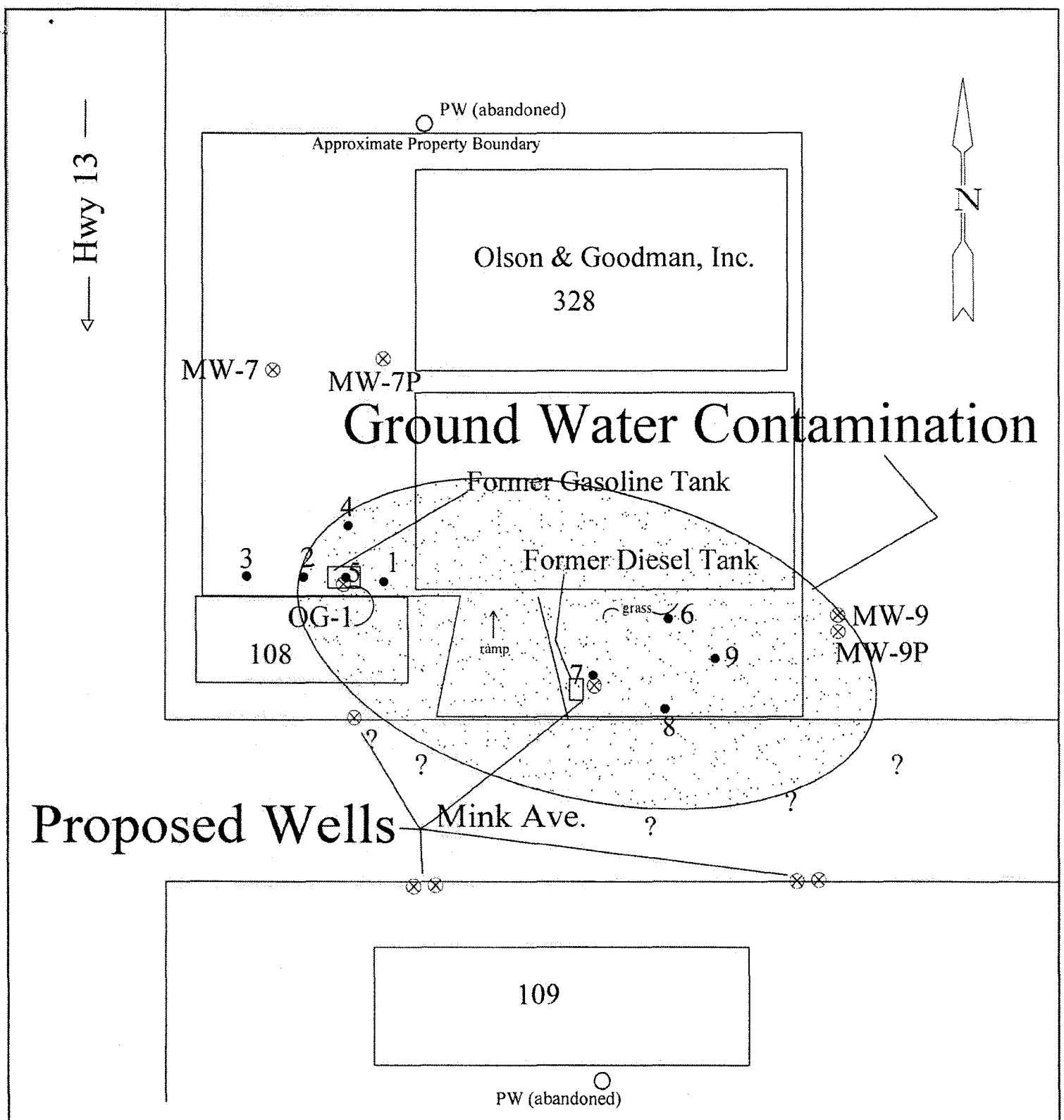


Figure 7
Ground Water Contamination
Olson & Goodman
Stetsonville, WI

PROJECT NO	PREPARED BY
05F807	KAS
DATE	REVIEWED BY
9/6/16	KAS

Meridian Environmental Consulting, LLC

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

November 10, 2016

Excavation results
Southwall
(Pat Reich residence)
Pretty hot!

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742

RE: Project: OLSON GOODMAN
Pace Project No.: 40141351

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on November 04, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC 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,

Brian Basten
brian.basten@pacelabs.com
Project Manager

Enclosures

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

CERTIFICATIONS

Project: OLSON GOODMAN
Pace Project No.: 40141351

Green Bay Certification IDs
1241 Bellevue Street, Green Bay, WI 54302
Florida/NELAP Certification #: E87948
Illinois Certification #: 200050
Kentucky UST Certification #: 82
Louisiana Certification #: 04168
Minnesota Certification #: 055-999-334
New York Certification #: 12064
North Dakota Certification #: R-150
Virginia VELAP ID: 460263
South Carolina Certification #: 83006001
Texas Certification #: T104704529-14-1
Wisconsin Certification #: 405132750
Wisconsin DATCP Certification #: 105-444
USDA Soil Permit #: P330-16-00157
Federal Fish & Wildlife Permit #: LE51774A-0

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE SUMMARY

Project: OLSON GOODMAN
Pace Project No.: 40141351

Lab ID	Sample ID	Matrix	Date Collected	Date Received
40141351001	NE	Solid	11/01/16 00:00	11/04/16 07:30
40141351002	NW	Solid	11/01/16 00:00	11/04/16 07:30
40141351003	WN	Solid	11/01/16 00:00	11/04/16 07:30
40141351004	WS	Solid	11/01/16 00:00	11/04/16 07:30
40141351005	SW	Solid	11/01/16 00:00	11/04/16 07:30
40141351006	SE	Solid	11/01/16 00:00	11/04/16 07:30
40141351007	EN	Solid	11/01/16 00:00	11/04/16 07:30
40141351008	ES	Solid	11/01/16 00:00	11/04/16 07:30
40141351009	FLOOR	Solid	11/01/16 00:00	11/04/16 07:30

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

SAMPLE ANALYTE COUNT

Project: OLSON GOODMAN
Pace Project No.: 40141351

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
40141351001	**NE**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141351002	**NW**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141351003	**WN**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141351004	**WS**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141351005	**SW**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141351006	**SE**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141351007	**EN**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141351008	**ES**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G
40141351009	**FLOOR**	WI MOD GRO	ALD	12	PASI-G
		ASTM D2974-87	AH	1	PASI-G

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Green Bay, WI 54302
(920)469-2436

PROJECT NARRATIVE

Project: OLSON GOODMAN
Pace Project No.: 40141351

Method: **WI MOD GRO**
Description: WIGRO GCV
Client: Meridian Environmental Consulting, LLC
Date: November 10, 2016

General Information:
9 samples were analyzed for WI MOD GRO. 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.

Sample Preparation:
The samples were prepared in accordance with TPH GRO/PVOC WI ext. with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

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

Surrogates:
All surrogates 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.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Additional Comments:

Analyte Comments:

QC Batch: 240450

D3: Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

- SW (Lab ID: 40141351005)
  - a,a,a-Trifluorotoluene (S)

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

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www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

ANALYTICAL RESULTS

Project: OLSON GOODMAN
Pace Project No.: 40141351

Sample: NE **Lab ID: 40141351001** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:06	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:06	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:06	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:06	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:06	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 14:06		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:06	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:06	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	11/07/16 07:00	11/07/16 14:06	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 14:06	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:06	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	11/07/16 07:00	11/07/16 14:06	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.4**	%	0.10	0.10	1		11/04/16 10:39		

Sample: NW **Lab ID: 40141351002** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:32	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:32	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:32	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:32	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:32	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 14:32		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:32	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	11/07/16 07:00	11/07/16 14:32	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 14:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 14:32	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	11/07/16 07:00	11/07/16 14:32	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**8.8**	%	0.10	0.10	1		11/04/16 10:39		

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ANALYTICAL RESULTS

Project: OLSON GOODMAN
Pace Project No.: 40141351

Sample: WN **Lab ID: 40141351003** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:07	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:07	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:07	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:07	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:07	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 19:07		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:07	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:07	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	11/07/16 07:00	11/07/16 19:07	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 19:07	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:07	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	11/07/16 07:00	11/07/16 19:07	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.7**	%	0.10	0.10	1		11/04/16 10:39		

Sample: WS **Lab ID: 40141351004** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:32	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:32	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:32	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:32	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:32	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 19:32		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:32	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:32	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	11/07/16 07:00	11/07/16 19:32	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 19:32	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:32	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	101	%	80-120		1	11/07/16 07:00	11/07/16 19:32	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**9.2**	%	0.10	0.10	1		11/04/16 10:39		

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ANALYTICAL RESULTS

Project: OLSON GOODMAN
Pace Project No.: 40141351

Sample: SW **Lab ID: 40141351005** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<500**	ug/kg	1000	500	20	11/07/16 07:00	11/07/16 16:58	71-43-2	W
Ethylbenzene	**5370**	ug/kg	1140	570	20	11/07/16 07:00	11/07/16 16:58	100-41-4	
Methyl-tert-butyl ether	**<500**	ug/kg	1000	500	20	11/07/16 07:00	11/07/16 16:58	1634-04-4	W
Naphthalene	**10200**	ug/kg	1140	570	20	11/07/16 07:00	11/07/16 16:58	91-20-3	
Toluene	**2500**	ug/kg	1140	570	20	11/07/16 07:00	11/07/16 16:58	108-88-3	
Total Trimethylbenzenes	**68500**	ug/kg	2280	1140	20	11/07/16 07:00	11/07/16 16:58		
1,2,4-Trimethylbenzene	**49600**	ug/kg	1140	570	20	11/07/16 07:00	11/07/16 16:58	95-63-6	
1,3,5-Trimethylbenzene	**18900**	ug/kg	1140	570	20	11/07/16 07:00	11/07/16 16:58	108-67-8	
Xylene (Total)	**23300**	ug/kg	3420	1710	20	11/07/16 07:00	11/07/16 16:58	1330-20-7	
m&p-Xylene	**15200**	ug/kg	2280	1140	20	11/07/16 07:00	11/07/16 16:58	179601-23-1	
o-Xylene	**8100**	ug/kg	1140	570	20	11/07/16 07:00	11/07/16 16:58	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	104	%	80-120		20	11/07/16 07:00	11/07/16 16:58	98-08-8	D3
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**12.2**	%	0.10	0.10	1		11/04/16 10:39		

Sample: SE **Lab ID: 40141351006** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**121J**	ug/kg	171	85.7	2.5	11/07/16 07:00	11/09/16 08:44	71-43-2	
Ethylbenzene	**872**	ug/kg	171	85.7	2.5	11/07/16 07:00	11/09/16 08:44	100-41-4	
Methyl-tert-butyl ether	**<62.5**	ug/kg	125	62.5	2.5	11/07/16 07:00	11/09/16 08:44	1634-04-4	W
Naphthalene	**3280**	ug/kg	171	85.7	2.5	11/07/16 07:00	11/09/16 08:44	91-20-3	
Toluene	**642**	ug/kg	171	85.7	2.5	11/07/16 07:00	11/09/16 08:44	108-88-3	
Total Trimethylbenzenes	**31100**	ug/kg	343	171	2.5	11/07/16 07:00	11/09/16 08:44		
1,2,4-Trimethylbenzene	**19200**	ug/kg	171	85.7	2.5	11/07/16 07:00	11/09/16 08:44	95-63-6	
1,3,5-Trimethylbenzene	**12000**	ug/kg	171	85.7	2.5	11/07/16 07:00	11/09/16 08:44	108-67-8	
Xylene (Total)	**9940**	ug/kg	514	257	2.5	11/07/16 07:00	11/09/16 08:44	1330-20-7	
m&p-Xylene	**5680**	ug/kg	343	171	2.5	11/07/16 07:00	11/09/16 08:44	179601-23-1	
o-Xylene	**4260**	ug/kg	171	85.7	2.5	11/07/16 07:00	11/09/16 08:44	95-47-6	
Surrogates									
a,a,a-Trifluorotoluene (S)	119	%	80-120		2.5	11/07/16 07:00	11/09/16 08:44	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**27.1**	%	0.10	0.10	1		11/04/16 10:39		

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ANALYTICAL RESULTS

Project: OLSON GOODMAN
Pace Project No.: 40141351

Sample: EN **Lab ID: 40141351007** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:58	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:58	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:58	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:58	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:58	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 19:58		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:58	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:58	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	11/07/16 07:00	11/07/16 19:58	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 19:58	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 19:58	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	11/07/16 07:00	11/07/16 19:58	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.4**	%	0.10	0.10	1		11/04/16 10:39		

Sample: ES **Lab ID: 40141351008** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:24	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:24	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:24	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:24	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:24	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 20:24		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:24	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:24	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	11/07/16 07:00	11/07/16 20:24	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 20:24	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:24	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	100	%	80-120		1	11/07/16 07:00	11/07/16 20:24	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**10.2**	%	0.10	0.10	1		11/04/16 10:39		

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ANALYTICAL RESULTS

Project: OLSON GOODMAN
Pace Project No.: 40141351

Sample: FLOOR **Lab ID: 40141351009** Collected: 11/01/16 00:00 Received: 11/04/16 07:30 Matrix: Solid

Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
WIGRO GCV	Analytical Method: WI MOD GRO Preparation Method: TPH GRO/PVOC WI ext.								
Benzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:49	71-43-2	W
Ethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:49	100-41-4	W
Methyl-tert-butyl ether	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:49	1634-04-4	W
Naphthalene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:49	91-20-3	W
Toluene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:49	108-88-3	W
Total Trimethylbenzenes	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 20:49		W
1,2,4-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:49	95-63-6	W
1,3,5-Trimethylbenzene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:49	108-67-8	W
Xylene (Total)	**<75.0**	ug/kg	150	75.0	1	11/07/16 07:00	11/07/16 20:49	1330-20-7	W
m&p-Xylene	**<50.0**	ug/kg	100	50.0	1	11/07/16 07:00	11/07/16 20:49	179601-23-1	W
o-Xylene	**<25.0**	ug/kg	50.0	25.0	1	11/07/16 07:00	11/07/16 20:49	95-47-6	W
Surrogates									
a,a,a-Trifluorotoluene (S)	102	%	80-120		1	11/07/16 07:00	11/07/16 20:49	98-08-8	
Percent Moisture	Analytical Method: ASTM D2974-87								
Percent Moisture	**14.2**	%	0.10	0.10	1		11/04/16 10:39		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: OLSON GOODMAN
Pace Project No.: 40141351

QC Batch: 240450 Analysis Method: WI MOD GRO
QC Batch Method: TPH GRO/PVOC WI ext. Analysis Description: WIGRO Solid GCV
Associated Lab Samples: 40141351001, 40141351002, 40141351003, 40141351004, 40141351005, 40141351006, 40141351007, 40141351008, 40141351009

METHOD BLANK: 1424989 Matrix: Solid
Associated Lab Samples: 40141351001, 40141351002, 40141351003, 40141351004, 40141351005, 40141351006, 40141351007, 40141351008, 40141351009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	<25.0	50.0	11/07/16 08:42	
1,3,5-Trimethylbenzene	ug/kg	<25.0	50.0	11/07/16 08:42	
Benzene	ug/kg	<25.0	50.0	11/07/16 08:42	
Ethylbenzene	ug/kg	<25.0	50.0	11/07/16 08:42	
m&p-Xylene	ug/kg	<50.0	100	11/07/16 08:42	
Methyl-tert-butyl ether	ug/kg	<25.0	50.0	11/07/16 08:42	
Naphthalene	ug/kg	<25.0	50.0	11/07/16 08:42	
o-Xylene	ug/kg	<25.0	50.0	11/07/16 08:42	
Toluene	ug/kg	<25.0	50.0	11/07/16 08:42	
Total Trimethylbenzenes	ug/kg	<50.0	100	11/07/16 08:42	
Xylene (Total)	ug/kg	<75.0	150	11/07/16 08:42	
a,a,a-Trifluorotoluene (S)	%	101	80-120	11/07/16 08:42	

LABORATORY CONTROL SAMPLE & LCSD: 1424990 1424991

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/kg	1000	955	996	96	100	80-120	4	20	
1,3,5-Trimethylbenzene	ug/kg	1000	929	972	93	97	80-120	5	20	
Benzene	ug/kg	1000	934	962	93	96	80-120	3	20	
Ethylbenzene	ug/kg	1000	940	972	94	97	80-120	3	20	
m&p-Xylene	ug/kg	2000	1860	1930	93	96	80-120	4	20	
Methyl-tert-butyl ether	ug/kg	1000	952	971	95	97	80-120	2	20	
Naphthalene	ug/kg	1000	884	935	88	93	80-120	6	20	
o-Xylene	ug/kg	1000	936	970	94	97	80-120	4	20	
Toluene	ug/kg	1000	946	968	95	97	80-120	2	20	
Total Trimethylbenzenes	ug/kg	2000	1880	1970	94	98	80-120	4	20	
Xylene (Total)	ug/kg	3000	2790	2900	93	97	80-120	4	20	
a,a,a-Trifluorotoluene (S)	%				102	102	80-120			

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.

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QUALITY CONTROL DATA

Project: OLSON GOODMAN
Pace Project No.: 40141351

QC Batch: 240353 Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 40141351001, 40141351002, 40141351003, 40141351004, 40141351005, 40141351006, 40141351007, 40141351008, 40141351009

SAMPLE DUPLICATE: 1423866

Parameter	Units	40141331003 Result	Dup Result	RPD	Max RPD	Qualifiers
Percent Moisture	%	17.7	17.9	1	10	

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.

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Green Bay, WI 54302
(920)469-2436

QUALIFIERS

Project: OLSON GOODMAN
Pace Project No.: 40141351

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.

LABORATORIES

PASI-G	Pace Analytical Services - Green Bay

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
W	Non-detect results are reported on a wet weight basis.

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, LLC
1241 Bellevue Street - Suite 9
Green Bay, WI 54302
(920)469-2436

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: OLSON GOODMAN
Pace Project No.: 40141351

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
40141351001	**NE**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351002	**NW**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351003	**WN**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351004	**WS**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351005	**SW**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351006	**SE**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351007	**EN**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351008	**ES**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351009	**FLOOR**	TPH GRO/PVOC WI ext.	240450	WI MOD GRO	240527
40141351001	**NE**	ASTM D2974-87	240353		
40141351002	**NW**	ASTM D2974-87	240353		
40141351003	**WN**	ASTM D2974-87	240353		
40141351004	**WS**	ASTM D2974-87	240353		
40141351005	**SW**	ASTM D2974-87	240353		
40141351006	**SE**	ASTM D2974-87	240353		
40141351007	**EN**	ASTM D2974-87	240353		
40141351008	**ES**	ASTM D2974-87	240353		
40141351009	**FLOOR**	ASTM D2974-87	240353		

UPPER MIDWEST REGION
MN: 612-607-1700 WI: 920-469-2436

Page 1 of

40141351

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www.pacelabs.com

CHAIN OF CUSTODY

*Preservation Codes
A=None B=HCL C=H2SO4 D=HNO3 E=DI Water F=Methanol G=NaOH
H=Sodium Bisulfate Solution I=Sodium Thiosulfate J=Other

(Please Print Clearly)	
Company Name:	Meridian Env. Eng
Branch/Location:	
Project Contact:	Ken Shimko
Phone:	715-832-6608
Project Number:	
Project Name:	Olson Goodman
Project State:	WI
Sampled By (Print):	Ken Shimko
Sampled By (Sign):	
PO #:	Regulatory Program:

Quote #:	
Mail To Contact:	Ken Shimko
Mail To Company:	Meridian E. C.
Mail To Address:	2711 N. Elco Rd Fall Creek WI
Invoice To Contact:	Same
Invoice To Company:	
Invoice To Address:	
Invoice To Phone:	

Data Package Options (billable)
☐ EPA Level III
☐ EPA Level IV

MS/MSD
☐ On your sample (billable)
☐ NOT needed on your sample

Matrix Codes

A = Air	W = Water
B = Biota	DW = Drinking Water
C = Charcoal	GW = Ground Water
O = Oil	SW = Surface Water
S = Soil	WW = Waste Water
SI = Sludge	WP = Wipe

FILTERED? (YES/NO) — Y/N
PRESERVATION (CODE)* — Pick Letter

PACE LAB #	CLIENT FIELD ID	COLLECTION DATE	COLLECTION TIME	MATRIX	Analyses Requested: PVOC + Naph	CLIENT COMMENTS	LAB COMMENTS (Lab Use Only)	Profile #
001	NE	11/1		S	X	4-40mlVF	1-4ozPA	
002	NW							
003	WN							
004	WS							
005	SW							
006	SE							
007	EN							
008	ES							
009	Floor							

Rush Turnaround Time Requested - Prelims
(Rush TAT subject to approval/surcharge)
Date Needed:

Transmit Prelim Rush Results by (complete what you want):
Email #1:
Email #2:
Telephone:
Fax:

Samples on HOLD are subject to special pricing and release of liability

Relinquished By:	Date/Time:	Received By:	Date/Time:
	11/3/16 4pm	Dunham	11/3/16 4pm
Dunham	11-4-16 0730	Susan K Mylie	11-4-16 0730

PACE Project No.
40141351

Receipt Temp = 2.0 °C
Sample Receipt pH OK / Adjusted
Cooler Custody Seal Present / ~~Not Present~~ Intact / Not Intact

Version 6.0 06/14/06

Sample Condition Upon Receipt

Pace Analytical Services, Inc.
1241 Bellevue Street, Suite 9
Green Bay, WI 54302

Pace Analytical™

Client Name: Meridian

Project #: **WO# : 40141351**

40141351

Courier: ☐ Fed Ex ☐ UPS ☐ Client ☐ Pace Other: Dundam

Tracking #: 1230219

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Custody Seal on Samples Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Packing Material: ☒ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other

Thermometer Used N/A **Type of Ice:** (Wet) Blue Dry None ☒ Samples on ice, cooling process has begun

Cooler Temperature Uncorr: ROI /Corr: **Biological Tissue is Frozen:** ☐ yes ☐ no

Temp Blank Present: ☐ yes ☒ no

Person examining contents:
Date: 11-4-16
Initials: SW

Temp should be above freezing to 6°C for all sample except Biota.
Frozen Biota Samples should be received ≤ 0°C.

				Comments:
Chain of Custody Present:	☑Yes	☐No	☐N/A	1. Original and a copy 11-4-16 SW
Chain of Custody Filled Out:	11-4-16 SW ☑Yes	☐No	☐N/A	2. No collect time 11-4-16 SW
Chain of Custody Relinquished:	☑Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4.
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A	5.
- VOA Samples frozen upon receipt	☐Yes	☐No		Date/Time:
Short Hold Time Analysis (<72hr):	☐Yes	☑No	☐N/A	6.
Rush Turn Around Time Requested:	☐Yes	☑No	☐N/A	7.
Sufficient Volume:	☑Yes	☐No	☐N/A	8.
Correct Containers Used:	☑Yes	☐No	☐N/A	9.
-Pace Containers Used:	☑Yes	☐No	☐N/A	
-Pace IR Containers Used:	☐Yes	☐No	☑N/A	
Containers Intact:	☑Yes	☐No	☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11.
Sample Labels match COC:	☐Yes	☑No	☐N/A	12. No collect date on all samples 11-4-16 SW
-Includes date/time/ID/Analysis Matrix: S				
All containers needing preservation have been checked. (Non-Compliance noted in 13.)	☐Yes	☐No	☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ NaOH +ZnAct
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4 ≤2; NaOH+ZnAct ≥9, NaOH ≥12)	☐Yes	☐No	☑N/A	
exceptions: VOA, coliform, TOC, TOX, TOH, O&G, WIDROW, Phenolics, OTHER:	☐Yes	☑No		Initial when completed / Lab Std #ID of preservative / Date/ Time:
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	14.
Trip Blank Present:	☐Yes	☐No	☑N/A	15.
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	
Pace Trip Blank Lot # (if purchased):				

Client Notification/ Resolution: If checked, see attached form for additional comments ☐

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: Date: 11-4-16

Stoltz, Carrie R - DNR

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Wednesday, November 18, 2015 2:46 PM
To: Stoltz, Carrie R - DNR
Subject: Request Variance for Air Sampling (Vapor Intrusion) - Olson Goodman

Hi Carrie.

As we discussed earlier re: this project (see below), I did put in a soil vapor probe during the initial drilling and collected an air sample. However, while preparing a claim to submit to PECFA, I realize that there is no U&C for air samples (Summa Canisters). I contacted Tim Prosa and he advised that I contact you for a variance approval for this...even though it is under the $20,000.

So, I will send you a variance request...will include documentation, etc.

Or do you recommend alternate approach?

Thanks

Ken shimko

From: Stoltz, Carrie R - DNR [mailto:Carrie.Stoltz@wisconsin.gov]
Sent: Wednesday, August 26, 2015 12:14 PM
To: Ken Shimko <kshimko.meridianenv@gmail.com>
Subject: FW: Olson & Goodman, Inc.

Hi Ken, FYI, please see below and attached. Let me know if you have any questions. Thanks, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Swimm, David E - DNR
Sent: Wednesday, August 26, 2015 11:38 AM
To: Stoltz, Carrie R - DNR
Subject: RE: Olson & Goodman, Inc.

Note that the tank for this site are immediately adjacent to an off-site building, which may be a residence (see attached land plat – Lot 8)– he should probably check for VI without even asking you.

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

David Swimm, PG
Hydrogeologist – Remediation and Redevelopment
Wisconsin Department of Natural Resources
Phone: [(608) 264-8766]
David.Swimm@Wisconsin.gov

From: Stoltz, Carrie R - DNR
Sent: Wednesday, August 26, 2015 9:15 AM
To: Swimm, David E - DNR; Ken Shimko
Subject: RE: Olson & Goodman, Inc.

Thanks David. Get going on a SOW, Ken ☺

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Swimm, David E - DNR
Sent: Wednesday, August 26, 2015 9:14 AM
To: Stoltz, Carrie R - DNR
Cc: Ken Shimko (kshimko.meridianenv@gmail.com)
Subject: Olson & Goodman, Inc.

Please find approval of PECFA deductible reduction and waiver

Thanks

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

David Swimm, PG
Hydrogeologist – Remediation and Redevelopment
Wisconsin Department of Natural Resources
Phone: [(608) 264-8766]
David.Swimm@Wisconsin.gov

Meridian Environmental Consulting, LLC

November 30, 2015

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

Subject: **Variance Request: Vapor Probe Costs**
Olson & Goodman, Inc
328 S. Hwy 13
Stetsonville, Wisconsin 54480
PECFA No. 54480-9742-28
DNR BRRTS No. 03-61-563926
Meridian No. 05F807

Dear Carrie:

Meridian installed a soil gas vapor probe when installing soil borings and a monitoring well (MW-1). Enclosed are copies of the invoices documenting the following costs.

Driller's time while conducting vapor probe	$ 85
Lab Analysis	$220
Total Variance	$305

These costs are not included on the PECFA Usual and Customary Cost Schedule.

Please approve these costs as a Variance from the PECFA Usual and Customary Cost Schedule.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

2711 N. Elco Road • Fall Creek, WI 54742 • (715) 832-6608 • Fax (715) 832-6797

Invoice

Geiss Soil & Samples, LLC.

W4490 Pope Road Merrill, WI 54452

715-539-3928 Fax: 715-536-7103

geissinc@hughes.net

Date	Invoice #
10/16/2015	2117

Bill To

MERIDIAN ENVIRONMENTAL CONSULTING, LLC
2711 NORTH ELCO RD
FALL CREEK, WI 54742

Job Site

328 SOUTH HWY 13
STETSONVILLE, WI

Attention: KEN SHIMKO

Job Number	Terms
15-8755-04	Due Upon Receipt

Units	Description	Rate	Amount
1	DRILL RIG MOB/DEMOB	917.50	917.50
119	0-24FT BGS W/ CONTINOUS SOIL SAMPLING	6.60	785.40
1	SOIL GAS SAMPLING TIME TO GRAB SAMPLE	85.00	85.00
119	BOREHOLE ABANDONMENT	1.20	142.80
16	DRILLING IN UNCONSOLIDATED SOIL W/OUT SAMPLING	11.40	182.40
15	2" MONITORING WELL INSTALLATION	15.90	238.50

Thank you for your business.

Total $2,351.60

A CHARGE OF 1 1/2% PER MONTH WILL BE ADDED TO ACCOUNTS OVER 30 DAYS

Pace Analytical™
www.pacelabs.com

INVOICE

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

Invoice Number: 15100119597
Date: 11/03/2015
Total Amount Due: $220.00

Sold To:

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742
(715)832-6608

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	*Purchase Order No*	*Pace Project Mgr*	*Terms*	*Page*
10-113777 / Meridian Env		Carolynne Trout	Net 30 Days**	1

Client Project: Olson Goodman
Client Name: Meridian Environmental Consulting, LLC
Pace Project No: 10326711
Sample Received: 10/20/2015
Report Sent To: Kenneth Shimko, Meridian Environmental Consulting, LLC
Comments:

ANALYTICAL CHARGES

Quantity	Unit	Description	Method	Matrix	Price	Total
1	Ea	EZ Canister Assembly	Miscellaneous Charges	Air	$70.00	$70.00
1	Ea	TO15 MSV AIR	TO-15	Air	$150.00	$150.00
					Analytical Subtotal	$220.00

Total Number of Charges 2

Total Invoice Amount **$220.00** *

Samples Received for analysis:

Lab ID	Client Sample ID	Received
10326711001	VI-1	10/20/2015

If you have any questions or to pay by credit card, please contact Carolynne Trout at Pace.
Phone: 1(612)607-1700 Email: carolynne.trout@pacelabs.com

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL **$220.00**

Amount Paid: $ _____

Check No: _____

Customer No: 10-113777 Invoice No: 15100119597

Stoltz, Carrie R - DNR

From: Robinson, John H - DNR
Sent: Friday, December 04, 2015 1:12 PM
To: Stoltz, Carrie R - DNR
Subject: RE: Variance Request: Soil Vapor Probe - Olson Goodman - Stetsonville

I am okay with the variance.

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

John Robinson
Phone: (715) 359-8932
John.Robinson@wisconsin.gov

From: Stoltz, Carrie R - DNR
Sent: Friday, December 04, 2015 1:05 PM
To: Robinson, John H - DNR
Subject: FW: Variance Request: Soil Vapor Probe - Olson Goodman - Stetsonville

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Monday, November 30, 2015 9:05 AM
To: Stoltz, Carrie R - DNR
Subject: Variance Request: Soil Vapor Probe - Olson Goodman - Stetsonville

Carrie.

Please see attached.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Sunday, December 06, 2015 2:15 PM
To: 'Ken Shimko'
Subject: RE: Variance Request: Soil Vapor Probe - Olson Goodman - Stetsonville
Attachments: 20151206145854943.pdf

HI Ken, attached is the approval letter. Thanks for your patience, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Monday, November 30, 2015 9:05 AM
To: Stoltz, Carrie R - DNR
Subject: Variance Request: Soil Vapor Probe - Olson Goodman - Stetsonville

Carrie.

Please see attached.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

Stoltz, Carrie R - DNR

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Tuesday, November 03, 2015 11:27 AM
To: Stoltz, Carrie R - DNR
Subject: FW: Final report/invoice Project- Olson Goodman "10326711"
Attachments: 10326711_frc.pdf; 15100119597_inv.pdf

Carrie.

Here is result of soil probe vapor sample from Olson Goodman. Couple notes about this which we will help us VI work at Ed's Service (adjacent property).

Air sample was ND (non-detect). This is probably due to several factors...heavy rain this fall (especially few days before we did work) resulted in saturated soils and rise in water table...which is only about 3 ft below grade at this location. When we did the soil probe, although we pumped the probe & tubing prior to sampling, we noticed the tubing had water in it when we removed the probe. I suspect we did not get a representative air sample due to saturated soils causing the tube to flood with water. When we do Ed's Service, we will want to do work when water table is down and/or drier conditions. Also, we will want to make sure probe is above water table (1/2 way between grade and water table).

Soils are heavy and air flow may be poor...so vapors can't migrate ... this is a good thing

Will write things up and then talk with you...

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

From: Alyssa Pender [mailto:Alyssa.Pender@pacelabs.com]
Sent: Tuesday, November 03, 2015 9:44 AM
To: kshimko.meridianenv@gmail.com
Subject: Final report/invoice Project- Olson Goodman "10326711"

Attached is your report/invoice for the project referenced above. If you have any questions or concerns please feel free to contact your Pace project manager. Have a wonderful day. ☺

Thank you for choosing Pace,

Alyssa Pender | **SAS** Project Coordinator
1700 Elm St. SE, Suite 200
Minneapolis, MN 55414
(612) 607-6429 | alyssa.pender@pacelabs.com

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

November 02, 2015

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742

RE: Project: Olson Goodman
Pace Project No.: 10326711

Dear Kenneth Shimko:
Enclosed are the analytical results for sample(s) received by the laboratory on October 20, 2015. 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,

Carolynne Trout

Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical®
www.pacelabs.com

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

CERTIFICATIONS

Project: Olson Goodman
Pace Project No.: 10326711

Minnesota Certification IDs
1700 Elm Street SE Suite 200, Minneapolis, MN 55414
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
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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

SAMPLE SUMMARY

Project: Olson Goodman
Pace Project No.: 10326711

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10326711001	**VI-1**	Air	10/16/15 12:00	10/20/15 10:00

Pace Analytical®
www.pacelabs.com

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

SAMPLE ANALYTE COUNT

Project: Olson Goodman
Pace Project No.: 10326711

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10326711001	**VI-1**	TO-15	MLS	8	PASI-M

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

ANALYTICAL RESULTS

Project: Olson Goodman
Pace Project No.: 10326711

Sample: VI-1 **Lab ID: 10326711001** Collected: 10/16/15 12:00 Received: 10/20/15 10:00 Matrix: Air

Parameters	Results	Units	LOQ	LOD	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15								
Benzene	**<3.4**	ug/m3	9.0	3.4	27.8		11/01/15 22:34	71-43-2	D3
Ethylbenzene	**<11.8**	ug/m3	24.5	11.8	27.8		11/01/15 22:34	100-41-4	
Methyl-tert-butyl ether	**<8.4**	ug/m3	102	8.4	27.8		11/01/15 22:34	1634-04-4	
Toluene	**<4.3**	ug/m3	21.4	4.3	27.8		11/01/15 22:34	108-88-3	
1,2,4-Trimethylbenzene	**<3.5**	ug/m3	69.4	3.5	27.8		11/01/15 22:34	95-63-6	
1,3,5-Trimethylbenzene	**<5.1**	ug/m3	69.4	5.1	27.8		11/01/15 22:34	108-67-8	
m&p-Xylene	**<21.9**	ug/m3	49.2	21.9	27.8		11/01/15 22:34	179601-23-1	
o-Xylene	**<9.8**	ug/m3	24.5	9.8	27.8		11/01/15 22:34	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Olson Goodman
Pace Project No.: 10326711

QC Batch: AIR/24544
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10326711001

METHOD BLANK: 2123793
Matrix: Air
Associated Lab Samples: 10326711001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	<0.12	2.5	11/01/15 10:56	
1,3,5-Trimethylbenzene	ug/m3	<0.18	2.5	11/01/15 10:56	
Benzene	ug/m3	<0.12	0.32	11/01/15 10:56	
Ethylbenzene	ug/m3	<0.42	0.88	11/01/15 10:56	
m&p-Xylene	ug/m3	<0.79	1.8	11/01/15 10:56	
Methyl-tert-butyl ether	ug/m3	<0.30	3.7	11/01/15 10:56	
o-Xylene	ug/m3	<0.35	0.88	11/01/15 10:56	
Toluene	ug/m3	<0.15	0.77	11/01/15 10:56	

LABORATORY CONTROL SAMPLE: 2123794

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	50	54.0	108	75-134	
1,3,5-Trimethylbenzene	ug/m3	50	63.2	126	75-133	
Benzene	ug/m3	32.5	33.9	104	64-139	
Ethylbenzene	ug/m3	44.2	50.3	114	71-136	
m&p-Xylene	ug/m3	88.3	101	114	71-134	
Methyl-tert-butyl ether	ug/m3	183	183	100	73-134	
o-Xylene	ug/m3	44.2	51.4	116	75-134	
Toluene	ug/m3	38.3	40.1	105	70-129	

SAMPLE DUPLICATE: 2124207

Parameter	Units	10326732001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/m3	ND	<0.17		25	
1,3,5-Trimethylbenzene	ug/m3	ND	<0.25		25	
Benzene	ug/m3	0.54	0.49	9	25	
Ethylbenzene	ug/m3	ND	0.67J		25	
m&p-Xylene	ug/m3	3.4	3.2	8	25	
Methyl-tert-butyl ether	ug/m3	ND	<0.41		25	
o-Xylene	ug/m3	1.3	1.3	5	25	
Toluene	ug/m3	1.0	0.93J		25	

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

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

QUALIFIERS

Project: Olson Goodman
Pace Project No.: 10326711

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.

LABORATORIES

PASI-M	Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Olson Goodman
Pace Project No.: 10326711

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10326711001	**VI-1**	TO-15	AIR/24544		

REPORT OF LABORATORY ANALYSIS

10326741

Pace Analytical®
www.pacelabs.com

AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

21368

Page: 1 of 1

Section A Required Client Information:

Company: Meridian Env. Colts
Address: 2711 N. Elco Rd
Fall Creek WI
Email To: 54742
Phone: 715-579-0723 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Ken Shimko
Copy To:
Purchase Order No.:
Project Name: Olson Goodman
Project Number:

Section C Invoice Information:

Attention: Ken Shimko
Company Name: Meridian E.C.
Address: 2711 N. Elco Rd Fall Creek WI, 54742
Pace Quote Reference:
Pace Project Manager/Sales Rep.
Pace Profile #:

Program
☐ UST ☐ Superfund ☐ Emissions ☐ Clean Air Act
☐ Voluntary Clean Up ☐ Dry Clean ☐ RCRA ☐ Other

Location of Sampling by State: WI

Reporting Units
ug/m³ mg/m³
PPBV PPMV
Other

Report Level II. III. IV. Other

Section D Required Client Information

AIR SAMPLE ID
Sample IDs MUST BE UNIQUE

Valid Media Codes

MEDIA	CODE
Tedlar Bag	TB
1 Liter Summa Can	1LC
6 Liter Summa Can	6LC
Low Volume Puff	LVP
High Volume Puff	HVP
Other	PM10

ITEM #	'Section D Required Client Information AIR SAMPLE ID	MEDIA CODE	PID Reading (Client only)	COLLECTED COMPOSITE START END/GRAB DATE	TIME	COMPOSITE - DATE	TIME	Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method: PM10	3C- Fixed Gas (%)	TO-3	TO-3M (Methane)	TO-4 (PCBs)	TO-13 (PAH)	TO-14	TO-15	TO15 Short List*	PVOC	Pace Lab ID
1	VI-1			10/16	12			28	3	0564									X			001
2																						
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Comments :

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
				10/20/15	1000

SAMPLE CONDITIONS

AMB	Y/N	Y/N		Y/N
	Y/N	Y/N		Y/N
	Y/N	Y/N		Y/N
	Y/N	Y/N		Y/N
	Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

ORIGINAL

1700 Elm Street SE, Suite 200, Minneapolis, MN 55414 Air Technical Phone: 612.607.6386

Air Sample Condition Upon Receipt

Client Name: Meridian Env. Cons. **Project #:** WO#: 10326711

Courier: ☑ Fed Ex ☐ UPS ☐ Speedee ☐ Client ☐ Commercial ☐ Pace ☐ Other:

Tracking Number: 6484 8642 5256

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

Optional: Proj. Due Date: Proj. Name:

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 ☐ B88A9132521491 ☐ 72337080 ☐ 80512447

Temp should be above freezing to 6°C **Correction Factor:** X **Date & Initials of Person Examining Contents:** 01012-15

Type of ice Received ☐ Blue ☐ Wet ☒ None

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

Samples Received:

Canisters			Canisters		
Sample Number	Can ID	Flow Controller ID	Sample Number	Can ID	Flow Controller ID
VI-1	0564	1066			

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 10/20/15

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)

INVOICE

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

Pace Analytical™
www.pacelabs.com

Invoice Number: 15100119597
Date: 11/03/2015
Total Amount Due: $220.00

Sold To:

Kenneth Shimko
Meridian Environmental Consulting, LLC
2711 North Elco Rd
Fall Creek, WI 54742
(715)832-6608

Please Remit To:

Pace Analytical Services, Inc.
P.O. Box 684056
Chicago, IL 60695-4056

Client Number/Client ID	Purchase Order No	Pace Project Mgr	Terms	Page
10-113777 / Meridian Env		Carolynne Trout	Net 30 Days**	1

Client Project: Olson Goodman
Client Name: Meridian Environmental Consulting, LLC
Pace Project No: 10326711
Sample Received: 10/20/2015
Report Sent To: Kenneth Shimko, Meridian Environmental Consulting, LLC
Comments:

ANALYTICAL CHARGES

Quantity	Unit	Description	Method	Matrix	Price	Total
1	Ea	EZ Canister Assembly	Miscellaneous Charges	Air	$70.00	$70.00
1	Ea	TO15 MSV AIR	TO-15	Air	$150.00	$150.00
					Analytical Subtotal	$220.00

Total Number of Charges 2 **Total Invoice Amount** **$220.00**

Samples Received for analysis:

Lab ID	Client Sample ID	Received
10326711001	VI-1	10/20/2015

If you have any questions or to pay by credit card, please contact Carolynne Trout at Pace.
Phone: 1(612)607-1700 Email: carolynne.trout@pacelabs.com

****1.5% MONTHLY FINANCE CHARGE ASSESSED AFTER 30 DAYS OR TERMS OF CONTRACT.**
PLEASE REFERENCE THE INVOICE NUMBER ON ALL REMITTANCE ADVICE.

AN EQUAL OPPORTUNITY EMPLOYER

Please complete and return copy of invoice with your payment.

INVOICE TOTAL $220.00

Amount Paid: $ _____

Check No: _____

Customer No: 10-113777 Invoice No: 15100119597

Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Thursday, September 24, 2015 11:39 AM
To: 'Ken Shimko'
Subject: RE: Olson & Goodman WP

Thanks Ken, I will go ahead & enter this info into BRRTS. Have a good day! Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Thursday, September 24, 2015 11:38 AM
To: Stoltz, Carrie R - DNR
Subject: RE: Olson & Goodman WP

Carrie.

This note follows our phone call this morning. I explained that we do not know enough about this tank(s) to determine location and number of borings. However, I expect to install at least 5 borings (one center of tank basin, other four at compass points (i.e., north, south, east, west). We will keep stepping out until we have defined the extent.

As for the diesel tank, this is verbal history...we aren't sure of location or if problem. We will install borings in the location where the tank was thought to be located..again, center and compass points.

Thanks for suggestion to analyze for lead and EDB...we will do that for all samples. And, instead of DRO, we will analyze for PVOC+Naphthalene, lead, and EDB in diesel tank area.

We are scheduled to install soil borings October 16.

Thanks
Ken shimko

From: Stoltz, Carrie R - DNR [mailto:Carrie.Stoltz@wisconsin.gov]
Sent: Thursday, September 24, 2015 10:13 AM
To: Ken Shimko <kshimko.meridianenv@gmail.com>
Subject: Olson & Goodman WP

HI Ken, I read over the WP and have a couple of questions. You should show on a map the approximate locations of the borings, gas tank and diesel tank. Also the closure committee does not like DRO testing. Please give me a call to discuss. Thanks, Carrie

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Hydrogeologist-Remediation and Redevelopment, AWARE Division
Wisconsin Department of Natural Resources
107 Sutliff Avenue, Rhinelander, WI 54501
Phone: (715)365-8942
Fax: (715)365-8932
Carrie.Stoltz@Wisconsin.gov


dnr.wi.gov


Meridian Environmental Consulting, LLC

September 17, 2015

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

Subject: **Investigation Work Plan**
Olson & Goodman, Inc
328 S. Hwy 13
Stetsonville, Wisconsin 54480
PECFA No. 54480-9742-28
DNR BRRTS No. 03-61-563926
Meridian No. 05F807

Dear Carrie:

This Investigation Work Plan is designed to provide information regarding the current environmental conditions at this site. This work is in response to a former underground storage tank which was removed in 1992.

The objectives of the Site Investigation are:

1) characterize current soil and ground water conditions
2) define the extent of impacted soil and ground water
3) prepare a Site Investigation Report summarizing our work and remedial recommendations

To accomplish these objectives, we recommend soil borings be installed in the former tank basin area. A monitoring well will also be installed to collect a ground water sample. Subsequent work will be completed as necessary.

BACKGROUND INFORMATION

Site Description and History

The site is a commercial property located at 328 South State Hwy. 13 in the Village of Stetsonville, Wisconsin (Taylor County)(Figures 1 and 2).

Olson & Goodman, Inc. (hereinafter Olson & Goodman) formerly operated a beverage distribution business at the property. The beverage distribution business has ceased operations but Olson & Goodman retain ownership of the property.

The Olson & Goodman property consists of three adjacent tax parcels (Parcel ID Nos. 181001240000, 181001250000, 181001970000 – see figure in Appendix A). The property is approximately .17 acres.

There are two large warehouse buildings located on the property. The buildings are built on raised concrete slabs. The parking area in front (west) of the buildings is paved. Surface runoff collects in a storm sewer between the two buildings.

The site is located at the southern end of Stetsonville. A small apartment building is located immediately north of the property. Single family residences are located east and south of the property. State Hwy 13 forms the western boundary of the property.

Underground Storage Tanks

There was a buried underground storage tank (500 gallon leaded gasoline) in use at the south end of the parking area (Figure 2). This tank was removed November 12, 1992 (see tank detail – Appendix A). The tank was used to fuel vehicles during business operations.

There is a loading dock on the south end of the building. Trucks load/unload from Mink Avenue. There are reports that a diesel tank was buried along the south side of this building. The tank was believed to have been removed in the late 1980's(?). More investigation is needed regarding the history of this tank.

Other Environmental Investigations in the Vicinity

There have been several leaking underground storage tank sites in the area (see map in Appendix A). The nearest site is Ed's Service located immediately north of the Olson & Goodman property (Figure 2). A monitoring well network has been installed as part of the site investigation of the Ed's Service property. This network provides current hydrogeologic and water quality information which can be used to guide the Olson & Goodman investigation.

Petroleum impacts may extend from Ed's Service property onto Olson & Goodman property. MTBE concentrations above NR140 Enforcement Standards have been measured repeatedly in monitoring well MW-9P (Figure 2) which was installed as part of the Ed's Service investigation. The source of the MTBE was originally interpreted to be from Ed's Service but recent information suggests the MTBE source may be from the Olson & Goodman tank.

Site Hydrogeology

The site is underlain by about 60 feet of glacial sediments resting on granite bedrock. The glacial sediments are layered fine sand and clays. Ground water is found about 5 feet below grade with a southerly to southeasterly flow direction.

Regional Description

Stetsonville is a small village located in southcentral Taylor County. State Highway 13 is the main highway through town.

The surrounding region is primarily agriculture. Stetsonville is located at a drainage divide between the Black River watershed (to the north and west) and the Big Eau Pleine River watershed (to the south).

Wetlands are located south and east of the village connecting to the West Branch of the Big Eau Pleine River which drains to the south.

The surface topography around Stetsonville is relatively flat. The topography in the Village slopes gently to the south.

Onsite Utilities

The property is connected to the Village sanitary and water supply systems. There is electrical, natural gas, and telephone service. A storm sewer drain is located adjacent to the buildings.

INVESTIGATION WORK PLAN

Soil Investigation

We plan to install soil borings in the former gasoline tank basin as well as along the south edge of the building where a diesel tank may have been located. The borings will be fifteen feet deep. Soil samples will be collected from 4 feet intervals and analyzed for PVOC+naphthalene and lead (gasoline tank area only). Enough borings will be installed to define the current soil conditions and extent of any impacts encountered.

The soil borings in the former diesel tank area will be analyzed for DRO. (lead Ethylene dibromide (EDB)

Monitoring Wells

At least one soil boring in the former tank basin(s) will be completed as a monitoring well. A ground water sample will be collected and analyzed for PVOC+Naphthalene.

Vapor Intrusion

The former tank appears to be very close to the residence located at 108 Mink Ave (Figure 2). If the soil and ground water petroleum impacts are significant, we will conduct a vapor intrusion investigation.

Reporting

When the Site Investigation has been completed or before $20,000 in costs are incurred, a Soil and Ground Water Investigation report will be prepared which documents the data collected and includes our recommendations for further work.

SITE HEALTH AND SAFETY PLAN

Appendix B contains the Site Health and Safety Plan. A Safety Meeting is conducted onsite prior to beginning any field work. The Site Health and Safety Plan is kept onsite during the field work.

FIELD PROCEDURES

Appendix C contains general field procedures that are used to complete Site Investigations. Alterations to these procedures will be conducted if necessary for site-specific objectives.

SCHEDULE

We plan to install the soil borings and monitoring well(s) in October. Subsequent work will follow based on the findings of this initial work.

Sincerely,
MERIDIAN ENVIRONMENTAL CONSULTING, LLC

Kenneth Shimko, PG
Project Manager

C: Olson & Goodman, Inc. – Bruce Olson

FIGURES

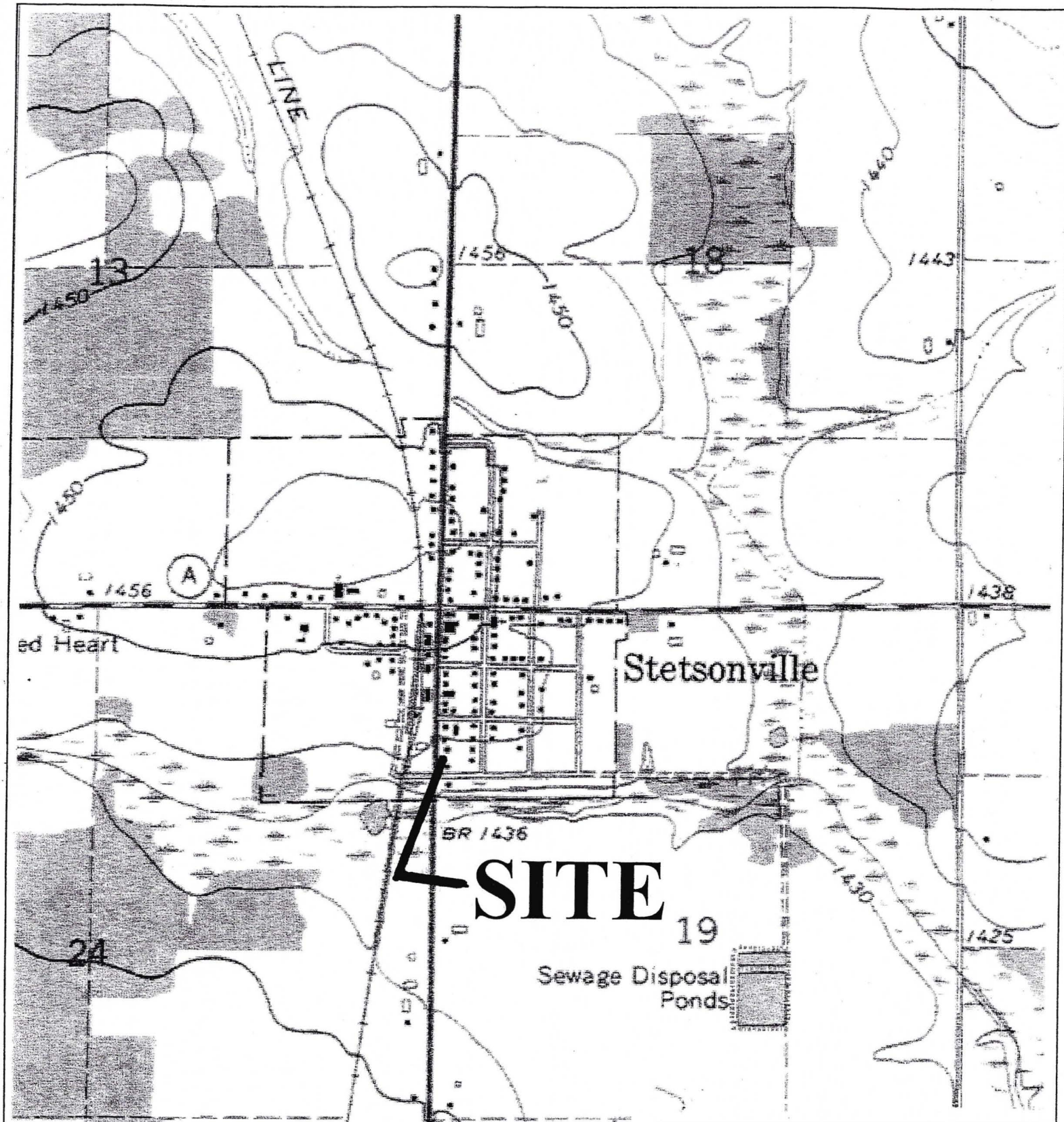
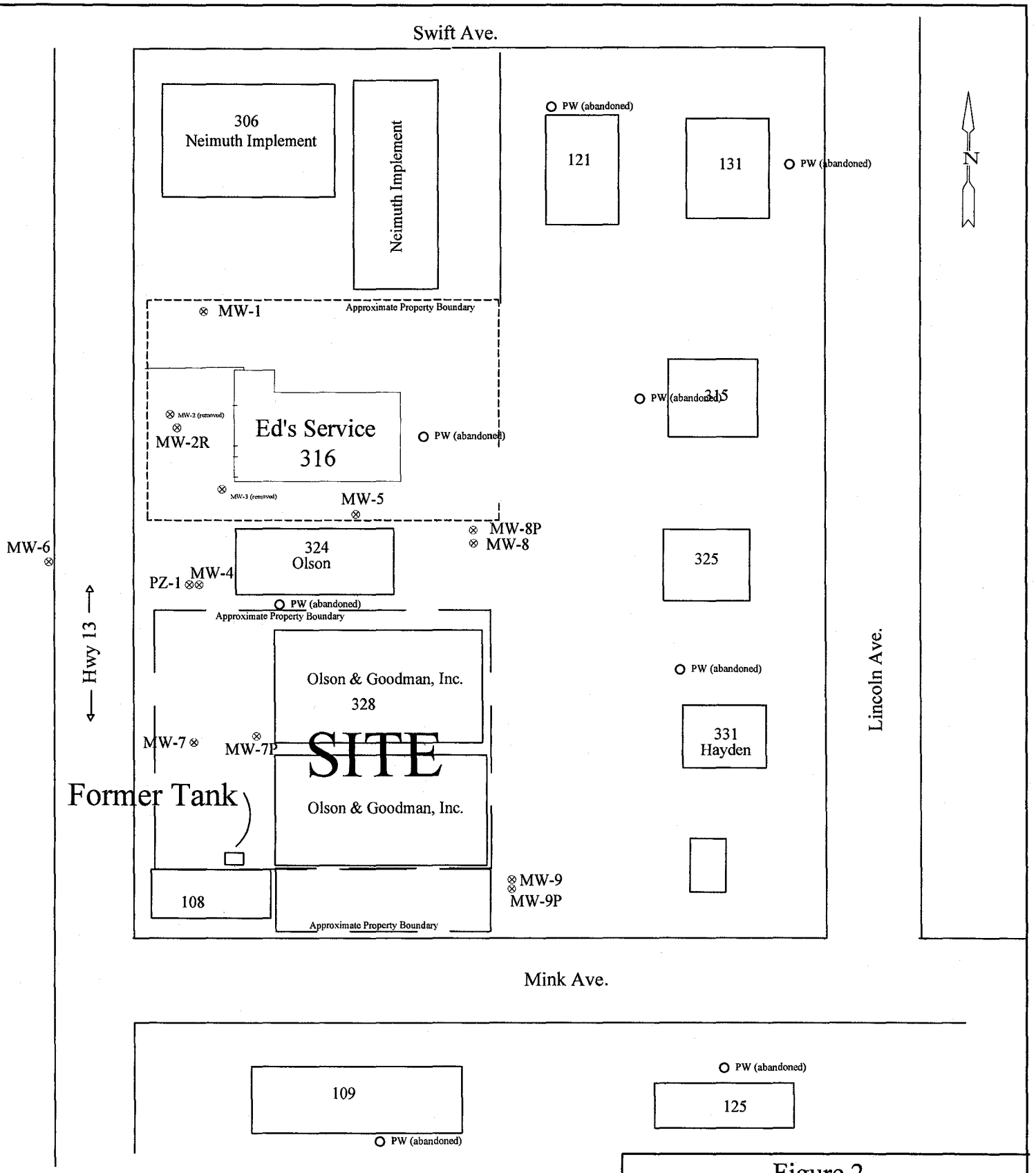


Figure 1
Site Location Map
Olson & Goodman
Stetsonville, WI

PROJECT NO.	PREPARED BY	
05F807	RSK	Meridian Alliance Group, LLC
DATE	REVIEWED BY	
9/17/15	KAS	



LEGEND

⊗ MW-1 Monitoring Well

○ PW Private Water Well

0 100 (ft)

approximate scale (ft)

Figure 2
Site Map
Olson & Goodman
Stetsonville, WI

PROJECT NO.	PREPARED BY
05F807	KAS
DATE	REVIEWED BY
9/17/15	KAS

Meridian Environmental Consulting, LLC

APPENDIX A

SITE INFORMATION

Search Instructions | Search by Site, Owner, or Tank Characteristics | Search by Tank ID

Tank Detail

Site and Owner

Site Info	County & Municipality	Owner
Facility ID: 115435 OLSON & GOODMAN INC	60 - TAYLOR	ID: 284221
328 HWY 13 S	Village of STETSONVILLE	BRUCE OLSON
STETSONVILLE	Fire Dept ID: 6003 - Stetsonville	329 GIESHWIN
Landowner Type: Private		STETSONVILLE WI 54480

Site Anniversary Date: Dispensers have Sumps: Unknown

Underground Storage Tank - ID: 350745, Wang ID: 600300007, Closed/Removed as of 11/12/1992

Install Date:		**Capacity in Gallons:**	500	**Contents:**	Leaded Gasoline
Tank Occupancy:	Mercantile/Commercial	**Marketer:**	N	**CAS Number:**	
Federally Regulated:	Y	**Spill Protection:**	Required - Not Installed	**Overfill Protection:**	Required - Not Installed
Overfill Prot Type:	null	**Containment Sump Installed:**	Unknown		
Corrosion Protect Type:		**Date of Lining:**		**Lining Inspected Date:**	
Leak Detection:	Unknown	**Cath Test Date:**		**Cath Expire Date:**	
Leak Test Meth:		**Leak Expire Date:**		**Leak Test Date:**	
Construction Material:	Coated Steel	**Wall Size:**	Single	**Underground Piping:**	Y
Close Order Date:		**Close Order By:**			

Piping - Closed/Removed

Flex Connectors:		**UST mainfolded:**		**Related Tank ID:**	
Type:		**Aboveground Piping:**		**Aboveground Pipe Construction:**	
Construction Material:	Unknown	**Corrosion Protect Type:**		**Leak Detection:**	Unknown
Cath Test Date:		**Cath Expire Date:**		**Leak Test Meth:**	
Leak Test Date:		**Leak Expire Date:**		**Pipe Wall Size:**	Single
Catastrophic Leak Detection:		**Cat Leak Test Date:**		**Piping System Type:**	Unknown

Inspections Click here for login page

Trans ID	Type	Status	Date	Fiscal Yr

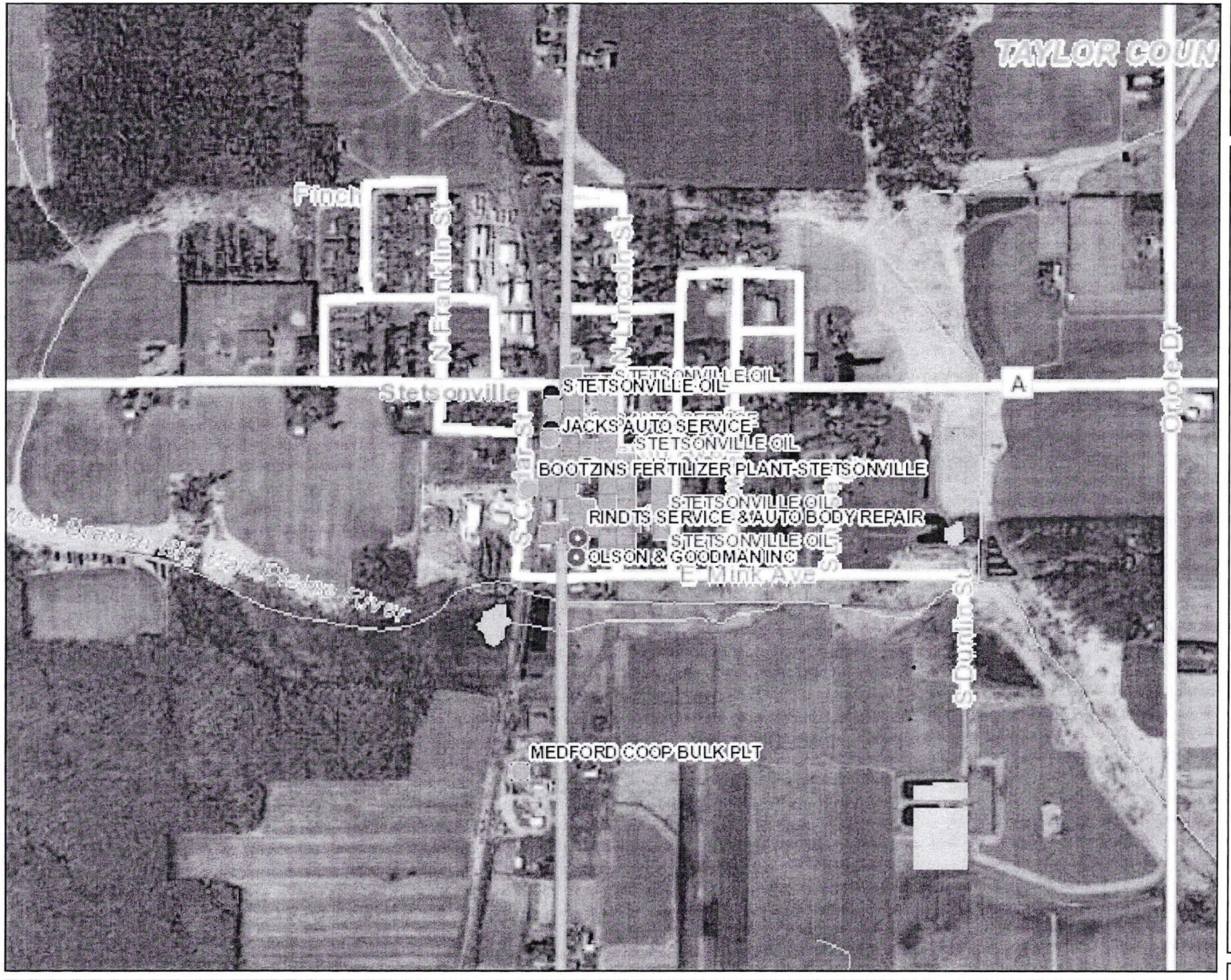
** No inspections for this tank **

Close this response window

Wisconsin Department of Safety and Professional Services


181001220000
181002060000
181002050000
181001230000
181002040000
Olson
+
Goodman
181001240000
181002030000
181001250000
181002020000
Tank
181001260000
181001980000
181001970000
181002010000
181001990000
181002000000
W MINK AVE
E MINK AVE
N
0
20
40
60ft
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

DNR Environmental Cases in Stetsonville (Open and Closed)



Legend

- Open Site (ongoing cleanup)
- Open Site Boundary
- Closed Site (completed cleanup)
- Closed Site Boundary
- Groundwater Contamination
- Soil Contamination
- Groundwater and Soil Contamination
- Contamination From Another Property
- Dryclean Environmental Response Fund (DERF)
- Green Space Grant (2004-2009)
- Ready for Reuse
- Site Assessment Grant (2001-2009)
- State Funded Response
- Sustainable Urban Development Zone (S
- General Liability Clarification Letters
- Superfund NPL
- Voluntary Party Liability Exemption
- Rivers and Streams
- Open Water

Notes

0.4 0 0.19 0.4 Miles

NAD_1983_HARN_Wisconsin_TM

1: 12,242

Note: Not all sites are mapped.

APPENDIX B

SITE HEALTH AND SAFETY PLAN

Site Health & Safety Plan

POST THIS DOCUMENT ON THE WORK SITE

Project Name/No.: Olson & Goodman, Inc.

Site Address: 328 South Hwy. 13, Stetsonville, Wisconsin 54480

Project Manager: Ken Shimko

Beginning & Ending Dates of Field Activities: September 2015 - ongoing

EMERGENCY PHONE NUMBERS

LOCAL EMERGENCY TELEPHONE NUMBERS: **911**

Ambulance	911
Poison Control Center	1-800-222-1222
Fire	911
Police	911
Hazardous Materials Response Unit	911

Project Manager: Ken Shimko

Office: 715-832-6608
Cell: 715-579-0723

Regulatory Agency(s): Carrie Stoltz (715)365-8942
(Department of Natural Resources)

MEDICAL EMERGENCY ROUTE

Hospital: Aspirus Medford Hospital

Phone number: 715/748-8100

Hospital address: 135 South Gibson Street, Medford, WI 54451

Directions to nearest hospital (see attached map and driving directions):

Go north on Hwy. 13 to Medford (about 5 miles). Turn Left on Hwy. 64 (stoplight). Proceed about 1 mile to Gibson St. Turn Left on Gibson Street – Hospital is on the right.

Distance & driving time to hospital: About 6 miles (15 minutes)

Hospital Emergency Room (715-748-8100)

SITE INFORMATION

PLANNED SITE ACTIVITIES:
Investigation of petroleum - impacted soil and ground water

RESOURCES AVAILABLE ON-SITE:

Telephone No
Restrooms No
Water supply No

If unavailable, identify alternatives: Convenience Store about 1 block north

SITE HISTORICAL INFORMATION:

Site has two warehouse buildings. No active business at this time. Underground storage tank (gasoline) was located at south end of parking lot.

POTENTIAL HAZARDS:

Chemical Contaminants:

Hydrocarbons	Yes	
Metals	No	
Asbestos	No	
Other:	Yes	Benzene and petroleum vapors. Avoid odors by standing upwind or away from contaminated soil/ground water, if present.

Electrical	Yes _ No x_	
Radiation	Yes _ No x_	
Noise	Yes x_ No_	Site machinery/equipment
Fall & slip	Yes x No	
Construction Equip.	Yes x_ No _	Drilling and Excavation equipment
Biological Hazards	Yes _ No x	
Heat Stress	Yes _ No x	
Cold Stress	Yes _ No x	
Confined spaces	Yes _ No x	
Engulfment Hazards	Yes _ No _x	

REQUIRED HEALTH & SAFETY EQUIPMENT

First Aid Kit	Yes x_ No	
Hard Hat	Yes x_ No	
Safety Glasses	Yes x No	As Needed
Hearing Protection	Yes x_ No	As needed
Safety Boots	Yes x_ No	
Protective Gloves	Yes x_ No	When sampling
Protective Suits	Yes _ No x	

Respirator:

1/2 Mask	Yes _ No x	
Full Face	Yes _ No x	
PAPR	Yes _ No x	
Cannister Type	Yes _ No x	
SCBA	Yes _ No x	

REQUIRED SITE MONITORING EQUIPMENT:

hNU/Photoionization Detector	Yes x (during soil work such as drilling or excavation)
Oxygen Detector/Explosimeter	Yes _ No x
Organic Vapor Analyzer	Yes _ No x
Detector Tubes	Yes _ No x
Other:	

SIGNATURES

Plan Prepared By:_____Date:_____

PLAN REVIEW IS REQUIRED BY ALL ON-SITE PERSONNEL BEFORE BEGINNING WORK (print name, initial & date):

_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____
_____	Date:_____	_____	Date:_____

mapquest

Notes

Trip to:

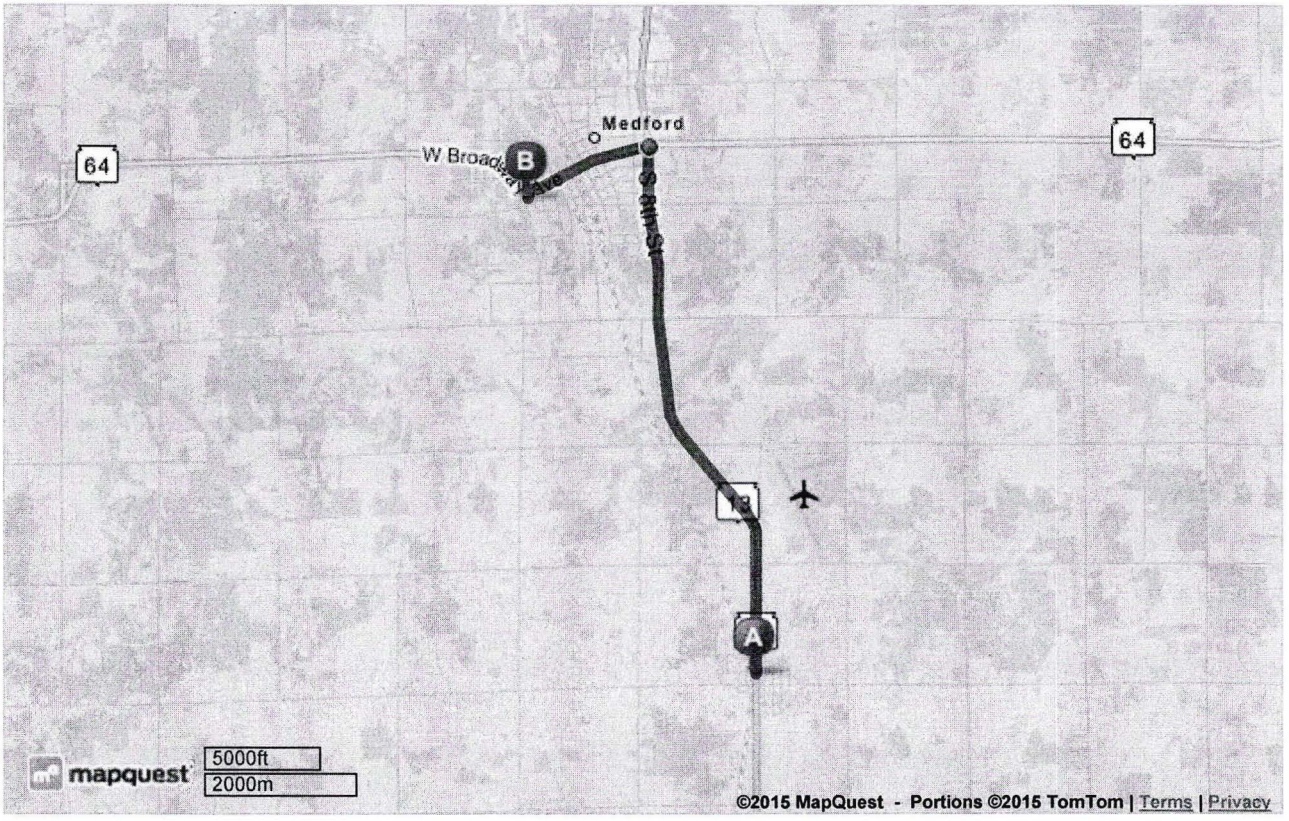
135 S Gibson St

Medford, WI 54451-1622

5.82 miles / 8 minutes

	A	**Stetsonville, WI**	Download Free App
●		1. Start out going **north** on **N State Highway 13 / WI-13** toward **Stetsonville Ter**. Continue to follow **WI-13**. Map	**4.7 Mi** *4.7 Mi Total*
↰	64	2. Turn **left** onto **E Broadway Ave / WI-64**. Map	**1.1 Mi** *5.7 Mi Total*
↰		3. Turn **left** onto **S Gibson St**. Map	**0.07 Mi** *5.8 Mi Total*
■		4. **135 S GIBSON ST** is on the **right**. Map	
	B	**135 S Gibson St**, Medford, WI 54451-1622	

Total Travel Estimate: **5.82 miles - about 8 minutes**



APPENDIX C

FIELD PROCEDURES

Field Procedures

The appendix describes field work procedures for this project. Where applicable, these procedures are performed in accordance with Wisconsin Department of Natural Resources (WDNR), Wisconsin Administrative Code requirements, American Society for Testing and Materials (ASTM) standards, or accepted engineering or geologic standards. Changes made in the field to accommodate site specific objectives are documented in the report.

SOIL PROBE INSTALLATION

The contractor installed soil probes in accordance with the procedures described in Wisconsin Administrative Code, Chapter NR 141. Soil probe sampling consists of installing a hydraulically driven steel 2-inch diameter rod. The steel sampling device at the end of the rods is 4 feet long and assembled with a disposable plastic liner for sample collection. Samples are collected continuously using the following method:

> When the rod is positioned at the top of the desired sampling interval, the piston stop pin is removed, and the sampler is driven the desired sample interval to encase the soil sample in the plastic liner. The rods are then retracted from the hole and brought to the surface. The plastic liner is removed from the sample rod that contains the undisturbed soil sample. The liner is split open with a clean utility knife and the soil is classified and then transferred to laboratory and field screening containers as described in the soil sample collection section in this appendix.

Meridian personnel are present during the field work to establish soil probe locations, determine soil sample intervals, classify soils using the Unified Soil Classification System (USCS), log soil probes, and collect and screen soil samples. Soil classification information is recorded on the soil borings logs (WDNR Form 4400-122) and copies are included in the site investigation report.

Sampling and soil probe equipment is decontaminated as described under the decontamination section in this appendix. Plastic liners are disposable and are not reused.

When the sampling is completed, soil probe holes are filled with bentonite and the surface material restored. Soil probe abandonment details are described on WDNR Form 3300-5W, and copies are included in the site investigation report. Soil cuttings generated during drilling are containerized in 5-gallon buckets. Because of the small quantity, these cuttings are typically disposed of in a dumpster.

HOLLOW STEM AUGER BORING INSTALLATION

Hollow stem auger borings are installed by the contractor in accordance with the procedures described in Wisconsin Administrative Code, Chapter NR141. The contractor installs borings using a mobile drill rig equipped with 4 1/4-inch hollow stem augers. In general, soil samples are collected at 2.5-foot sample intervals from the surface to the boring terminus. Soil samples are obtained using a split spoon sampler (1 3/8 inches in diameter by 2 feet long) driven by a 140-pound hammer in accordance with the procedures described in ASTM D-1586.

Meridian personnel are present during the field work to establish soil boring locations, determine soil sample intervals, classify soils using the Unified Soil Classification System (USCS), log soil borings, and collect and field screen soil samples. Soil classification information is recorded on soil boring logs (WDNR Form 4400-122) and copies are included in the site investigation report.

The split spoons are decontaminated as described under the decontamination section in this appendix. Clean augers are used in each boring. All augers are steam cleaned before reuse.

When the sampling is completed, soil boreholes that were not converted into ground water monitoring wells were filled with bentonite and the surface restored. Soil boring abandonment details are described on WDNR Form 3300-5W, and copies are included in the site investigation report. Soil cuttings generated during drilling are containerized in 55-gallon drums on site and are labeled with the date and the soil's origin. The drums have been picked up for proper disposal of the cuttings.

SOIL SAMPLE COLLECTION

Meridian personnel retrieve soil samples from the sampling equipment using a clean nitrile gloves and avoid collecting slough materials.

At each sampling point, we collect two groups of soil samples: headspace samples and samples for potential laboratory analysis. We place samples for headspace screening in clean 8-ounce glass jars with screw caps and lids, and fill the jars approximately one-quarter to one third full. We use the headspace screening results to determine which soil samples should be preserved and/or sent to the laboratory. Soil collection methods used are in accordance with WDNR's *Leaking Underground Storage Tank and Petroleum Analytical and Quality Assurance Guidance*, July 1993, PUBL SW-130 93.

During collection of laboratory grade samples, we remove the soil from the sampling equipment and place it directly into a sample jar which is capped with a Teflon lined slip cap to prevent volatilization. These jars are temporarily stored on ice in a cooler. After field screening is done and within the prescribed 2 hours, the required sample amount is transferred to the correct laboratory container and a preservative is added if needed. For diesel range organic (DRO), gasoline range organic (GRO), volatile organic compound (VOC), or petroleum VOC (PVOC) samples, we weigh the jar on a scale before adding soil and again after the soils are added to verify that approximately 25 grams is contained. We then place the selected laboratory samples on ice in a cooler immediately after collection, and keep samples cool until analysis by the laboratory.

The specific collection method, including the size and type of containers used, are dependent on the type of analysis to be conducted. Within two hours of sample collection, we preserve samples chosen for laboratory analysis, based on field screening results, using the following procedure:

- GRO, VOC, and PVOC samples- Place approximately 25 grams soil into a 60-milliliter tared glass jar with a septum lid then add 20-milliters of methanol as a field preservative.
- Metals-Fill a 125-milliliter plastic jar with soil. No preservative is added to these samples.
- Percent solids (moisture analysis)-Fill a 125-milliliter plastic jar with soil.

We prepare a methanol blank (one for each day of sampling) during preservation of the first soil sample. A methanol blank is prepared by filling a 60-milliliter jar with a single 25-milliliter vial of methanol supplied by the laboratory.

A chain-of-custody log, WDNR Form 4400-151 or equivalent, is completed when the samples are collected. We record the project name and number, sampler's names(s), sample location and depth, sample number, date and time of collection, type of sample, method of sample collection, number of containers, type of preservation, type of chemical analyses to be performed, field screening results (soils only), and additional remarks about the sample if needed on the chain-of –custody log. The individual(s) handling the samples signs and dates the log. Shipment arrangements are made so the samples arrive within the appropriate shipping time allowed by WDNR guidance.

SOIL LABORATORY ANALYSIS

Samples are analyzed by a laboratory certified by the WDNR. Analytical methods used are as follows:

PARAMETER	METHOD	MDL
GRO	WDNR Modified GRO	1.2 mg/kg
VOC's	EPA Method 8021	25µg/kg
PVOC's	EPA METHOD 8020	25µg/kg
Lead	EPA Method 6010B	0.1 mg/kg

HEADSPACE SCREENING (FID)

Headspace screening samples are qualitatively screened for organic vapors using a flame ionization detector (FID).

The FID is factory calibrated annually with three methane gas standards. The accuracy of the FID instrument is checked daily by adjusting the instrument to a "Zero Air" standard (<1 part per million [ppm] total hydrocarbons) and then using a 95 ppm methane gas standard to verify factory calibration. According to the manufacturer, the operation of the FID is acceptable if the response to the methane gas is within 20% of the 95-ppm standard. This equates to meter readings between 76 and 114. The FID response to the calibration gas is documented in the site investigation report.

After the soil sample to equilibrate in accordance with WDNR guidance, we screen the total organic vapors in the jar by piercing the lid and then immediate inserting the FID probe. Meter responses are recorded as instrument units (i.u.s) methane gas equivalents. The highest meter response is recorded in the field notes and/or on the soil boring logs. The FID responses are a relative indication of total ionizable volatile organic compounds present in the atmosphere surrounding the sample and do not necessarily represent the concentration of any specific compound in the sample.

HEADSPACE SCREENING (PID)

Headspace screening samples are qualitatively screened for organic vapors using a photo ionization detector (PID) equipped with a 10.6 eV lamp. Before we use the PID, we calibrate it using 100-ppm isobutylene gas.

After allowing the soil sample to equilibrate in accordance with WENR guidance, we screen the total organic vapors in the jar by piercing the lid and then immediately inserting the PID probe. Meter response are recorded as i.u.s isobutylene gas equivalents. The highest meter response is recorded in the field notes and/or on the soil boring logs. The PID responses are a relative indication of total ionizable volatile organic compounds present in the atmosphere surrounding the sample and do not necessarily represent the concentration of any specific compound.

MONITORING WELL CONSTRUCTION AND DEVELOPMENT

If monitoring wells are needed, they are installed by the contractor in accordance with the procedures described in Wisconsin Administrative Code NR 141. Monitoring well construction consists of 2-inch diameter PVC casing with a 0.010-inch slotted well screen. A 10-foot long well screen intercepting the water table is used for the wells. Filter packs for the monitoring wells consist of No. 30 sand installed from the base of the boring to 2 feet above the well screen.

A filter pack seal, consisting of 2 feet of No. 70 silica sand is installed above the filter pack. The remainder of the well has an annular space seal, consisting of 3/8-inch bentonite chips installed from the top of the fine sand to within

1 foot of the ground surface. A 1-foot concrete surface seal is placed around the well's protective cover. Monitoring wells are provided with a watertight well cap and either an aboveground or flush mount protective casing. All wells have locking caps. A blue Wisconsin Unique Well Number (WUWN) label is attached to the inside of the protective cover or flush mount manhole. Well construction details for wells are included in the site investigation report on Form 4400-113A. Ground water monitoring well information for the site is summarized on Form 4400-89.

Meridian personnel develop each monitoring well after installation in accordance with the procedures described in Wisconsin Administrative Code NR 141. We develop each well using a combination of surging and purging with a disposable bailer and a submersible pump. Approximately 10 well volumes are removed from each well. Each well is then allowed to stabilize for at least 3 days before it is sampled. Well development water is containerized and disposed of by a licensed facility. During well development, we document out observations of odor, color, and turbidity. A monitoring well development Form 4400-113B is included in the site investigation report for each well installed.

GROUND WATER SAMPLE COLLECTION

We conduct ground water sampling using the procedures described in the *Groundwater Sampling Field Manual* (PUBL-DG 038 96), the *Groundwater Sampling Desk Reference* (PUBL-DG-037 96), and in-house sampling memorandums. Before they are sampled, the wells are allowed to stabilize at least 3 days after they are developed. Before purging the monitoring wells, we take static water level measurements with an electronic water level indicator.

To obtain representative samples, we purge approximately three well casing volumes from each well. The actual volume pumped is determined in the field and is dependent on the diameter of the well casing and the depth of the water in the well. We check the purged water for signs of contamination. If there is evidence of contamination, we store the purged water in containers on site for later disposal at a WDNR-approved facility. If there is no evidence of contamination, we dispose of the purged water by thinspreading the water next to the well. We collect samples from the next bailer of water after the well recharges.

We obtain the samples by lowering a disposable plastic bailer into the well using dedicated rope and collect samples directly from the bailer into laboratory-provided sample containers. Between sample locations, we decontaminate the water level indicator using the decontamination procedures describe in this appendix.

If relevant to the project, we may also measure natural attenuation parameters such as dissolved oxygen, redox or pH.

- Dissolved oxygen is measured using a colormetric ampule.

- Redox-Obtain a sample from the bailer and transfer it to a jar. Insert the redox probe in the sample, stir the probe until the meter stabilizes, then record the reading.

- pH-Connect the pH probe to the redox probe and insert it into the same sample used for the redox reading (no stirring required), then record the reading.

We collect the analytical samples using the following procedures:

- GRO, VOC, and PVOC samples-Fill a 4 milliliter vial that has a cap and septum, and preserve the sample with 0.5 milliliter of dilute 1:1 hydrochloric acid.

- Dissolved lead and iron-Collect 250 milliliters in a disposable plastic container and store on ice. Filter sample through a 0.45-micron disposable filter within 2 hours of collection. Pour the filtrate into a polyethylene jar and preserve the sample with nitric acid. Store sample in an ice slurry.

- Nitrate+Nitrite as N-Fill a 250 milliliter polyethylene jar and preserve the sample with sulfuric acid. Store sample in an ice slurry.

- Sulfate-Fill a 250-milliliter polyethylene jar and store sample in an ice slurry. No preservative is added.

One trip blank is also analyzed for each sampling event. We place the sample on ice in a cooler; enclose a completed WDNR chain-of-custody record, Form 4400-151 or equivalent; and ship the cooler to the laboratory so it arrives within the shipping time allowed by WDNR.

Meridian initiates a chain-of-custody log, WDNR Form 4400-151 or equivalent, at the time of collection of ground water samples. We record the project name and number, sampler's name(s), sample location and depth, sample number, date and time of collection, type of sample, method of sample collection, number of containers, type of preservation, type of chemical analyses to be performed, method of shipment, and additional remarks about the sample if needed on the chain-of custody log.

In addition to a chain-of-custody, we complete a field sampling report for water sample collection. We record the type of monitoring well; depth to well bottom; depth to water; sampling method; well purging date, time, and volume; time of sample collection; sample filtering, if applicable; and observations, such as color, odor, and turbidity of samples.

GROUND WATER LABORATORY ANALYSIS

Samples are analyzed by a laboratory certified by the WDNR. Analytical methods used are as follows:

PARAMETER	METHOD	LOD	LOQ
GRO	WDNR Modified GRO	30 µg/L	81 µg/L
VOC's	EPA Method 8021	0.2 to 1.2 µg/L	0.5 to 4.0µg/L
PVOC's	EPA Method 8020	0.2 to 1.7 µg/L	0.5 to 5.5 µg/L
Lead	EPA Method 3020/7421	1.6 µg/L	5.1 µg/L
Nitrate+Nitrite	EPA Method 353.2	0.14 mg/L	0.43 mg/L
Sulfate	EPA Method 325.2	1 mg/L	4 mg/L
Dissolved Iron	EPA Method 236.1	0.020 mg/L	0.064 mg/L

GROUND WATER SAMPLE COLLECTION FROM SOIL PROBES

Meridian personnel conducts ground water sampling in accordance with the procedures described in the *Groundwater Sampling Field Manual* (PUBL-DG-038 96) and the *Groundwater Sampling Desk Reference* (PUBL-DG-037 96).

Following soil probe installation, a slotted rod with a sampling point (no plastic liner) is driven to the water table. The sample collector is opened allowing ground water to enter the collection tube. A 1/8-inch-diameter plastic hose is inserted through the steel rods to the water table. A vacuum pump is used to siphon the ground water through the hose and the ground water is drained into sample containers. We continue this process until enough volume is retrieved to fill all sample containers.

Samples are collected for analysis of the following parameters:

- GRO, VOC, and PVOC samples-Fill a 40- milliliter vial with cap that has a septum and preserve with 0.5 milliliter of dilute 1:1 hydrochloric acid.
- Dissolved lead and iron-Collect 250 milliliters in a disposable plastic container and store on ice Filter sample through a 0.45-micron disposable filter within 2 hours of collection. Pour the filtrate into a polyethylene jar and preserve the sample with nitric acid. Store sample in an ice slurry.

We place the samples on ice in a cooler; enclose a completed WDNR chain-of-custody record, Form 4400-151 or equivalent; and ship the cooler to the laboratory so it arrives within the shipping time allowed by WDNR.

SAMPLING EQUIPMENT DECONTAMINATION

To reduce the potential for cross-contamination of samples, Meridian cleans reusable sampling equipment between each sampling interval using the following three-step procedure:

1. Soap and water wash-Remove visible soil by hand with a scrub brush using Alconox soap and tap water
2. Water rinse-Use tap water with a scrub brush to remove soap and left-over soil
3. Deionized water rinse-Use deionized water to rinse off any remaining soil, soap residue, or possible contaminants

The cleaning solution and rinse water was changed regularly during sampling. Tap water is obtained from a municipal water supply.

Stoltz, Carrie R - DNR

From: Stoltz, Carrie R - DNR
Sent: Wednesday, July 29, 2015 6:36 AM
To: 'Ken Shimko'
Subject: RE: Olson & Goodman Inc - consultant hire

Thanks Ken, will do. Kathleen, can you please update BRRTS with Ken Shimko as the consultant for Olson & Goodman (03-61-563926. Thanks, Carrie
We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Tuesday, July 28, 2015 4:43 PM
To: Stoltz, Carrie R - DNR
Subject: Olson & Goodman Inc - consultant hire

Carrie.

Please accept this email as written notification that Olson & Goodman Inc has hired Meridian Environmental Consulting, LLC as its environmental consultant. We are currently completing the PECFA Agent and Deductible paperwork. After that is resolved, we will submit a SI Work Plan.

Thanks

Kenneth Shimko, PG
Meridian Environmental Consulting, LLC
2711 North Elco Road
Fall Creek, Wisconsin 54742
(715)832-6608 (office)
(715)579-0723 (cell)
(715)832-6797 (Fax)
Email: kshimko.meridianenv@gmail.com

From: Stoltz, Carrie R - DNR [mailto:Carrie.Stoltz@wisconsin.gov]
Sent: Tuesday, July 28, 2015 8:21 AM
To: Ken Shimko <kshimko.meridianenv@gmail.com>
Subject: RP letter

FYI

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Hydrogeologist-Remediation and Redevelopment, AWARE Division
Wisconsin Department of Natural Resources
107 Sutliff Avenue, Rhinelander, WI 54501
Phone: (715)365-8942
Fax: (715)365-8932
Carrie.Stoltz@Wisconsin.gov


dnr.wi.gov


State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
Northern Region Headquarters
107 Sutliff Ave
Rhinelander, WI 54501

Scott Walker, Governor
Cathy Stepp, Secretary
Telephone 715-365-8900
FAX 715-365-8932
TTY Access via relay - 711

July 28, 2015

Olson & Goodman, Inc.
Attn: Bruce Olson
P.O. Box 10
Stetsonville, WI 54480

Subject: Reported Contamination at Olson & Goodman, Inc., 328 Hwy 13 South, Stetsonville, WI
DNR BRRTS Activity # 03-61-563926

Dear Mr. Olson:

On July 17, 2015, Ken Shimko-Meridian Environmental, on behalf of Rindt's (Ed's) Service, a neighboring site, notified the Department of Natural Resources (DNR) that MTBE had been detected at the site described above.

Based on the information that has been submitted to the DNR regarding this site, we believe you are responsible for investigating and restoring the environment at the above-described site under Section 292.11, Wisconsin Statutes, known as the hazardous substances spill law.

This letter describes the legal responsibilities of a person who is responsible under section 292.11, Wis. Stats., explains what you need to do to investigate and clean up the contamination, and provides you with information about cleanups, environmental consultants, possible financial assistance, and working cooperatively with the DNR or the Department of Agriculture, Trade and Consumer Protection (DATCP).

Legal Responsibilities:

Your legal responsibilities are defined both in statute and in administrative codes. The hazardous substances spill law, Section 292.11 (3) Wisconsin Statutes, states:

- RESPONSIBILITY. A person who possesses or controls a hazardous substance which is discharged or who causes the discharge of a hazardous substance shall take the actions necessary to restore the environment to the extent practicable and minimize the harmful effects from the discharge to the air, lands, or waters of the state.

Wisconsin Administrative Code chapters NR 700 through NR 754 establish requirements for emergency and interim actions, public information, site investigations, design and operation of remedial action systems, and case closure. Wisconsin Administrative Code chapter NR 140 establishes groundwater standards for contaminants that reach groundwater.

Steps to Take:

The longer contamination is left in the environment, the farther it can spread and the more it may cost to clean up. Quick action may lessen damage to your property and neighboring properties and reduce your costs in investigating and cleaning up the contamination. To ensure that your cleanup complies with Wisconsin's laws and administrative codes, you should hire a professional environmental consultant who understands what needs to be done. The following information provides the timeframes and required steps to take. Unless otherwise approved by DNR in writing you must complete the work by the timeframes specified.

1. Within the next **30 days,** by August 28, 2015, you should submit written verification (such as a letter from the consultant) that you have hired an environmental consultant. If you do not take action within this time frame, the DNR may initiate enforcement action against you.

2. Within **60 days,** by September 28, 2015, you must submit a work plan for completing the investigation. The work plan must comply with the requirements in the NR 700 Wis. Adm. Code rule series and should adhere to current DNR technical guidance documents.

3. You must initiate the site investigation within 90 days of submitting the site investigation work plan. You may proceed with the field investigation upon DNR notification to proceed. If the DNR has not responded within 30 days from submittal of the work plan, you are required to proceed with the field investigation. If a fee for DNR review has been submitted, the field investigation must begin within 60 days after receiving DNR approval.

4. Within 60 days after completion of the field investigation and receipt of the laboratory data, you must submit a Site Investigation Report to the DNR or other agency with administrative authority. For sites with agrichemicals contamination, your case will be transferred to the Department of Agriculture, Trade and Consumer Protection for oversight.

5. Within 60 days after submitting the Site Investigation Report, you must submit a remedial actions options report (RAOR). The RAOR shall include an evaluation of Green and Sustainable Remediation opportunities as required by s. NR 722.09 (2m), Wis. Adm. Code.

Sites where discharges to the environment have been reported are entered into the Bureau for Remediation and Redevelopment Tracking System ("BRRTS"), a version of which appears on the DNR's internet site. You may view the information related to your site at any time (**http://dnr.wi.gov/botw/SetUpBasicSearchForm.do**) and use the feedback system to alert us to any errors in the data.

If you want a formal written response from the department on a specific submittal, please be aware that a review fee is required in accordance with ch. NR 749, Wis. Adm. Code. If a fee is not submitted with your reports, you must complete the site investigation and cleanup to maintain your compliance with the spills law and chapters NR 700 through NR754. **The timeframes specified above are required by rule, so do not delay the investigation of your site.** We have provided detailed technical guidance to environmental consultants. Your consultant is expected to know our technical procedures and administrative rules and should be able to answer your questions on meeting cleanup requirements.

All correspondence regarding this site should be sent to:

Carrie Stoltz-Project Manager

Remediation and Redevelopment Program
Wisconsin Department of Natural Resources
107 Sutliff Avenue
Rhinelander, WI 54501
Carrie.Stoltz@Wisconsin.gov

Unless otherwise directed, submit one paper copy and one electronic copy of plans and reports. To speed processing, correspondence should reference the BRRTS and FID numbers (if assigned) shown at the top of this letter.

Site Investigation and Vapor Pathway Analysis

As you develop the site investigation work plan, we want to remind you to include an assessment of the vapor intrusion pathway. Chapter NR 716, Wisconsin Administrative Code outlines the requirements for investigation of contamination in the environment. Specifically, s. NR 716.11(3) (a) requires that the field investigation determine the "nature, degree and extent, both areal and vertical, of the hazardous substances or environmental pollution in all affected media". In addition, section NR 716.11(5) (g) and (h) contains the specific requirements for evaluating the presence of vapors in the sub-surface as well as in indoor air.

You will need to include documentation with the Site Investigation Report that explains how the assessment was done. If the vapor pathway is being ruled out, then the report needs to provide the appropriate justification for reaching this conclusion. If the pathway cannot be ruled out, then investigation and, if appropriate, remedial action must be taken to address the risk presented prior to submitting the site for closure. The DNR has developed guidance to help responsible parties and their consultants comply with the requirements described above. The guidance includes a detailed explanation of how to assess the vapor intrusion pathway and provides criteria which identify when an investigation is necessary. The guidance is available at: http://dnr.wi.gov/files/PDF/pubs/rr/RR800.pdf.

Additional Information for Site Owners:
We encourage you to visit our website at http://dnr.wi.gov/topic/Brownfields/, where you can find information on selecting a consultant, financial assistance and understanding the cleanup process. You will also find information there about liability clarification letters, post-cleanup liability and more.

Information on Selecting a Consultant, Environmental Services Contractor List, Environmental Contamination Basics and Petroleum Environmental Cleanup Fund Award, Information about PECFA Reimbursement is enclosed.

If you have questions, please call me at (715)365-8942 for more information or visit the RR web site at the address above.

Thank you for your cooperation.

Sincerely,

Carrie Stoltz

Carrie Stoltz
Hydrogeologist
Remediation & Redevelopment Program

Enclosures:

1. Selecting a Consultant – RR-502
   http://dnr.wi.gov/files/PDF/pubs/rr/RR502.pdf

   Environmental Services Contractor List – RR-024
   http://dnr.wi.gov/files/PDF/pubs/rr/RR024.pdf

   Environmental Contamination Basics, RR-674
   http://dnr.wi.gov/files/PDF/pubs/rr/RR674.pdf

   Petroleum Environmental Cleanup Fund Award, Information about PECFA Reimbursement, DNR Publication RR-942
   http://dnr.wi.gov/topic/brownfields/pecfa.html

Stoltz, Carrie R - DNR

From: Ken Shimko <kshimko.meridianenv@gmail.com>
Sent: Monday, July 27, 2015 2:47 PM
To: Stoltz, Carrie R - DNR
Subject: FW: Release Notification

7/15/15 applied for Perfa – Ken did paperwork

-----Original Message-----
From: Stoltz, Carrie R - DNR [mailto:Carrie.Stoltz@wisconsin.gov]
Sent: Wednesday, July 15, 2015 10:33 AM
To: Ken Shimko <kshimko.meridianenv@gmail.com>
Subject: FW: Release Notification

FYI, please see below

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Carrie Stoltz
Phone (715)365-8942
Carrie.Stoltz@Wisconsin.gov

-----Original Message-----
From: Shafel, Kathleen S - DNR
Sent: Wednesday, July 15, 2015 10:28 AM
To: Ken Shimko
Cc: Stoltz, Carrie R - DNR
Subject: RE: Release Notification

Update - this site is assigned BRRTS # 03-61-563926

Regards,
We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Kathleen Shafel
Phone: (715) 623-4190 x 3127
Kathleen.Shafel@wisconsin.gov

-----Original Message-----
From: Shafel, Kathleen S - DNR
Sent: Wednesday, July 15, 2015 10:10 AM
To: 'Ken Shimko'
Cc: Stoltz, Carrie R - DNR
Subject: RE: Release Notification

This email is to confirm the Wisconsin Department of Natural Resources Remediation and Redevelopment Program has received your Notification for Hazardous Substance Discharge (Non-Emergency) form dated 7/15/15. The information has been forwarded to the assigned Project Manager for that area.

Thank you,
We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

Kathleen Shafel
Environmental Program Associate - Remediation & Redevelopment Bureau Wisconsin Department of Natural Resources
223 E Steinfest Rd, Antigo, WI 54409
Phone: (715) 623-4190 ext 3127
Fax: (715) 623-6773
Kathleen.Shafel@wisconsin.gov]

dnr.wi.gov

-----Original Message-----
From: Ken Shimko [mailto:kshimko.meridianenv@gmail.com]
Sent: Wednesday, July 15, 2015 9:51 AM
To: DNR RR NOR
Subject: Release Notification

Release Notification

The attached file is the filled-out form. Please open it to review the data.

Analytical data submitted to Carrie Stoltz - DNR

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Notification For Hazardous Substance Discharge (Non-Emergency Only)

Form 4400-225 (09/13) Page 1 of 2

Emergency Discharges / Spills should be reported via the 24-Hour Hotline: 1-800-943-0003

Notice: Hazardous substance discharges must be reported immediately according to s. 292.11 Wis. Stats. Non-emergency hazardous substance discharges may be reported by telefaxing or e-mailing a completed report to the Department, or calling or visiting a Department office in person. If you choose to notify the Department by telefax or by email, you should use this form to be sure that all necessary information is included. However, use of this form is not mandatory. Under s. 292.99, Wis. Stats., the penalty for violating the reporting requirements of ch. 292 Wis. Stats., shall be no less than $10 nor more than $5000 for each violation. Each day of continued violation is a separate offense. It is not the Department's intention to use any personally identifiable information from this form for any purpose other than program administration. However, information submitted on this form may also be made available to requesters under Wisconsin's Open Records Law (ss. 19.31 – 19.39, Wis. Stats.).

Confirmatory laboratory data should be included with this form, to assist the DNR in processing this Hazardous Substance Release Notification.

Complete this form. **TYPE or PRINT LEGIBLY.** NOTIFY appropriate DNR region (see next page) **IMMEDIATELY** upon discovery of a potential release from **(check one)**:

- [X] Underground Petroleum Storage Tank System (additional information may be required for Item 6 below)
- [ ] Aboveground Petroleum Storage Tank System
- [ ] Dry Cleaner Facility
- [ ] Other - Describe: _____

ATTN DNR: **R & R Program Associate** Date DNR Notified: 07/15/2015

1. Discharge Reported By

Name	Firm	Phone No. (include area code)
Kenneth Shimko	Meridian Environmental Consulting, LLC	(715) 832-6608

Mailing Address	Email Address
2711 North Elco Road, Fall Creek, WI 54742	kshimko.meridianenv@gmail.com

2. Site Information

Name of site at which discharge occurred. Include local name of site/business, not responsible party name, unless a residence/vacant property. Olson & Goodman Inc

Location: Include street address, not PO Box. If no street address, describe as precisely as possible, i.e., 1/4 mile NW of CTHs 60 & 123 on E side of CTH 60. 328 Hwy 13 South, Stetsonville, WI 54480

Municipality: (City, Village, Township) Specify municipality in which the site is located, not mailing address/city.
Stetsonville

County:	Legal Description:	WTM:
Taylor	___ 1/4 ___ 1/4 Sec ___ Tn ___ Range ___ ○E ○W	X ___ Y ___

3. Responsible Party (RP) and/or RP Representative

Responsible Party Name: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Olson & Goodman, Inc.

- [ ] Reported in compliance with s. 292.11(2), Wis. Stats., by a local government exempt from liability under s. 292.11(9)(e), Wis. Stats. For more information see **http://dnr.wi.gov/topic/Brownfields/Liability.html**.

Contact Person Name (if different)	Phone Number	Email Address
Bruce Olson		

Mailing Address	City	State	ZIP Code
P.O. Box 10	Stetsonville	WI	54480

Property owner if Different From RP: Business or owner name that is responsible for cleanup. If more than one, list all. Attach additional pages as necessary.

Contact Person Name (if different)	Phone Number	Email Address

Mailing Address	City	State	ZIP Code

(continued)

State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Notification For Hazardous Substance Discharge (Non-Emergency Only)

4. Hazardous Substance Information

Identify hazardous substance discharged (check all that apply):

- ☐ VOC's
- ☐ PAH's
- ☐ Metals (specify): _____
- ☐ Arsenic
- ☐ Chromium
- ☐ Cyanide
- ☐ Lead
- ☐ PCB's
- ☐ Diesel
- ☐ Fuel Oil
- ☒ Gasoline
- ☐ Hydraulic Oil
- ☐ Jet Fuel
- ☐ Mineral Oil
- ☐ Waste Oil
- ☐ Petroleum-Unknown Type
- ☐ PERC (Dry Cleaners)
- ☐ RCRA Hazardous Waste
- ☐ Leachate
- ☐ Fertilizer
- ☐ Pesticide/Herbicide/Insecticide(s)
- ☐ Other (specify): _____
- ☐ Unknown

5. Impacts to the Environment Information

Enter "K" for known/confirmed or "P" for potential for all that apply.

- ___ Air Contamination
- ___ Co-Contamination (Petroleum & Non-Petroleum)
- ___ Contamination Within 1 Meter of Bedrock
- ___ Contaminated Private Well
- ___ Contaminated Public Well
- ___ Contamination in Fractured Bedrock
- ___ Sanitary Sewer Contamination
- ___ Contamination in Right of Way
- ___ Fire Explosion Threat
- ___ Free Product
- K Groundwater Contamination
- ___ Off-Site Contamination
- ___ Other (specify): _____
- P Soil Contamination
- ___ Storm Sewer
- ___ Surface Water Contamination
- ___ Within 100 ft of Private Well
- ___ Within 1000 ft of Public Well

Contamination was discovered as a result of:

☐ Tank closure assessment Date _____ ☐ Site assessment Date _____ ☒ Other - Describe: Site Inv/GW Sampling adjacent property (MW-9P Date 09/23/2014

Lab results: ☒ Lab results will be faxed upon receipt ☐ Lab results are attached

Additional Comments: Include a brief description of immediate actions taken to halt the release and contain or cleanup hazardous substances that have been discharged.

Ongoing site investigation of neighboring property indicated GW impacts (MTBE) in MW-9P. Suspected source is Olson & Goodman tank.

6. Federal Energy Act Requirements (Section 9002(d) of the Solid Waste Disposal Act (SWDA))

For all confirmed releases from UST's occurring after 9/30/2007 please provide the following information:

☒ Does not apply.

Source

- ☐ Tank
- ☐ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other (specify): _____

Cause

- ☐ Spill
- ☐ Overfill
- ☐ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Installation Problem
- ☐ Other (does not fit any of above)
- ☐ Unknown

Contact information to report non-emergency releases in DNR's five regions are as follows:

Northeast Region (FAX: 920-662-5197); Attention -- R&R Program Associate: DNRRRNER@wisconsin.gov

Brown, Calumet, Door, Fond du Lac **(except City of Waupun - see South Central Region)**, Green Lake, Kewaunee, Manitowoc, Marinette, Marquette, Menominee, Oconto, Outagamie, Shawano, Sheboygan, Waupaca, Waushara, Winnebago counties

Northern Region (FAX: 715-623-6773); Attention -- R&R Program Associate: DNRRRNOR@wisconsin.gov

Ashland, Barron, Bayfield, Burnett, Douglas, Forest, Florence, Iron, Langlade, Lincoln, Oneida, Polk, Price, Rusk, Sawyer, Taylor, Vilas, Washburn counties

South Central Region (FAX: 608-273-5610); Attention -- R&R Program Associate: DNRRRSCR@wisconsin.gov

Columbia, Dane, Dodge, Fond du Lac **(City of Waupun only)**, Grant, Green, Iowa, Jefferson, Lafayette, Richland, Rock, Sauk, Walworth counties

Southeast Region (FAX: 414-263-8550); Attention -- R&R Program Associate: DNRRRSER@wisconsin.gov

Kenosha, Milwaukee, Ozaukee, Racine, Washington, Waukesha counties

West Central Region (FAX: 715-839-6076); Attention -- R&R Program Associate: DNRRRWCR@wisconsin.gov

Adams, Buffalo, Chippewa, Clark, Crawford, Dunn, Eau Claire, Jackson, Juneau, LaCrosse, Marathon, Monroe, Pepin, Pierce, Portage, St. Croix, Trempealeau, Vernon, Wood counties