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August 22, 2018

BRRTS #: 02-49-483615

PECFA #: 54858-9022-13-A

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

Subject: Osceola Oil Bulk Plant (Former) – Letter Report

Dear Ms. Stoltz,

Enclosed is the report for the Osceola Oil Bulk Plant (Former) site located in Milltown, Wisconsin.
This completes the workscope approved by the WDNR on December 1, 2017.

Drilling Project

On February 5-8, 2018, Professional Services Industries (PSI), of Chippewa Falls, Wisconsin, installed six monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6) under the direction and supervision of METCO personnel. The monitoring wells were installed to depths ranging from 35 to 36 feet below ground surface (bgs). During the drilling project, fifty-two soil samples were collected for field (PID) analysis of which three samples were submitted for laboratory analysis (PVOC, Naphthalene, PAH, and Lead). One additional soil sample, which was a composite sample of the soil waste, was collected for laboratory analysis (DRO, GRO, TCLP-Lead, and TCLP-Benzene) to be used by the landfill for waste disposal characterization. Upon completion, the monitoring wells were properly developed.

Geoprobe Project

On March 1, 2018, Geiss Soil & Samples, LLC of Merrill, Wisconsin conducted a Geoprobe project under the direction and supervision of METCO personnel. During the Geoprobe project six Geoprobe borings (G-23 through G-28) were completed to 12 feet bgs. During the Geoprobe project, eighteen soil samples were collected for field (PID) and laboratory analysis (PVOC, Naphthalene, PAH, and Lead). Upon completion, the Geoprobe borings were properly abandoned.

Groundwater Monitoring

On March 29, 2018, METCO collected groundwater samples from the six monitoring wells (MW-1 through MW-6) for laboratory analysis (VOC, PAH, Lead, Nitrate/Nitrite, Dissolved Iron, and Dissolved Manganese). Field measurements for water level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells. During the groundwater sampling, Faurbach Surveying & Engineering of Hillsboro, Wisconsin surveyed the monitoring wells to feet mean sea level (msl).

On June 14, 2018, METCO collected groundwater samples from the six monitoring wells (MW-1 through MW-6) for laboratory analysis (PVOC, PAH, and Lead). Field measurements for water

level, Dissolved Oxygen, pH, ORP, temperature, and Specific Conductivity were collected from all sampled monitoring wells.

Investigative Waste Disposal

On May 21, 2018, DKS Transport Services, LLC of Menomonie, Wisconsin picked up and disposed of twelve drums of soil cuttings at the Advanced Disposal – Seven Mile Creek Landfill in Eau Claire, Wisconsin.

Soil Analytical Results

MW-3-1 (3.5 feet bgs): Shows no detects for PVOC and PAH. A slight detect for lead was noted, but did not exceed the NR720 RCLs.

MW-3-2 (8 feet bgs): Shows no detects for PVOC and Naphthalene.

MW-3-3 (12 feet bgs): Shows no detects for PVOC and Naphthalene.

G-23-1 (3.5 feet bgs): Shows no detects for PVOC and PAH. A slight detect for lead was noted, but did not exceed the NR720 RCLs

G-23-2 (8 feet bgs): Shows Groundwater RCL exceedances for Ethylbenzene (5.8 ppm), Naphthalene (54 ppm), Toluene (5.4 ppm), Trimethylbenzenes (76.9 ppm), and Xylene (19.0 ppm).

G-23-3 (3.5 feet bgs): Shows no detects for PVOC and Naphthalene.

G-24-1 (3.5 feet bgs): Shows NR720 Groundwater RCL exceedances for Benzene (14.1 ppm), Ethylbenzene (43 ppm), and Naphthalene (46.0 ppm), Lead (36.9 ppm), Toluene (14.6 ppm), Trimethylbenzenes (231 ppm), Xylene (213 ppm), and Chrysene (0.261 ppm). The levels for Benzene (14.1 ppm), Ethylbenzene (43 ppm), Naphthalene (46 ppm), and 1-Methylnaphthalene (94 ppm) also exceed the Industrial Direct Contact RCLs.

G-24-2 (8 feet bgs): Shows an NR720 Groundwater RCL exceedances for Benzene (1.56 ppm), Ethylbenzene (12.7 ppm), Naphthalene (42 ppm), Toluene (4.4 ppm), Trimethylbenzenes (62.5 ppm), and Xylene (31.4 ppm).

G-24-3 (12 feet bgs): Shows no detects for PVOC and Naphthalene.

G-25-1 (3.5 feet bgs): Shows a NR720 Groundwater RCL exceedance for Lead (34.3 ppm).

G-25-2 (8 feet bgs): Shows no detects for PVOC and Naphthalene.

G-25-3 (12 feet bgs): Shows no detects for PVOC and Naphthalene.

G-26-1 (3.5 feet bgs): Shows a NR720 Groundwater RCL exceedance for Lead (119 ppm).

G-26-2 (8 feet bgs): Shows no detects for PVOC and Naphthalene.

G-26-3 (12 feet bgs): Shows no detects for PVOC and Naphthalene.

G-27-1 (3.5 feet bgs): Shows a NR720 Groundwater RCL exceedance for Lead (51 ppm).

G-27-2 (8 feet bgs): Shows no detects for PVOC and Naphthalene.

G-27-3 (12 feet bgs): Shows no detects for PVOC and Naphthalene.

G-28-1 (3.5 feet bgs): Shows a NR720 Groundwater RCL exceedance for Lead (50.3 ppm).

G-28-2 (8 feet bgs): Shows no detects for PVOC and Naphthalene.

G-28-3 (12 feet bgs): Shows no detects for PVOC and Naphthalene.

Groundwater Monitoring Results

Monitoring Well MW-1: Currently shows no detects for PVOC and PAH.

Monitoring Well MW-2: Currently shows no detects for PVOC and PAH.

Monitoring Well MW-3: Currently shows no detects for PVOC and PAH.

Monitoring Well MW-4: Currently shows no detects for PVOC. The results currently show several low level detects for PAH compounds, but no exceedances. NR140 PAL exceedances were noted for Benzo(a)pyrene (0.0213 ppb), Benzo(b)fluoranthene (0.034 ppb), Chrysene (0.0228 ppb) during the first sampling event.

Monitoring Well MW-5: Currently shows no detects for PVOC and Naphthalene.

Monitoring Well MW-6: Currently shows no detects for PVOC and Naphthalene.

Conclusions/Recommendations

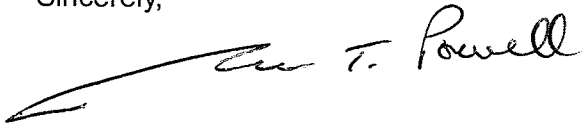
Based on the results of the investigation, METCO recommends that the Osceola Oil Bulk Plant (Former) site reviewed for closure for the following reasons: (1) The extent and degree of petroleum contamination in soil has been adequately defined. (2) Two very small areas of Direct Contact exceedances exist and could possibly be addressed via Cap Maintenance Plan. (3) No NR140 Enforcement Standard (ES) or Preventive Action Limits (PAL) exceedances in groundwater have been noted in the last sampling event. However, several NR140 Preventive Action Limits (PAL) exceedances were noted in the first groundwater sampling event. (4) There does not appear to be a vapor intrusion risk. (5) No municipal or private wells are known to exist within 1,200 feet of the source area. The Village of Milltown has two municipal water supply wells, which are located approximately 2,100 feet to the north-northeast of the subject property.

If the state concurs, please contact METCO to discuss closure activities and costs. However, if the Direct Contact exceedances need to be addressed via excavation prior to closure, please contact METCO to discuss the workscope and budget.

An Updated Site Layout Map, Groundwater Flow Maps (2), Soil Contamination Map, Data Tables, Waste Disposal Documents, Well Construction Forms, Well Development Forms, Soil Boring Logs, borehole abandonment forms, and Laboratory Documents have been attached.

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

Sincerely,

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

Jason T. Powell
Staff Scientist

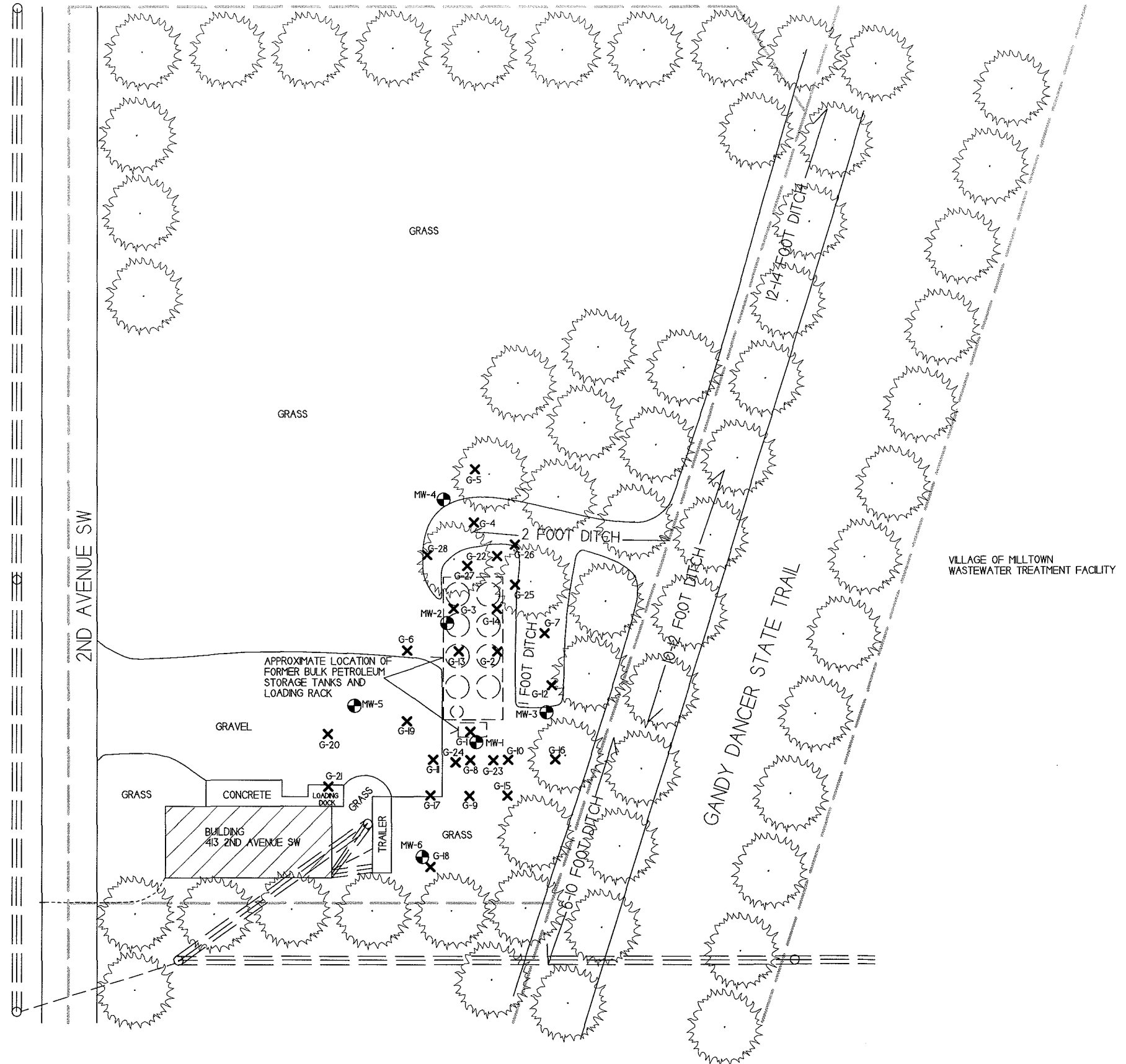
Attachments

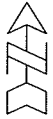

c: Mike Montgomery – Client

B.1b DETAILED SITE MAP OSCEOLA OIL BULK PLANT - MILLTOWN		
	MILLTOWN, WISCONSIN DRAWN BY: ED DATE: 03/30/2007	

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

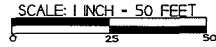
- ✕ - SOIL BORING LOCATION
 - - MONITORING WELL LOCATION
- SCALE: 1 INCH = 50 FEET
-
- - BURIED ELECTRIC LINE
 - - - - - TELEPHONE/FIBER OPTIC LINE
 - ==== OVERHEAD LINES
 - ===== PROPERTY BOUNDARY



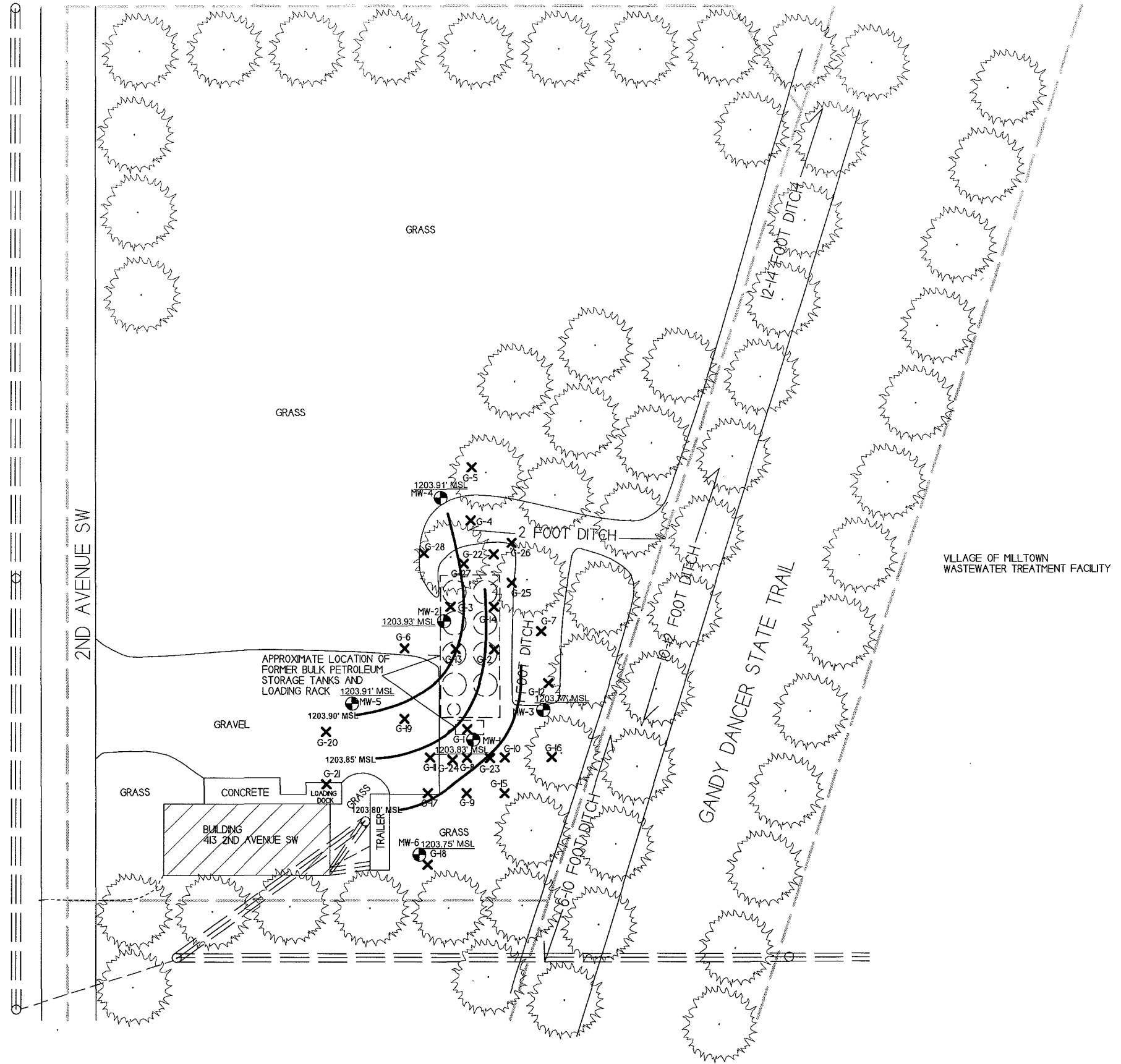
B.3.c. GROUNDWATER FLOW MAP (03/29/18)		
OSCEOLA OIL BULK PLANT - MILLTOWN		
	709 Glendale Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-8819 Fax: (608) 781-8853	MILLTOWN, WISCONSIN DRAWN BY: BD DATE: 03/30/2007

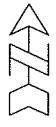

NOTE: INFORMATION BASED ON AVAILABLE
DATA. ACTUAL CONDITIONS MAY DIFFER

- ✕ - SOIL BORING LOCATION
- - MONITORING WELL LOCATION



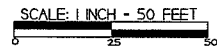
- - - - - BURIED ELECTRIC LINE
- · - · - · TELEPHONE/FIBER OPTIC LINE
- ==== OVERHEAD LINES
- ===== PROPERTY BOUNDARY



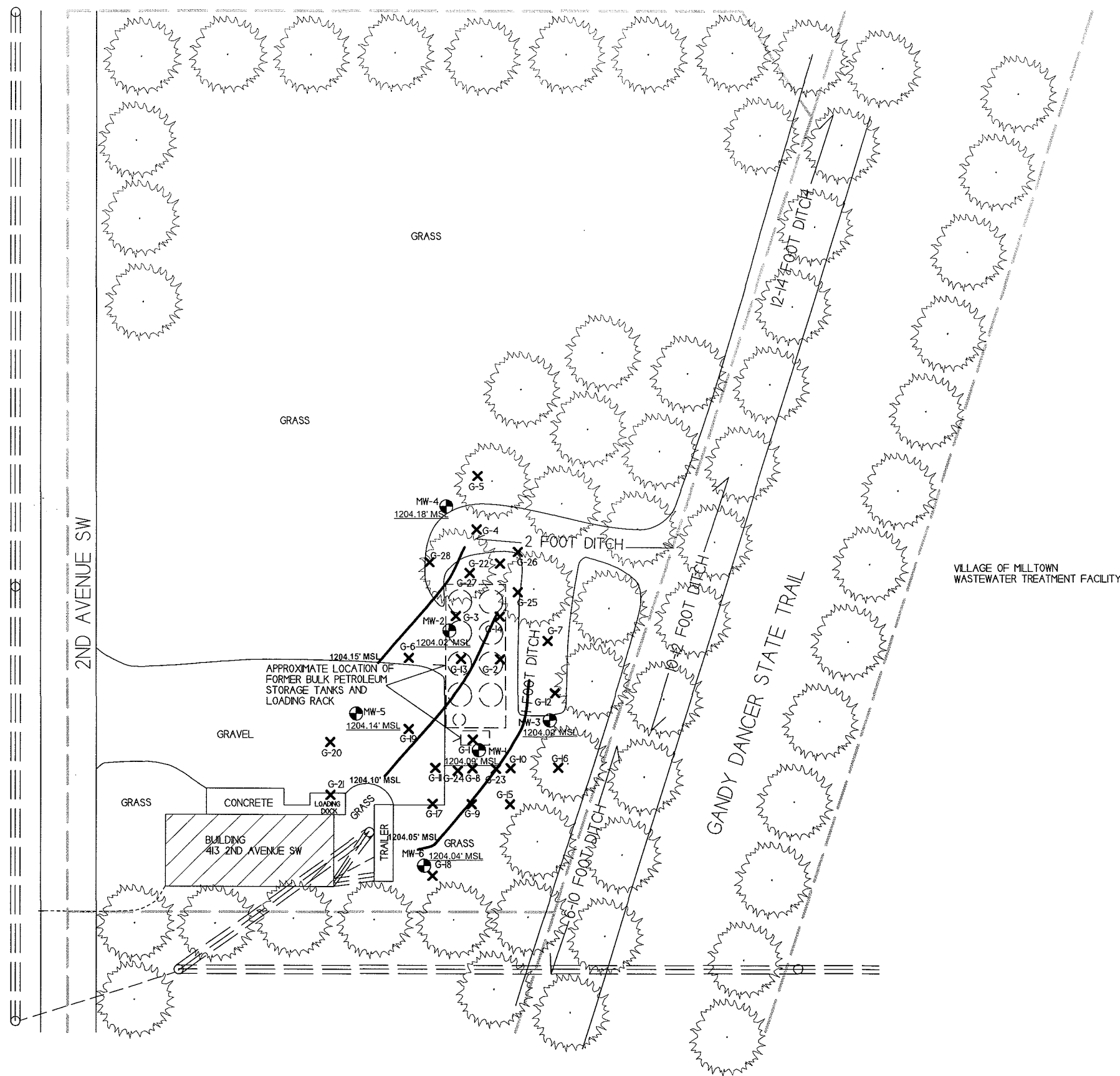
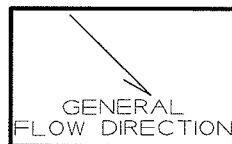
B.3.c. GROUNDWATER FLOW MAP (06/14/18)		
OSCEOLA OIL BULK PLANT - MILLTOWN		
 209 Grande Street, Suite 3 La Crosse, WI 54603 Tel: (608) 781-5879 Fax: (608) 781-9853	MILLTOWN, WISCONSIN	DRAWN BY: ED DATE: 03/30/2007

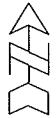

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- ✕ - SOIL BORING LOCATION
- - MONITORING WELL LOCATION



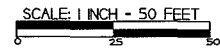
- - BURIED ELECTRIC LINE
- - - - - TELEPHONE/FIBER OPTIC LINE
- ==== OVERHEAD LINES
- ===== PROPERTY BOUNDARY



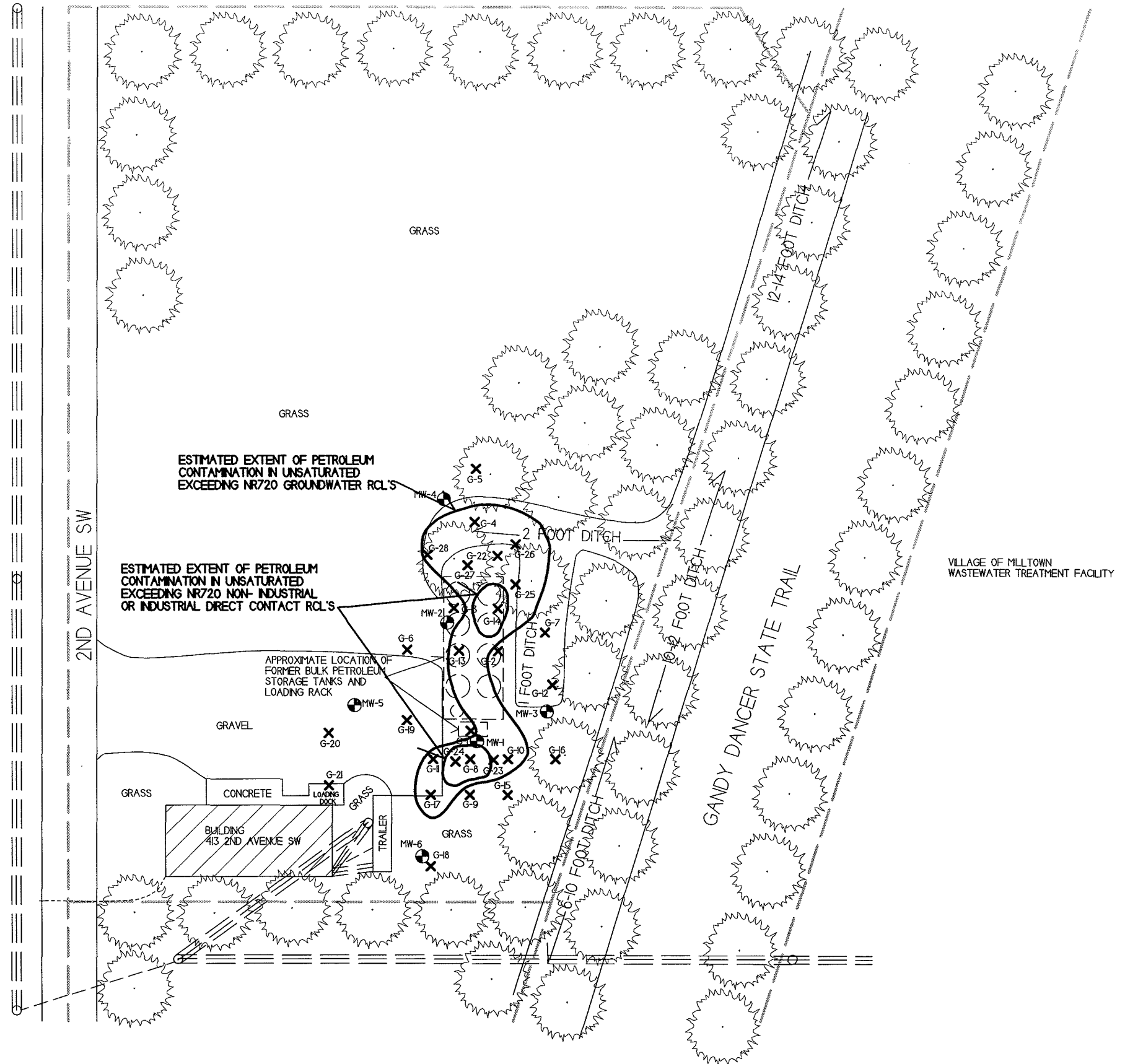
B.2.a SOIL CONTAMINATION OSCEOLA OIL BULK PLANT - MILLTOWN		
	MILLTOWN WISCONSIN <small>709 Gillette Street, Suite 2 La Crosse, WI 54603 Tel: (608) 781-8879 Fax: (608) 781-8893</small>	

NOTE: INFORMATION BASED ON AVAILABLE DATA. ACTUAL CONDITIONS MAY DIFFER

- ✕ - SOIL BORING LOCATION
- ⊕ - MONITORING WELL LOCATION



- - BURIED ELECTRIC LINE
- - - - - TELEPHONE/FIBER OPTIC LINE
- ==== OVERHEAD LINES
- ===== PROPERTY BOUNDARY



A.2 Soil Analytical Results Table
Osceola Oil Bulk Plant - Milltown BRRS #02-49-483615

Sample ID	Depth (feet)	Saturation U/S	Date	PID	Lead (ppm)	DRO (ppm)	GRO (ppm)	Benzene (ppm)	Ethyl Benzene (ppm)	MTBE (ppm)	Naphthalene (ppm)	Toluene (ppm)	1,2,4-Trimethylbenzene (ppm)	1,3,5-Trimethylbenzene (ppm)	Xylene (Total) (ppm)	Other VOC's (ppb)	DIRECT CONTACT PVOC & PAH COMBINED		
																	Exceedance Count	Hazard Index	Cumulative Cancer Risk
MW-5-1	3.5		02/05/18	0.7															
MW-5-2	8		02/05/18	0.2															
MW-5-3	12		02/05/18	0.2															
MW-5-4	16		02/05/18	0.4															
MW-5-5	20		02/05/18	0.0															
MW-5-6																			
MW-5-7	28		02/05/18	0.2															
MW-5-8	32		02/05/18	0.9															
MW-5-9	36		02/05/18	0.6															
MW-6-1	3.5		02/05/18	0.4															
MW-6-2	8		02/05/18	0.1															
MW-6-3	12		02/05/18	0.3															
MW-6-4	16		02/05/18	0.4															
MW-6-5	20		02/05/18	0.4															
MW-6-6	24		02/05/18	0.4															
MW-6-7	28		02/05/18	0.8															
MW-6-8	32		02/05/18	0.8															
MW-6-9	36		02/05/18	0.9															
B-4-1	3.5		02/06/18	0.6															
MW-4-1																			
MW-4-2	12		02/06/18	0.8															
MW-4-3	18		02/06/18	0.9															
MW-4-4	20		02/06/18	1.3															
MW-4-5	24		02/06/18	1.0															
MW-4-6	28		02/06/18	0.8															
MW-4-7	32		02/06/18	0.9															
MW-4-8	36		02/06/18	1.1															
MW-2-1	3.5		02/07/18	0.2															
MW-2-2	8		02/07/18	0.0															
MW-2-3	12		02/07/18	0.1															
MW-2-4	16		02/07/18	1.0															
MW-2-5	20		02/07/18	0.7															
MW-2-6	24		02/07/18	0.5															
MW-2-7	28		02/07/18	0.8															
MW-2-8	32		02/07/18	0.2															
MW-2-9	36		02/07/18	0.6															
MW-3-1	3.5		02/07/18	0.6	8.84	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0	0.00E+00	
MW-3-2	8		02/07/18	0.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-3-3	12		02/07/18	0.0	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
MW-3-4	16		02/07/18	0.1															
MW-3-5	20		02/07/18	0.4															
MW-3-6	24		02/07/18	0.4															
MW-3-7	28		02/07/18	1.0															
MW-3-8	32		02/07/18	1.3															
MW-3-9	36		02/07/18	0.5															
MW-1-1	3.5		02/08/18	2.3															
MW-1-2	8		02/08/18	149.0															
MW-1-3	12		02/08/18	0.8															
MW-1-4	16		02/08/18	0.4															
MW-1-5	20		02/08/18	0.4															
MW-1-6	24		02/08/18	0.3															
MW-1-7	28		02/08/18	0.2															
MW-1-8	32		02/08/18	0.5															
MW-1-9	36		02/08/18	1.1															
DRUM COMP	M		02/08/18	NM	NS	70.3	33	NS	NS	NS	NS	NS	NS	NS	NS	NS	TCLP LEAD <0.1	TCLP BENZENE <0.05	
G-23-1	3.5		03/01/18	5.1	8.09	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0		
G-23-2	8.0		03/01/18	5000	NS	NS	NS	<1.475	5.8	<1.475	54	5.4	67	9.9	19.0	NS			
G-23-3	12.0		03/01/18	5.1	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-24-1	3.5		03/01/18	405	36.9	NS	NS	(14.1)	(43)	<2.5	(46.0)	14.6	172	59	213	NS	4	1.8678	2.8E-05
G-24-2	8.0		03/01/18	469	NS	NS	NS	1.56	12.7	<1.475	42	4.4	59	3.5	31.4	NS			
G-24-3	12.0		03/01/18	34	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS			
G-25-1	3.5		03/01/18	0.8	34.3	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0	0.0007	1.0E-08
G-25-2	8.0		03/01/18	0.6	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-25-3	12.0		03/01/18	0.6	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-26-1	3.5		03/01/18	0.5	119	NS	NS	<0.025	<0.025	<0.025	0.0199	<0.025	<0.025	<0.025	<0.075	NS	0	0.3044	1.4E-06
G-26-2	8.0		03/01/18	0.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-26-3	12.0		03/01/18	0.5	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-27-1	3.5		03/01/18	0.4	51.3	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0	0	1.3E-08
G-27-2	8.0		03/01/18	0.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-27-3	12.0		03/01/18	0.4	NS	NS	NS	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.075	NS			
G-28-1	3.5		03/01/18	0.4	50.3	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS	0	0.0023	4.5E-07
G-28-2	8.0		03/01/18	0.3	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	0.071	<0.025	<0.025	<0.075	NS			
G-28-3	12.0		03/01/18	0.3	NS	NS	NS	<0.025	<0.025	<0.025	<0.0153	<0.025	<0.025	<0.025	<0.075	NS			
Groundwater RCL					27	-	-	0.00512	1.57	0.027	0.6582	1.11	1.38	3.96	-	-			
Non-Industrial Direct Contact RCL					400	-	-	1.6	8.02	63.8	5.52	818	219	182	260	-		1.00E+00	1.00E-05
Industrial Direct Contact RCL					(800)	-	-	(7.07)	(35.4)	(282)	(24.1)	(818)	(219)	(182)	(258)	-		1.00E+00	1.00E-05
Soil Saturation Concentration (C-sat)*					-	-	-	1820*	480*	8870*	-	818*	219*	182*	258*	-			

Bold = Groundwater RCL Exceedance
Bold & Underline = Non Industrial Direct Contact RCL Exceedance
Bold & Parentheses = Industrial Direct Contact RCL Exceedance
Bold & Asteric = C-sat Exceedance
Italics = Industrial Direct Contact RCL
 NS = Not Sampled
 (ppm) = parts per million
 DRO = Diesel Range Organics
 GRO = Gasoline Range Organics
 PID = Photoionization Detector
 PVOC's = Petroleum Volatile Organic Compounds
 VOC's = Volatile Organic Compounds
Note: Non-Industrial RCLs apply to this site.

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)
 S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.2 Soil Analytical Results Table
(PAH)

Osceola Oil Bulk Plant - Milltown BRRS #02-49-483615

Sample	Depth (feet)	Saturation U/S	Date	Acenaphthene (ppm)	Acenaphthylene (ppm)	Anthracene (ppm)	Benzo(a)anthracene (ppm)	Benzo(a)pyrene (ppm)	Benzo(b)fluoranthene (ppm)	Benzo(g,h,i)perylene (ppm)	Benzo(k)fluoranthene (ppm)	Chrysene (ppm)	Dibenzo(a,h)anthracene (ppm)	Fluoranthene (ppm)	Fluorene (ppm)	Indeno(1,2,3-cd)pyrene (ppm)	1-Methylnaphthalene (ppm)	2-Methylnaphthalene (ppm)	Naphthalene (ppm)	Phenanthrene (ppm)	Pyrene (ppm)	DIRECT CONTACT PVOC & PAH COMBINED			
																						Exceedance Count	Hazard Index	Cumulative Cancer Risk	
G-1-1	3.5	U	05/24/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-1-2	7	U	05/24/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	0.256	<0.0114	0.90	0.72	0.165	<0.0111	<0.0153				
G-2-1	3.5	U	05/24/17	0.111	0.117	0.048	0.039	0.091	0.154	0.123	0.042	0.052	0.0271	0.0217	0.0211	0.097	0.029	0.072	0.0262	0.048	0.074	0	0.0074	1.2E-06	
G-3-1	3.5	U	05/24/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0	0.0004		
G-4-1	3.5	U	05/24/17	<0.0151	<0.0159	<0.0109	0.053	0.057	0.085	0.041	0.0249	0.051	0.0099	0.081	<0.0179	0.035	<0.0203	<0.0113	<0.0153	0.0211	0.078	0	0.1380	7.4E-07	
G-6-1	3.5	U	05/24/17	<0.0151	<0.0159	<0.0109	0.0311	0.0256	0.035	0.0209	<0.0147	0.0256	<0.0078	0.042	<0.0179	0.0169	<0.0203	<0.0113	<0.0153	<0.0111	0.05	0	0.0015	3.0E-07	
G-7-1	3.5	U	05/24/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-8-1	3.5	U	05/24/17	0.45	0.51	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	1.46	<0.0114	30.7	42	17	0.69	<0.0153	3	0.8175	8.9E-06	
G-9-1	3.5	U	05/24/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-10-1	3.5	U	05/24/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0	0.0008		
G-11-1	3.5	U	05/24/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-12-1	3.5	U	05/25/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-13-1	3.5	U	05/25/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	0.229	0.44	0.54	<0.0111	<0.0153	0	0.0168	2.4E-07	
G-14-1	3.5	U	05/25/17	0.0272	0.213	0.128	0.189	0.61	0.80	0.78	0.17	0.254	0.159	0.209	0.0308	0.57	0.209	0.36	0.214	0.113	0.59	2	0.0559	8.2E-06	
G-22-1	3.5	U	05/25/17	<0.0151	<0.0159	<0.0109	<0.0116	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0	0.8425		
MW-3-1	3.5	U	02/07/18	<0.0151	<0.0159	<0.0109	<0.013	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-23-1	3.5		03/01/18	<0.0151	<0.0159	<0.0109	<0.013	<0.0113	<0.013	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0			
G-24-1	3.5		03/01/18	3.06	1.56	2.62	<0.26	<0.226	<0.26	<0.228	<0.294	0.261	<0.156	0.43	8.40	<0.228	(94.0)	129	(46.0)	14.9	0.89	4	1.8678	2.8E-05	
G-25-1	3.5		03/01/18	<0.0151	<0.0159	<0.0109	<0.013	<0.0113	<0.013	<0.0138	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	0.057	0.086	0.04	0.0265	<0.0153	0	0.0007	1.0E-08	
G-26-1	3.5		03/01/18	0.0216	0.0209	0.058	0.101	0.113	0.154	0.066	0.056	0.144	0.0128	0.34	0.035	0.057	<0.0203	0.0151	0.0199	0.39	0.306	0	0.3044	1.4E-06	
G-27-1	3.5		03/01/18	<0.0151	<0.0159	<0.0109	<0.013	<0.0113	0.0148	<0.0114	<0.0147	<0.0121	<0.0078	<0.0147	<0.0179	<0.0114	<0.0203	<0.0113	<0.0153	<0.0111	<0.0153	0	0	1.3E-08	
G-28-1	3.5		03/01/18	<0.0151	<0.0159	<0.0109	0.035	0.04	0.061	0.0242	0.0213	0.041	<0.0078	0.042	<0.0179	0.0207	<0.0203	<0.0113	<0.0153	0.0163	0.048	0	0.0023	4.5E-07	
Groundwater RCL				---	---	197	---	0.47	0.4793	---	---	0.145	---	88.8	14.8	---	---	---	0.6582	---	54.5				
Non-Industrial Direct Contact RCL				3590	---	17900	1.140	0.1150	1.150	---	11.50	115	0.1150	2390	2390	1.150	17.6	239	5.52	---	1790		1.00E+00	1.00E-05	
Industrial Direct Contact RCL				(45200)	---	(100000)	(20.8)	(2.11)	(21.1)	---	(211)	(2110)	(2.11)	(30100)	(30100)	(21.1)	(72.7)	(3010)	(24.1)	---	(22600)				
Soil Saturation Concentration (C-sat)*				---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---			

Bold = Groundwater RCL Exceedance

Bold & Underline = Non Industrial Direct Contact RCL Exceedance

(Bold & Parentheses) = Industrial Direct Contact RCL Exceedance

Bold & Asteric * = C-sat Exceedance

Italics = Industrial Direct Contact RCL

NS = Not Sampled

(ppm) = parts per million

PAH = Polynuclear Aromatic Hydrocarbons

PID = Photoionization Detector

VOC's = Volatile Organic Compounds

NM = Not Measured

ND = No Detects

U=UNSATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

S=SATURATED (BASED ON ALL TIME LOW WATER TABLE PER WDNR)

A.1 Groundwater Analytical Table
Osceola Oil Bulk Plant - Milltown BRRTS #02-49-483615

Well MW-1

PVC Elevation = 1234.39 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
03/29/18	1203.83	30.56	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/14/18	1204.09	30.30	<0.9	<0.22	<0.53	<0.57	0.0267	<0.45	<1.48	<1.58
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-2

PVC Elevation = 1234.55 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
03/29/18	1203.93	30.62	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/14/18	1204.20	30.35	<0.9	<0.22	<0.53	<0.57	<0.023	<0.45	<1.48	<1.58
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-3

PVC Elevation = 1234.03 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethyl-benzenes (ppb)	Xylene (Total) (ppb)
03/29/18	1203.77	30.26	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/14/18	1204.02	30.01	<0.9	<0.22	<0.53	<0.57	<0.023	<0.45	<1.48	<1.58
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

A.1 Groundwater Analytical Table
Osceola Oil Bulk Plant - Milltown BRRTS #02-49-483615

Well MW-4
PVC Elevation = 1232.90 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
03/29/18	1203.91	28.99	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/14/18	1204.18	28.72	<0.9	<0.22	<0.53	<0.57	<0.023	<0.45	<1.48	<1.58
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-5
PVC Elevation = 1234.68 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
03/29/18	1203.91	30.77	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/14/18	1204.14	30.54	<0.9	<0.22	<0.53	<0.57	<0.023	<0.45	<1.48	<1.58
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

Well MW-6
PVC Elevation = 1234.95 (feet) (MSL)

Date	Water Elevation (in feet msl)	Depth to water from top of PVC (in feet)	Lead (ppb)	Benzene (ppb)	Ethyl Benzene (ppb)	MTBE (ppb)	Naphthalene (ppb)	Toluene (ppb)	Trimethylbenzenes (ppb)	Xylene (Total) (ppb)
03/29/18	1203.75	31.20	<0.9	<0.22	<0.26	<0.28	<2.1	<0.19	<1.43	<0.72
06/14/18	1204.04	30.91	<0.9	<0.22	<0.53	<0.57	<0.023	<0.45	<1.48	<1.58
ENFORCEMENT STANDARD ES = Bold			15	5	700	60	100	800	480	2000
PREVENTIVE ACTION LIMIT PAL = Italics			<i>1.5</i>	<i>0.5</i>	<i>140</i>	<i>12</i>	<i>10</i>	<i>160</i>	<i>96</i>	<i>400</i>

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

A.1 Groundwater Analytical Table
(PAH)

Osceola Oil Bulk Plant - Milltown BRRS #02-49-483615

Well MW-1

Date	Acenaphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
3/29/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.04	<0.04	<0.025	<0.03
6/14/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.0236	0.0267	<0.025	<0.03
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

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

Well MW-2

Date	Acenaphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
3/29/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.04	<0.04	<0.025	<0.03
6/14/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.0236	<0.023	<0.025	<0.03
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

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

Well MW-3

Date	Acenaphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
3/29/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.04	<0.04	<0.025	<0.03
6/14/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.0236	<0.023	<0.025	<0.03
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

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

A.1 Groundwater Analytical Table

(PAH)

Osceola Oil Bulk Plant - Milltown BRRTS #02-49-483615

Well MW-4

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
3/29/2018	0.0111	0.0193	0.0142	0.0284	0.0213	0.034	0.0168	0.0151	0.0228	<0.01	<0.031	0.0165	0.0159	<0.0239	<0.04	<0.04	<0.025	<0.03
6/14/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	0.0141	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.0236	<0.023	<0.025	<0.03
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
3/29/2018	<0.008	0.0174	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	0.013	<0.012	<0.0239	<0.04	<0.04	<0.025	<0.03
6/14/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.0236	<0.023	<0.025	<0.03
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

Well MW-6

Date	Ace-naphthene (ppb)	Acenaphthylene (ppb)	Anthracene (ppb)	Benzo(a)anthracene (ppb)	Benzo(a)pyrene (ppb)	Benzo(b)fluoranthene (ppb)	Benzo(g,h,i)Perylene (ppb)	Benzo(k)fluoranthene (ppb)	Chrysene (ppb)	Dibenzo(a,h)anthracene (ppb)	Fluoranthene (ppb)	Fluorene (ppb)	Indeno(1,2,3-cd)pyrene (ppb)	1-Methylnaphthalene (ppb)	2-Methylnaphthalene (ppb)	Naphthalene (ppb)	Phenanthrene (ppb)	Pyrene (ppb)
3/29/2018	<0.008	0.0278	0.0094	0.0268	0.0225	0.036	0.0255	<0.014	0.0213	0.0133	0.036	0.0214	0.045	<0.0239	<0.04	<0.04	0.0271	0.035
6/14/2018	<0.008	<0.009	<0.009	<0.017	<0.017	<0.02	<0.011	<0.014	<0.019	<0.01	<0.031	<0.011	<0.012	<0.0239	<0.0236	<0.023	<0.025	<0.03
ENFORCEMENT STANDARD = ES - Bold			3000	-	0.2	0.2	-	-	0.2	-	400	400	-	-	-	100	-	250
PREVENTIVE ACTION LIMIT = PAL - Italics			600	-	0.02	0.02	-	-	0.02	-	80	80	-	-	-	10	-	50

(ppb) = parts per billion (ppm) = parts per million

ns = not sampled nm = not measured

Note: Elevations are presented in feet mean sea level (msl).

A.1 Groundwater Analytical Table
 Osceola Oil Bulk Plant - Milltown BRRTS #02-49-483615

Well Sampling Conducted on: March 29, 2018

VOC's Well Name	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	ENFORCE MENT STANDARD = ES - Bold		PREVENTIVE ACTION LIMIT = PAL - Italics	
Lead, dissolved/ppb	<0.09	<0.09	<0.09	<0.09	<0.09	<0.09	15		<i>1.5</i>	
Benzene/ppb	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	5		<i>0.5</i>	
Bromobenzene/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	==		==	
Bromodichloromethane/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	0.6		<i>0.06</i>	
Bromoform/ppb	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	< 0.45	4.4		<i>0.44</i>	
tert-Butylbenzene/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	==		==	
sec-Butylbenzene/ppb	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	< 0.79	==		==	
n-Butylbenzene/ppb	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	< 0.71	==		==	
Carbon Tetrachloride/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	5		<i>0.5</i>	
Chlorobenzene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==		==	
Chloroethane/ppb	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	400		<i>80</i>	
Chloroform/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	6		<i>0.6</i>	
Chloromethane/ppb	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	< 0.54	30		<i>3</i>	
2-Chlorotoluene/ppb	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	< 0.31	==		==	
4-Chlorotoluene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==		==	
1,2-Dibromo-3-chloropropane/ppb	< 2.96	< 2.96	< 2.96	< 2.96	< 2.96	< 2.96	0.2		<i>0.02</i>	
Dibromochloromethane/ppb	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	< 0.22	60		<i>6</i>	
1,4-Dichlorobenzene/ppb	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	< 0.7	75		<i>15</i>	
1,3-Dichlorobenzene/ppb	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	< 0.85	600		<i>120</i>	
1,2-Dichlorobenzene/ppb	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	< 0.86	600		<i>60</i>	
Dichlorodifluoromethane/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	1000		<i>200</i>	
1,2-Dichloroethane/ppb	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	5		<i>0.5</i>	
1,1-Dichloroethane/ppb	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	< 0.36	850		<i>85</i>	
1,1-Dichloroethene/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	7		<i>0.7</i>	
cis-1,2-Dichloroethene/ppb	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	< 0.37	70		<i>7</i>	
trans-1,2-Dichloroethene/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	100		<i>20</i>	
1,2-Dichloropropane/ppb	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	< 0.44	5		<i>0.5</i>	
1,3-Dichloropropane/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	==		==	
trans-1,3-Dichloropropene/ppb	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	< 0.32	0.4		<i>0.04</i>	
cis-1,3-Dichloropropene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	==		==	
Di-isopropyl ether/ppb	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	==		==	
EDB (1,2-Dibromoethane)/ppb	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	< 0.34	0.05		<i>0.005</i>	
Ethylbenzene/ppb	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	< 0.26	700		<i>140</i>	
Hexachlorobutadiene/ppb	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	< 1.34	==		==	
Isopropylbenzene/ppb	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	< 0.78	==		==	
p-Isopropyltoluene/ppb	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	< 0.24	==		==	
Methylene chloride/ppb	< 1.32	< 1.32	< 1.32	< 1.32	< 1.32	< 1.32	5		<i>0.5</i>	
Methyl tert-butyl ether (MTBE)/ppb	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	< 0.28	60		<i>12</i>	
Naphthalene/ppb	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	< 2.1	100		<i>10</i>	
n-Propylbenzene/ppb	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	< 0.61	==		==	
1,1,2,2-Tetrachloroethane/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	0.2		<i>0.02</i>	
1,1,1,2-Tetrachloroethane/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	70		<i>7</i>	
Tetrachloroethene (PCE)/ppb	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	< 0.38	5		<i>0.5</i>	
Toluene/ppb	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	< 0.19	800		<i>160</i>	
1,2,4-Trichlorobenzene/ppb	< 1.15	< 1.15	< 1.15	< 1.15	< 1.15	< 1.15	70		<i>14</i>	
1,2,3-Trichlorobenzene/ppb	< 1.71	< 1.71	< 1.71	< 1.71	< 1.71	< 1.71	==		==	
1,1,1-Trichloroethane/ppb	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	< 0.33	200		<i>40</i>	
1,1,2-Trichloroethane/ppb	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	< 0.42	5		<i>0.5</i>	
Trichloroethene (TCE)/ppb	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	< 0.3	5		<i>0.5</i>	
Trichlorofluoromethane/ppb	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	< 0.35	==		==	
1,2,4-Trimethylbenzene/ppb	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	==		==	
1,3,5-Trimethylbenzene/ppb	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	< 0.63	Total TMB's 480		<i>Total TMB's 96</i>	
Vinyl Chloride/ppb	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.2		<i>0.02</i>	
m&p-Xylene/ppb	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	< 0.43	==		==	
o-Xylene/ppb	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	< 0.29	Total Xylenes 2000		<i>Total Xylenes 400</i>	

NS = not sampled, NM = Not Measured
 Q = Analyte detected above laboratory method detection limit but below practical quantitation limit.
 == No Exceedences
 (ppb) = parts per billion
 "J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

A.6 Water Level Elevations
Osceola Oil Bulk Plant - Milltown BRRTS #02-49-483615
Milltown, Wisconsin

	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Ground Surface (feet msl)	1234.99	1235.10	1234.65	1233.52	1235.19	1235.46
PVC top (feet msl)	1234.39	1234.55	1234.03	1232.90	1234.68	1234.95
Well Depth (feet)	36.00	36.00	36.00	36.00	36.00	35.00
Top of screen (feet msl)	1208.99	1209.10	1208.65	1207.52	1209.19	1210.46
Bottom of screen (feet msl)	1198.99	1199.10	1198.65	1197.52	1199.19	1200.46
Depth to Water From Top of PVC (feet)						
03/29/18	30.56	30.62	30.26	28.99	30.77	31.20
06/14/18	30.30	30.35	30.01	28.72	30.54	30.91
Depth to Water From Ground Surface (feet)						
03/29/18	31.16	31.17	30.88	29.61	31.28	31.71
06/14/18	30.90	30.90	30.63	29.34	31.05	31.42
Groundwater Elevation (feet msl)						
03/29/18	1203.83	1203.93	1203.77	1203.91	1203.91	1203.75
06/14/18	1204.09	1204.20	1204.02	1204.18	1204.14	1204.04

A.7 Other
Groundwater NA Indicator Results
Osceola Oil Bulk Plant - Milltown BRRTS #02-49-483615

Well MW-1

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/29/18	3.58	6.61	288	9.5	231.5	0.89	15.0	0.04	20.1
06/14/18	4.12	6.61	303	9.1	3194	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-2

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/29/18	3.11	7.00	264	9.3	648	0.65	87.0	0.13	29.8
06/14/18	3.81	7.14	283	9.5	718	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-3

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/29/18	4.72	7.12	269	9.1	528	0.42	61.7	0.09	24.2
06/14/18	5.55	6.92	269	9.7	368.1	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES – Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						<i>2</i>	-	-	<i>60</i>

(ppb) = parts per billion (ppm) = parts per million
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

A.7 Other
Groundwater NA Indicator Results
Osceola Oil Bulk Plant - Milltown BRRTS #02-49-483615

Well MW-4

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/29/18	4.84	6.75	229	8.4	597	<0.36	35.2	0.03	65.0
06/14/18	1.93	7.06	321	8.8	652	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-5

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/29/18	7.04	6.69	244	8.4	179.5	0.65	6.40	0.03	20.1
06/14/18	12.03	6.33	327	9.0	890	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

Well MW-6

Date	Dissolved Oxygen (ppm)	pH	ORP	Temp (C)	Specific Conductance	Nitrate + Nitrite (ppm)	Total Sulfate (ppm)	Dissolved Iron (ppm)	Manganese (ppb)
03/29/18	7.17	6.03	194	8.1	258.2	0.81	8.79	0.05	13.8
06/14/18	3.25	6.55	317	8.9	295.6	NS	NS	NS	NS
ENFORCEMENT STANDARD = ES - Bold						10	-	-	300
PREVENTIVE ACTION LIMIT = PAL - Italics						2	-	-	60

(ppb) = parts per billion (ppm) = parts per million
 NS = not sampled NM = not measured ORP = Oxidation Reduction Potential
 Note: Elevations are presented in feet mean sea level (msl).

**DKS Transport
Services, LLC**

N7349 548th Street
Menomonie, WI 54751

715-556-2604

INVOICE

5-21

20 18

CUSTOMER

JOB NAME

Metro % Mike Montgomery
709 Gillett St
La Crosse WI 54603

Oscoda Oil Bulk Plant
Milhouse WI

CASH CHECK # _____ IN-HOUSE ACCOUNT

QUANTITY		DESCRIPTION	QTY.	UNIT PRICE		AMOUNT	
DATE	SHIPPED						
	1	MORILIZATION	1	287	70	287	70
	12	Haul 50 drums to Advanced Disposal Eau Claire WI	12	108	15	1297	80
						TOTAL	1585 50

Thank You
Mike Adams

due upon receipt of invoice.
5% per month Service Charge (18% Annual Percentage Rate) will be added to past due accounts.

SIGNATURE _____

218

8001 OLSON DRIVE
EAU CLAIRE, WI 54703
7158300284

002369
DKS TRANSPORT LLC
DKS/18049BIO@
2520 WILSON ST
MENOMONIE, WI 54751

*Cliff
Portage
Fredonia
Milwaukee x2
Mauroe
MADISON*

INVOICE
INBOUND

SITE	CELL	TICKET #	OPERATOR	
G3		759009	SFALTER	
TRUCK		CONTAINER	LICENSE	
DKS74				
REFERENCE			IN	OUT
109180			5/15/18 11:36 am	5/15/18 11:36 am

CONTRACT: PETROLEUM/18049BIO@				GROSS	43,060.00LBS Scale In		
BOL:				TARE	29,400.00LBS Tare Out		
				NET	13,660.00LBS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
6.83	TN	34A@/EX C-Soil/Pet-Ldd Gs-ADC	WI	100.00			
1.00	EA	Profile Fee EX	WI	100.00			

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total
Paid
Change
Check#
Recpt #

SIGNATURE: _____

CUSTOMER COPY

7 MILE CREEK LANDFILL, LLC
8001 OLSON DRIVE
EAU CLAIRE, WI 54703
7158300284

002369
DKS TRANSPORT LLC
DKS/18049BIO@
2520 WILSON ST
MENOMONIE, WI 54751

*Mauroe
Dairyland
MILWAU*

INVOICE
INBOUND

SITE	CELL	TICKET #	OPERATOR	
G3		759132	42997	
TRUCK		CONTAINER	LICENSE	
DKS74				
REFERENCE			IN	OUT
109181			5/16/18 8:02 am	5/16/18 8:05 am

CONTRACT: PETROLEUM/18049BIO@				GROSS	41,940.00LBS Scale In		
BOL:				TARE	29,400.00LBS Tare Out		
				NET	12,540.00LBS		
QTY	UNIT	DESCRIPTION	ORIGIN	%	RATE	TAX	TOTAL
6.27	TN	34A@/EX C-Soil/Pet-Ldd Gs-ADC	WI	100.00			

I hereby certify that this load does not contain any unauthorized hazardous waste.

Total
Paid
Change
Check#
Recpt #

SIGNATURE: _____

CUSTOMER COPY

Facility/Project Name: Oreola Oil - Milltown Local Grid Location of Well: _____ ft. N. _____ ft. E. _____ ft. S. _____ ft. W.
Well Name: M3W-1
Facility License, Permit or Monitoring No.: _____ Local Grid Origin (estimated:) or Well Location
Lat. 45° 31' 10.50" Long. 92° 30' 30.40" or _____
Wis. Unique Well No.: VPL70 DNR Well ID No.: _____
Facility ID: _____ St. Plane _____ ft. N. _____ ft. E. S/C/N _____
Date Well Installed: 02/08/2018
Type of Well: _____ Section Location of Waste/Source: _____
Well Code: 1 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. E. W.
Well Installed By: Name (first, last) and Firm: Joe Beck P.S.T.
Distance from Waste/Source _____ ft. Enf. Stds. Apply Location of Well Relative to Waste/Source: u Upgradient s Sidegradient d Downgradient n Not Known Gov. Lot Number _____

A. Protective pipe, top elevation _____ ft. MSL Yes No
B. Well casing, top elevation _____ ft. MSL
C. Land surface elevation _____ ft. MSL
D. Surface seal, bottom _____ ft. MSL or _____ ft.

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

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

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

E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or 22 ft.
G. Filter pack, top _____ ft. MSL or 24 ft.
H. Screen joint, top _____ ft. MSL or 26 ft.
I. Well bottom _____ ft. MSL or 36 ft.
J. Filter pack, bottom _____ ft. MSL or 36 ft.
K. Borehole, bottom _____ ft. MSL or 36 ft.
L. Borehole, diameter 8 in.
M. O.D. well casing 2.9 in.
N. I.D. well casing 2.1 in.

1. Cap and lock? Yes No
2. Protective cover pipe:
a. Inside diameter: 8 in.
b. Length: 1 ft.
c. Material: Steel 04
Other
d. Additional protection? Yes No
If yes, describe: _____
3. Surface seal: Bentonite 30
Concrete 01
Other
4. Material between well casing and protective pipe: Bentonite 30
Other
5. Annular space seal: a. Granular/Chipped Bentonite 33
b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry 35
c. _____ Lbs/gal mud weight Bentonite slurry 31
d. _____ % Bentonite Bentonite-cement grout 50
e. _____ Ft³ volume added for any of the above
f. How installed: Tremie 01
Tremie pumped 02
Gravity 08
6. Bentonite seal: a. Bentonite granules 33
b. 1/4 in. 3/8 in. 1/2 in. Bentonite chips 32
c. _____ Other
7. Fine sand material: Manufacturer, product name & mesh size
a. Red Flint 45-55
b. Volume added 0.7 ft³
8. Filter pack material: Manufacturer, product name & mesh size
a. Red Flint #90 well slot
b. Volume added _____ ft³
9. Well casing: Flush threaded PVC schedule 40 23
Flush threaded PVC schedule 80 24
Other
10. Screen material: Same
a. Screen type: Factory cut 11
Continuous slot 01
Other
b. Manufacturer EMI
c. Slot size: 0.010 in.
d. Slotted length: _____ ft.
11. Backfill material (below filter pack): None 14
Other

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature: Joe A. Mack Firm: P.S.T.

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

Facility/Project Name <u>Oreola Oil Milltown</u>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <u>MW-2</u>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>	Wis. Unique Well No. <u>VP159</u>	DNR Well ID No.
Facility ID	St. Plane ft. N. ft. E. S/C/N	Date Well Installed <u>0210712018</u> m m d d y y y y	
Type of Well Well Code <u>11, MW</u>	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <u>Joe Black P.S.I.</u>	
Distance from Waste/Source ft.	Enf. Stds. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source n <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

A. Protective pipe, top elevation	ft. MSL	1. Cap and lock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe:	
C. Land surface elevation	ft. MSL	a. Inside diameter:	<u>8</u> in.
D. Surface seal, bottom	ft. MSL or ft.	b. Length:	<u>1</u> ft.
12. USCS classification of soil near screen:		c. Material:	Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/>		d. Additional protection?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/>		If yes, describe:	
Bedrock <input type="checkbox"/>		3. Surface seal:	Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
13. Sieve analysis performed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4. Material between well casing and protective pipe:	Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
14. Drilling method used:	Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	5. Annular space seal:	a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. Ft ³ volume added for any of the above
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		f. How installed:	Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
16. Drilling additives used?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Bentonite seal:	a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
Describe		7. Fine sand material: Manufacturer, product name & mesh size	a. <u>Red Flint 45-55</u>
17. Source of water (attach analysis, if required):		b. Volume added	<u>0.7</u> ft ³
		8. Filter pack material: Manufacturer, product name & mesh size	a. <u>Red Flint #40 well slot</u>
		b. Volume added	<u>39</u> ft ³
E. Bentonite seal, top	ft. MSL or <u>1</u> ft.	9. Well casing:	Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
F. Fine sand, top	ft. MSL or <u>22</u> ft.	10. Screen material:	<u>Same</u>
G. Filter pack, top	ft. MSL or <u>24</u> ft.	a. Screen type:	Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
H. Screen joint, top	ft. MSL or <u>26</u> ft.	b. Manufacturer	<u>EMI</u>
I. Well bottom	ft. MSL or <u>36</u> ft.	c. Slot size:	<u>0.010</u> in.
J. Filter pack, bottom	ft. MSL or <u>36</u> ft.	d. Slotted length:	ft.
K. Borehole, bottom	ft. MSL or <u>36</u> ft.	11. Backfill material (below filter pack):	None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>
L. Borehole, diameter	<u>8</u> in.		
M. O.D. well casing	<u>2.4</u> in.		
N. I.D. well casing	<u>2.1</u> in.		

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

Signature Joe A. Black Firm P.S.I.

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Facility/Project Name <i>Oreola Oil-Milton</i>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <i>MW-3</i>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. <i>45° 31' 10.35"</i> Long. <i>92° 30' 31.13"</i> or	Wis. Unique Well No. <i>VP199</i> DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <i>02/07/2018</i> m m d d y y v v y y
Type of Well Well Code <i>111 MW</i>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N. R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <i>Joe Black P.S.I.</i>
Distance from Waste/Source _____ ft.	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	Gov. Lot Number

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

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

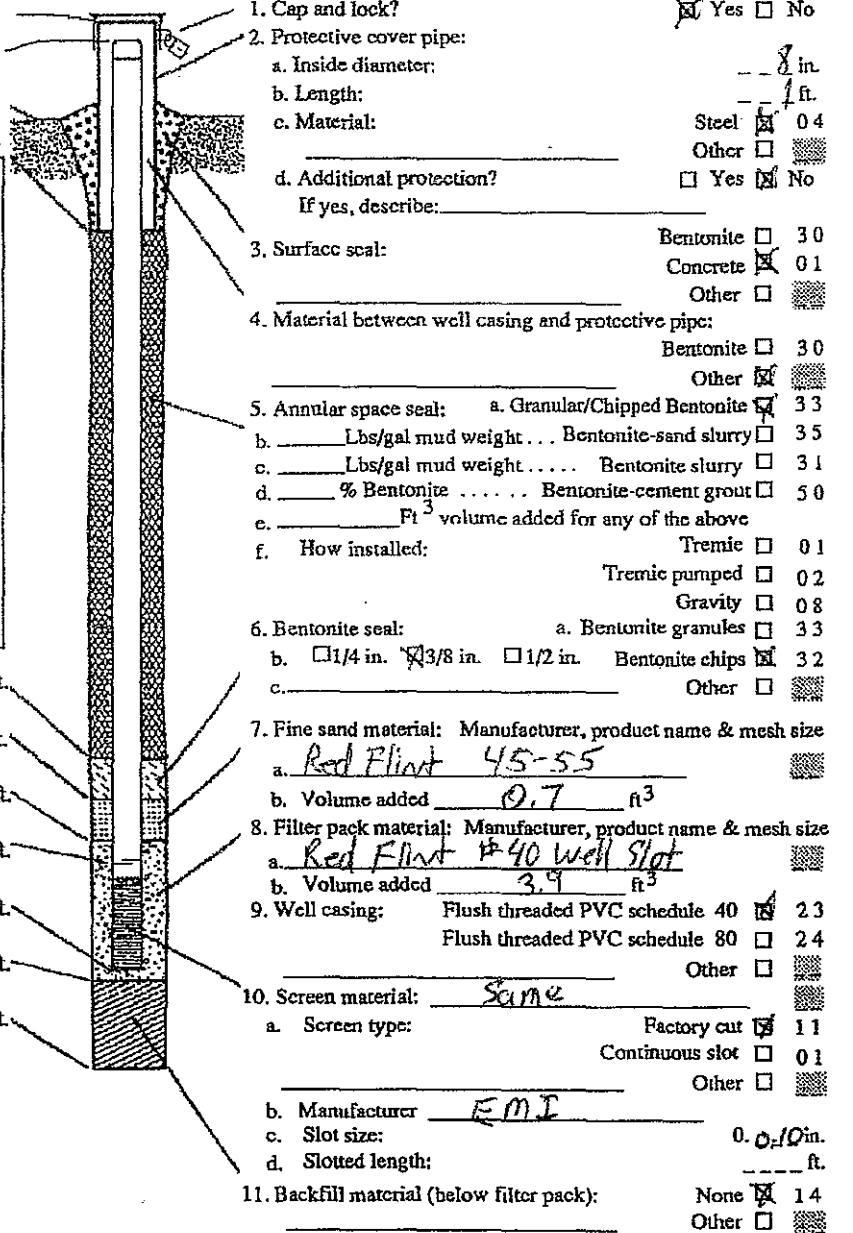
13. Sieve analysis performed? Yes No

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

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

16. Drilling additives used? Yes No
Describe _____

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



- E. Bentonite seal, top _____ ft. MSL or _____ ft.
F. Fine sand, top _____ ft. MSL or _____ 22 ft.
G. Filter pack, top _____ ft. MSL or _____ 24 ft.
H. Screen joint, top _____ ft. MSL or _____ 26 ft.
I. Well bottom _____ ft. MSL or _____ 36 ft.
J. Filter pack, bottom _____ ft. MSL or _____ 36 ft.
K. Borehole, bottom _____ ft. MSL or _____ 36 ft.
L. Borehole, diameter _____ 8 in.
M. O.D. well casing _____ 3.4 in.
N. I.D. well casing _____ 2.1 in.

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

Signature *Joe A. Black* Firm *P.S.I.*

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Facility/Project Name <i>Oreola Oil - Milltown</i>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <i>MW-4</i>
Facility License, Permit or Monitoring No.	Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/>	Wis. Unique Well No. <i>VP198</i>	DNR Well ID No.
Facility ID	Lat. <i>45° 31' 11.35"</i> Long. <i>92° 30' 30.79"</i> or	Date Well Installed <i>0210612018</i> m m d d y y y y	Well Installed By: Name (first, last) and Firm <i>Joe Black P.S.I</i>
Type of Well Well Code <i>111 MW</i>	Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Gov. Lot Number	
Distance from Waste/Source _____ ft.	Enf. Sids. Apply <input type="checkbox"/>	Location of Well Relative to Waste/Source n <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ 3 in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ 1 ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
17. Source of water (attach analysis, if required): Describe _____	6. Bentonite seal: a. Bentonite granules <input checked="" type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	7. Fine sand material: Manufacturer, product name & mesh size a. <i>Red Flint 45-55</i>
F. Fine sand, top _____ ft. MSL or _____ 22 ft.	b. Volume added _____ 0.7 ft ³
G. Filter pack, top _____ ft. MSL or _____ 24 ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <i>Red Flint # 40 well slot</i>
H. Screen joint, top _____ ft. MSL or _____ 26 ft.	b. Volume added _____ 3.9 ft ³
I. Well bottom _____ ft. MSL or _____ 36 ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
J. Filter pack, bottom _____ ft. MSL or _____ 36 ft.	10. Screen material: <i>Same</i>
K. Borehole, bottom _____ ft. MSL or _____ 36 ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter _____ 8 in.	b. Manufacturer <i>EMI</i>
M. O.D. well casing _____ 2.4 in.	c. Slot size: _____ 0.018 in.
N. I.D. well casing _____ 2.1 in.	d. Slotted length: _____ ft.
	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature *Joe A. Black* Firm *P.S.I*

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Facility/Project Name <i>Orvola Oil - Milltown</i>	Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.	Well Name <i>MW 5</i>
Facility License, Permit or Monitoring No.	Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> Lat. <i>45° 31' 10.68"</i> Long. <i>92° 30' 31.25"</i> or	Wis. Unique Well No. <i>VP197</i> DNR Well ID No.
Facility ID	St. Plane _____ ft. N. _____ ft. E. S/C/N	Date Well Installed <i>02/05/2018</i> m m d d y y y y
Type of Well Well Code <i>11 MW</i>	Section Location of Waste/Source 1/4 of _____ 1/4 of Sec. _____ T. _____ N, R. <input type="checkbox"/> E <input type="checkbox"/> W	Well Installed By: Name (first, last) and Firm <i>Joe Black P.S.I.</i>
Distance from Waste/Source _____ ft.	Enf. Stds. Apply <input type="checkbox"/>	Gov. Lot Number
	Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation _____ ft. MSL	1. Cap and lock? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation _____ ft. MSL	2. Protective cover pipe: a. Inside diameter: _____ in.
C. Land surface elevation _____ ft. MSL	b. Length: _____ ft.
D. Surface seal, bottom _____ ft. MSL or _____ ft.	c. Material: Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>	d. Additional protection? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, describe: _____
13. Sieve analysis performed? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	3. Surface seal: Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
14. Drilling method used: Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	4. Material between well casing and protective pipe: Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99	5. Annular space seal: a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. _____ Lbs/gal mud weight . . . Bentonite-sand slurry <input type="checkbox"/> 35 c. _____ Lbs/gal mud weight Bentonite slurry <input type="checkbox"/> 31 d. _____ % Bentonite Bentonite-cement grout <input type="checkbox"/> 50 e. _____ Ft ³ volume added for any of the above
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	f. How installed: Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
Describe _____	6. Bentonite seal: a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. _____ Other <input type="checkbox"/>
17. Source of water (attach analysis, if required): _____	7. Fine sand material: Manufacturer, product name & mesh size a. <i>Red Flint 4.5-55</i>
E. Bentonite seal, top _____ ft. MSL or _____ ft.	b. Volume added <i>0.7</i> ft ³
F. Fine sand, top _____ ft. MSL or <i>23</i> ft.	8. Filter pack material: Manufacturer, product name & mesh size a. <i>Red Flint #40 well slot</i>
G. Filter pack, top _____ ft. MSL or <i>24</i> ft.	b. Volume added <i>3.9</i> ft ³
H. Screen joint, top _____ ft. MSL or <i>26</i> ft.	9. Well casing: Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
I. Well bottom _____ ft. MSL or <i>36</i> ft.	10. Screen material: <i>same</i>
J. Filter pack, bottom _____ ft. MSL or <i>36</i> ft.	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
K. Borehole, bottom _____ ft. MSL or <i>36</i> ft.	b. Manufacturer <i>EMI</i>
L. Borehole, diameter <i>8</i> in.	c. Slot size: <i>0.018</i> in.
M. O.D. well casing <i>3.4</i> in.	d. Slotted length: _____ ft.
N. I.D. well casing <i>2.1</i> in.	11. Backfill material (below filter pack): None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>

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

Signature *Joe Black* Firm *P.S.I.*

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Facility/Project Name <i>Onoda Oil - Milton</i>		Local Grid Location of Well ft. <input type="checkbox"/> N. <input type="checkbox"/> S. <input type="checkbox"/> E. <input type="checkbox"/> W.		Well Name <i>MW-6</i>	
Facility License, Permit or Monitoring No.		Local Grid Origin (estimated: <input type="checkbox"/>) or Well Location <input type="checkbox"/> L.R. <i>45° 31' 9.99" Long. 92° 32' 31.04" or</i>		Wis. Unique Well No. <i>VP196</i> DNR Well ID No.	
Facility ID		St. Plane ft. N. ft. E. S/C/N		Date Well Installed <i>02/05/2018</i> m m d d y y y y	
Type of Well Well Code <i>11, MW</i>		Section Location of Waste/Source 1/4 of 1/4 of Sec. T. N, R. <input type="checkbox"/> E <input type="checkbox"/> W		Well Installed By: Name (first, last) and Firm <i>Joe Black P.S.I.</i>	
Distance from Waste/Source ft.		Eaf. Stds. Apply <input type="checkbox"/>		Location of Well Relative to Waste/Source u <input type="checkbox"/> Upgradient s <input type="checkbox"/> Sidegradient d <input type="checkbox"/> Downgradient n <input type="checkbox"/> Not Known	

A. Protective pipe, top elevation	ft. MSL	1. Cap and lock?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
B. Well casing, top elevation	ft. MSL	2. Protective cover pipe:	
C. Land surface elevation	ft. MSL	a. Inside diameter:	<i>8 in.</i>
D. Surface seal, bottom	ft. MSL or ft.	b. Length:	<i>1 ft.</i>
12. USCS classification of soil near screen: GP <input type="checkbox"/> GM <input type="checkbox"/> GC <input type="checkbox"/> GW <input type="checkbox"/> SW <input type="checkbox"/> SP <input type="checkbox"/> SM <input type="checkbox"/> SC <input type="checkbox"/> ML <input type="checkbox"/> MH <input type="checkbox"/> CL <input type="checkbox"/> CH <input type="checkbox"/> Bedrock <input type="checkbox"/>		c. Material:	Steel <input checked="" type="checkbox"/> 04 Other <input type="checkbox"/>
13. Sieve analysis performed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	d. Additional protection?	<input type="checkbox"/> Yes <input type="checkbox"/> No If yes, describe:
14. Drilling method used:	Rotary <input type="checkbox"/> 50 Hollow Stem Auger <input checked="" type="checkbox"/> 41 Other <input type="checkbox"/>	3. Surface seal:	Bentonite <input type="checkbox"/> 30 Concrete <input checked="" type="checkbox"/> 01 Other <input type="checkbox"/>
15. Drilling fluid used: Water <input type="checkbox"/> 02 Air <input type="checkbox"/> 01 Drilling Mud <input type="checkbox"/> 03 None <input checked="" type="checkbox"/> 99		4. Material between well casing and protective pipe:	Bentonite <input type="checkbox"/> 30 Other <input checked="" type="checkbox"/>
16. Drilling additives used? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		5. Annular space seal:	a. Granular/Chipped Bentonite <input checked="" type="checkbox"/> 33 b. Lbs/gal mud weight... Bentonite-sand slurry <input type="checkbox"/> 35 c. Lbs/gal mud weight... Bentonite slurry <input type="checkbox"/> 31 d. % Bentonite... Bentonite-cement grout <input type="checkbox"/> 50 e. Ft ³ volume added for any of the above
17. Source of water (attach analysis, if required):		f. How installed:	Tremie <input type="checkbox"/> 01 Tremie pumped <input type="checkbox"/> 02 Gravity <input type="checkbox"/> 08
E. Bentonite seal, top	ft. MSL or <i>1 ft.</i>	6. Bentonite seal:	a. Bentonite granules <input type="checkbox"/> 33 b. <input type="checkbox"/> 1/4 in. <input checked="" type="checkbox"/> 3/8 in. <input type="checkbox"/> 1/2 in. Bentonite chips <input checked="" type="checkbox"/> 32 c. Other <input type="checkbox"/>
F. Fine sand, top	ft. MSL or <i>21 ft.</i>	7. Fine sand material: Manufacturer, product name & mesh size	a. <i>Red Flint, 45-55</i>
G. Filter pack, top	ft. MSL or <i>23 ft.</i>	b. Volume added	<i>0.7 ft³</i>
H. Screen joint, top	ft. MSL or <i>25 ft.</i>	8. Filter pack material: Manufacturer, product name & mesh size	a. <i>Red Flint, #40 well slot</i>
I. Well bottom	ft. MSL or <i>35 ft.</i>	b. Volume added	<i>3.9 ft³</i>
J. Filter pack, bottom	ft. MSL or <i>35 ft.</i>	9. Well casing:	Flush threaded PVC schedule 40 <input checked="" type="checkbox"/> 23 Flush threaded PVC schedule 80 <input type="checkbox"/> 24 Other <input type="checkbox"/>
K. Borehole, bottom	ft. MSL or <i>35 ft.</i>	10. Screen material: <i>Same</i>	a. Screen type: Factory cut <input checked="" type="checkbox"/> 11 Continuous slot <input type="checkbox"/> 01 Other <input type="checkbox"/>
L. Borehole, diameter	<i>8 in.</i>	b. Manufacturer	<i>EMI</i>
M. O.D. well casing	<i>3.4 in.</i>	c. Slot size:	<i>0.010 in.</i>
N. I.D. well casing	<i>2.1 in.</i>	d. Slotted length:	ft.
		11. Backfill material (below filter pack):	None <input checked="" type="checkbox"/> 14 Other <input type="checkbox"/>

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

Signature *Joe Black*

Firm *P.S.I.*

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Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Osceola Oil-Milltown	County Name POLK	Well Name MW-1
Facility License, Permit or Monitoring Number	County Code 49	Wis. Unique Well Number VP170
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 35 min.
4. Depth of well (from top of well casing) 36 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6.4 gal.
7. Volume of water removed from well 35 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|---|---|---|
| 11. Depth to Water (from top of well casing) | a. <u>30.2</u> ft. | <u>30.24</u> ft. |
| Date | b. <u>02 / 08 / 2018</u>
m m d d y y y y | <u>07 / 08 / 2018</u>
m m d d y y y y |
| Time | c. <u>01 : 50</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. | <u>02 : 25</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 10
Turbid <input checked="" type="checkbox"/> 15
(Describe) <u>Brown</u> | Clear <input checked="" type="checkbox"/> 20
Turbid <input type="checkbox"/> 25
(Describe) <u>Clear</u> |
| | High Turbidity _____ | Low Turbidity _____ |
| Fill in if drilling fluids were used and well is at solid waste facility: | | |
| 14. Total suspended solids | _____ mg/l | _____ mg/l |
| 15. COD | _____ mg/l | _____ mg/l |
| 16. Well developed by: Name (first, last) and Firm | | |
| First Name: | <u>Eric</u> | Last Name: <u>Dahl</u> |
| Firm: | <u>METCO</u> | |
17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party


First Name: Mike Last Name: Montgomery

Facility/Firm: _____

Street: 945 187th St., P.O. Box 45

City/State/Zip: Dresser WI 54009-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Osceola Oil-Milltown	County Name POLK	Well Name MW-2
Facility License, Permit or Monitoring Number	County Code 49	Wis. Unique Well Number VP159
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	4 1
surged with bailer and pumped	<input checked="" type="checkbox"/>	6 1
surged with block and bailed	<input type="checkbox"/>	4 2
surged with block and pumped	<input type="checkbox"/>	6 2
surged with block, bailed and pumped	<input type="checkbox"/>	7 0
compressed air	<input type="checkbox"/>	2 0
bailed only	<input type="checkbox"/>	1 0
pumped only	<input type="checkbox"/>	5 1
pumped slowly	<input type="checkbox"/>	5 0
Other _____	<input type="checkbox"/>	

3. Time spent developing well 80 min.

4. Depth of well (from top of well casing) 36 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 6.5 gal.

7. Volume of water removed from well 80 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>30.14</u> ft.	<u>30.2</u> ft.
Date	b. <u>02 / 08 / 2018</u>	<u>02 / 08 / 2018</u>
Time	c. <u>09</u> : <u>20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>10</u> : <u>40</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) Brown	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) Clear
	High Turbidity	Low Turbidity
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Eric Last Name: Dahl

Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact /Owner/Responsible Party

First Name: Mike Last Name: Montgomery

Facility/Firm: _____

Street: 945 187th St., P.O. Box 45

City/State/Zip: Dresser WI 54009-

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

Signature: [Signature]

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Osceola Oil-Milltown	County Name POLK	Well Name MW-3
Facility License, Permit or Monitoring Number	County Code 49	Wis. Unique Well Number VP199
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other

3. Time spent developing well 75 min.

4. Depth of well (from top of well casing) 36 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 6.9 gal.

7. Volume of water removed from well 75 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

11. Depth to Water Before Development After Development
(from top of well casing) a. 29.78 ft. 29.82 ft.

Date b. 02 / 07 / 2018 02 / 07 / 2018
m m d d y y y y m m d d y y y y

Time c. 12 : 20 a.m. p.m. 01 : 35 a.m. p.m.

12. Sediment in well bottom _____ inches _____ inches

13. Water clarity Clear 10 Turbid 20
(Describe) Brown Clear
High Turbidity Low Turbidity

Fill in if drilling fluids were used and well is at solid waste facility:

14. Total suspended solids _____ mg/l _____ mg/l

15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Eric Last Name: Dahl
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Montgomery

Facility/Firm: _____

Street: 945 187th St., P.O. Box 45

City/State/Zip: Dresser WI 54009-

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

Signature:

Print Name: Eric Dahl

Firm: METCO

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Osceola Oil-Milltown	County Name POLK	Well Name MW-4
Facility License, Permit or Monitoring Number	County Code 49	Wis. Unique Well Number VP198
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	4 1
surged with bailer and pumped	<input checked="" type="checkbox"/>	6 1
surged with block and bailed	<input type="checkbox"/>	4 2
surged with block and pumped	<input type="checkbox"/>	6 2
surged with block, bailed and pumped	<input type="checkbox"/>	7 0
compressed air	<input type="checkbox"/>	2 0
bailed only	<input type="checkbox"/>	1 0
pumped only	<input type="checkbox"/>	5 1
pumped slowly	<input type="checkbox"/>	5 0
Other _____	<input type="checkbox"/>	

3. Time spent developing well 70 min.

4. Depth of well (from top of well casing) 36 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 8.3 gal.

7. Volume of water removed from well 70 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>28.51</u> ft.	<u>28.55</u> ft.
Date	b. <u>02 / 07 / 2018</u> m m d d y y y y	<u>02 / 06 / 2018</u> m m d d y y y y
Time	c. <u>10 : 25</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.	<u>11 : 35</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) Brown: _____	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) Clear _____
	High Turbidity _____	Low Turbidity _____
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l

16. Well developed by: Name (first, last) and Firm
First Name: Eric Last Name: Dahl
Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact / Owner / Responsible Party

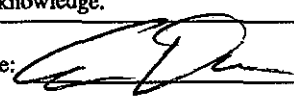
First Name: Mike Last Name: Montgomery

Facility/Firm: _____

Street: 945 187th St., P.O. Box 45

City/State/Zip: Dresser WI 54009-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Osceola Oil-Milltown	County Name POLK	Well Name MW-5
Facility License, Permit or Monitoring Number	County Code 49	Wis. Unique Well Number VP197
		DNR Well ID Number

1. Can this well be purged dry? Yes No
2. Well development method
- surged with bailer and bailed 41
 - surged with bailer and pumped 61
 - surged with block and bailed 42
 - surged with block and pumped 62
 - surged with block, bailed and pumped 70
 - compressed air 20
 - bailed only 10
 - pumped only 51
 - pumped slowly 50
 - Other
3. Time spent developing well 35 min.
4. Depth of well (from top of well casing) 36 ft.
5. Inside diameter of well 2 in.
6. Volume of water in filter pack and well casing 6.3 gal.
7. Volume of water removed from well 35 gal.
8. Volume of water added (if any) _____ gal.
9. Source of water added _____
10. Analysis performed on water added? Yes No
(If yes, attach results)

- | | Before Development | After Development |
|--|--|--|
| 11. Depth to Water (from top of well casing) | a. <u>30.32</u> ft. | <u>30.32</u> ft. |
| Date | b. <u>02 / 06 / 2018</u>
m m d d y y y y | <u>02 / 06 / 2018</u>
m m d d y y y y |
| Time | c. <u>10 : 45</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. | <u>11 : 20</u> <input checked="" type="checkbox"/> a.m. <input type="checkbox"/> p.m. |
| 12. Sediment in well bottom | _____ inches | _____ inches |
| 13. Water clarity | Clear <input type="checkbox"/> 10
Turbid <input checked="" type="checkbox"/> 15
(Describe) Brown | Clear <input checked="" type="checkbox"/> 20
Turbid <input type="checkbox"/> 25
(Describe) Clear |
| | High Turbidity | Low Turbidity |
- Fill in if drilling fluids were used and well is at solid waste facility:
14. Total suspended solids _____ mg/l _____ mg/l
15. COD _____ mg/l _____ mg/l

16. Well developed by: Name (first, last) and Firm

First Name: Eric Last Name: Dahl

Firm: METCO

17. Additional comments on development:

Name and Address of Facility Contact/Owner/Responsible Party

First Name: Mike Last Name: Montgomery

Facility/Firm: _____

Street: 945 187th St., P.O. Box 45

City/State/Zip: Dresser WI 54009

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

Signature:

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

Route to: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Osceola Oil-Milltown	County Name POLK	Well Name MW-6
Facility License, Permit or Monitoring Number	County Code 49	Wis. Unique Well Number VP196
		DNR Well ID Number

1. Can this well be purged dry? Yes No

2. Well development method

surged with bailer and bailed	<input type="checkbox"/>	4 1
surged with bailer and pumped	<input checked="" type="checkbox"/>	6 1
surged with block and bailed	<input type="checkbox"/>	4 2
surged with block and pumped	<input type="checkbox"/>	6 2
surged with block, bailed and pumped	<input type="checkbox"/>	7 0
compressed air	<input type="checkbox"/>	2 0
bailed only	<input type="checkbox"/>	1 0
pumped only	<input type="checkbox"/>	5 1
pumped slowly	<input type="checkbox"/>	5 0
Other _____	<input type="checkbox"/>	

3. Time spent developing well 85 min.

4. Depth of well (from top of well casing) 35 ft.

5. Inside diameter of well 2 in.

6. Volume of water in filter pack and well casing 4.8 gal.

7. Volume of water removed from well 85 gal.

8. Volume of water added (if any) _____ gal.

9. Source of water added _____

10. Analysis performed on water added? Yes No
(If yes, attach results)

	Before Development	After Development
11. Depth to Water (from top of well casing)	a. <u>30.65</u> ft.	<u>30.74</u> ft.
Date	b. <u>02 / 05 / 2018</u> m m d d y y y y	<u>02 / 05 / 2018</u> m m d d y y y y
Time	c. <u>02 : 15</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.	<u>03 : 40</u> <input type="checkbox"/> a.m. <input checked="" type="checkbox"/> p.m.
12. Sediment in well bottom	_____ inches	_____ inches
13. Water clarity	Clear <input type="checkbox"/> 1 0 Turbid <input checked="" type="checkbox"/> 1 5 (Describe) Brown	Clear <input checked="" type="checkbox"/> 2 0 Turbid <input type="checkbox"/> 2 5 (Describe) Clear
	High Turbidity	Low Turbidity
Fill in if drilling fluids were used and well is at solid waste facility:		
14. Total suspended solids	_____ mg/l	_____ mg/l
15. COD	_____ mg/l	_____ mg/l
16. Well developed by: Name (first, last) and Firm		
First Name:	Eric	Last Name: Dahl
Firm:	METCO	

17. Additional comments on development:

Name and Address of Facility Contact / Owner/Responsible Party

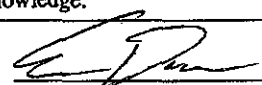
First Name: Mike Last Name: Montgomery

Facility/Firm: _____

Street: 945 187th St., P.O. Box 45

City/State/Zip: Dresser WI 54009-

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

Signature: 

Print Name: Eric Dahl

Firm: METCO

NOTE: See instructions for more information including a list of county codes and well type codes.

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

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number MW-1
Boring Drilled By: Name of crew chief (first, last) and Firm First: Joe Last: Black Firm: P.S.I		Drilling Date Started 02/08/2018 MM/DD/YYYY	Drilling Date Completed 02/08/2018 MM/DD/YYYY	Drilling Method H.S.A
WI Unique Well No. VP170	DNR Well ID No. MW-1	Well Name MW-1	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL Borehole Diameter 8 inches
Local Grid Origin (estimated X) or Boring Location State Plane N, E NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W			Local Grid Location Lat 45° 31' 11" N Long 92° 30' 31" W Feet S Feet W	
Facility ID 649101530	County Polk	County Code 49	Civil Town / City / Village Milltown	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
MW-1-1 3.5 ft	24 24		5	Tan silty sand	SM		See Well Construction Form	2.3		M				No Petro Odor
MW-1-2 8 ft	24 12		10	Gray fine to coarse grained sand with gravel	SP			149		M				Petro Odor
MW-1-3 12 ft	24 12		15	Gray fine to coarse grained sand with gravel	SP			0.8		M				Slight Petro Odor
MW-1-4 16 ft	24 12		20	Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro Odor
MW-1-5 20 ft	24 12		25	Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro Odor
MW-1-6 24 ft	24 18		30	Tan fine to coarse grained sand with gravel	SP			0.3		M				No Petro Odor
MW-1-7 28ft	24 12		35	Tan fine to coarse grained sand with gravel	SP			0.2		M				No Petro Odor
MW-1-8 32 ft	24 24		40	Tan fine to coarse grained sand with gravel	SP			0.5		W				No Petro Odor
MW-1-9 36 ft	24 24		45	Tan fine to coarse grained sand with gravel	SP			1.1		W				No Petro Odor
				EOB @ 36 Feet. Installed MW-1 to 36 feet bgs with a 10 foot screen.										

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

Signature:

Firm: **METCO**

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

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number MW-2
Boring Drilled By: Name of crew chief (first, last) and Firm First: Joe Last: Black Firm: P.S.I		Drilling Date Started 02/07/2018 MM/DD/YYYY	Drilling Date Completed 02/07/2018 MM/DD/YYYY	Drilling Method H.S.A
WI Unique Well No. VP159	DNR Well ID No. MW-2	Well Name MW-2	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Local Grid Location Lat 45° 31' 11" N Long 92° 30' 31" W Feet S Feet W		
Facility ID 649101530	County Polk	County Code 49	Civil Town / City / Village Milltown	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
MW-2-1 3.5 ft	24 12		5	Brown silty sand	SM		See Well Construction Form	0.2		M				No Petro Odor
MW-2-2 8 ft	24 8		10	Tan fine to coarse grained sand with gravel	SP			0		M				No Petro Odor
MW-2-3 12 ft	24 12		15	Tan fine to coarse grained sand with cobbles	SP			0.1		M				No Petro Odor
MW-2-4 16 ft	24 18		20	Tan fine to coarse grained sand with gravel	SP			1.0		M				No Petro Odor
MW-2-5 20 ft	24 18		25	Tan fine to coarse grained sand with gravel	SP			0.7		M				No Petro Odor
MW-2-6 24 ft	24 12		30	Tan fine to coarse grained sand with gravel	SP			0.5		M				No Petro Odor
MW-2-7 28ft	24 12		35	Tan fine to coarse grained sand with gravel	SP			0.8		M				No Petro Odor
MW-2-8 32 ft	24 18		40	Tan fine to coarse grained sand with gravel	SP			0.2		W				No Petro Odor
MW-2-9 36 ft	24 24		45	Tan fine to coarse grained sand with gravel	SP			0.6		W				No Petro Odor
				EOB @ 36 Feet. Installed MW-2 to 36 feet bgs with a 10 foot screen.										

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

Signature:

Firm: **METCO**

Route To: Watershed / Wastewater: Waste Management:
Remediation / Redevelopment: **X** Other:

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Osceola Oil Bulk Plant – Milltown				MW-3
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Joe Last: Black		02/07/2018	02/07/2018	H.S.A
Firm: P.S.I		MM/ DD/ YYYY	MM/ DD/ YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
VP199		MW-3	1190 feet MSL	1220 feet MSL
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		
State Plane N, E		Lat 45° 31' 11" N N E		
NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Long 92° 30' 31" W Feet S Feet W		
Facility ID		County	County Code	Civil Town / City / <u>Village</u>
649101530		Polk	49	Milltown

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties					P 200	RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index		
MW-3-1 3.5 ft	24 12		5	Tan silty sand	SM			0.6		M				No Petro Odor
MW-3-2 8 ft	24 12		10	Tan fine to coarse grained sand with gravel	SP			0.1		M				No Petro Odor
MW-3-3 12 ft	24 12		15	Tan fine to coarse grained sand with gravel	SP			0		M				No Petro Odor
MW-3-4 16 ft	24 12		20	Tan fine to coarse grained sand with gravel	SP			0.1		M				No Petro Odor
MW-3-5 20 ft	24 12		25	Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro Odor
MW-3-6 24 ft	24 18		30	Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro Odor
MW-3-7 28ft	24 18		35	Tan fine to coarse grained sand with gravel	SP			1.0		M				No Petro Odor
MW-3-8 32 ft	24 18		40	Tan fine to coarse grained sand with gravel	SP			1.3		W				No Petro Odor
MW-3-9 36 ft	24 24		45	Tan fine to coarse grained sand with gravel	SP			0.5		W				No Petro Odor
				EOB @ 36 Feet. Installed MW-3 to 36 feet bgs with a 10 foot screen.										

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

Signature:

Firm: **METCO**

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: **X**

Waste Management:
Other:

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number B-4
Boring Drilled By: Name of crew chief (first, last) and Firm First: Joe Last: Black Firm: P.S.I		Drilling Date Started 02/06/2018 MM/DD/YYYY	Drilling Date Completed 02/06/2018 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation 1220 feet MSL Borehole Diameter 2 inches
Local Grid Origin (estimated X) or Boring Location			Local Grid Location	
State Plane N, E		Lat 45° 31' 11" N		N E
NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Long 92° 30' 31" W		Feet S Feet W
Facility ID 649101530		County Polk	County Code 49	Civil Town / City / Village Milltown

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
B-4-1 3.5 ft	24 18		5	Brown silty sand Auger Refusal @ 5.5 ft due to buried debris EOB @ 5.5 ft	SM			0.6		M				No Petro Odor

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

Signature:

Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number	
Osceola Oil Bulk Plant – Milltown				MW-4	
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started		Drilling Date Completed	
First: Joe Last: Black		02/06/2018		02/06/2018	
Firm: P.S.I		MM/DD/YYYY		MM/DD/YYYY	
WI Unique Well No. DNR Well ID No.		Well Name		Final Static Water Level	
VP198		MW-4		1190 feet MSL	
				Surface Elevation	
				1220 feet MSL	
				Borehole Diameter	
				8 inches	
Local Grid Origin (estimated X) or Boring Location				Local Grid Location	
State Plane N, E		Lat 45° 31' 11" N		N E	
NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Long 92° 30' 31" W		Feet S Feet W	
Facility ID		County		County Code	
649101530		Polk		49	
				Civil Town / City / Village	
				Milltown	

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
MW-4-1 6-8 ft	24 0		5	No recovery, cobble in tip of split spoon	—		See Well Construction Form	—						
MW-4-2 12 ft	24 6		10	Concrete and sand	Fill			0.8		Dry				No Petro Odor
MW-4-3 16 ft	24 6		15	Concrete and sand	Fill			0.9		Dry				No Petro Odor
MW-4-4 20 ft	24 6		20	Concrete and sand	Fill			1.3		Dry				No Petro Odor
MW-4-5 24 ft	24 3		25	Tan fine to coarse grained sand with gravel	SP			1.0		Dry				No Petro Odor
MW-4-6 28ft	24 12		30	Tan fine to coarse grained sand with gravel	SP			0.8		M				No Petro Odor
MW-4-7 32 ft	24 12		35	Tan fine to coarse grained sand with gravel	SP			0.9		W				No Petro Odor
MW-4-8 36 ft	24 20		40	Tan fine to coarse grained sand with gravel	SP			1.1		W				No Petro Odor
			45											
			50	EOB @ 36 Feet. Installed MW-4 to 36 feet bgs with a 10 foot screen.										

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

Signature:

Firm: **METCO**

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

Facility / Project Name Osceola Oil Bulk Plant - Milltown		License / Permit / Monitoring Number		Boring Number MW-5
Boring Drilled By: Name of crew chief (first, last) and Firm First: Joe Last: Black Firm: P.S.I		Drilling Date Started 02/05/2018 MM/DD/YYYY	Drilling Date Completed 02/05/2018 MM/DD/YYYY	Drilling Method H.S.A
WI Unique Well No. VP197	DNR Well ID No. MW-5	Well Name MW-5	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Local Grid Location Lat 45° 31' 11" N Long 92° 30' 31" W		Feet S Feet W
Facility ID 649101530	County Polk	County Code 49	Civil Town / City / <u>Village</u> Milltown	

Sample				Soil Properties											
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments	
MW-5-1 3.5 ft	24 24		5	Tan silty sand	SM		See Well Construction Form	0.7		M				No Petro Odor	
MW-5-2 8 ft	24 12		10	Tan fine to coarse grained sand with gravel	SP			0.2		M				No Petro Odor	
MW-5-3 12 ft	24 12		15	Tan fine to coarse grained sand with gravel	SP			0.2		M				No Petro Odor	
MW-5-4 16 ft	24 12		20	Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro Odor	
MW-5-5 20 ft	24 12		25	Tan fine to coarse grained sand with gravel	SP			0		M				No Petro Odor	
MW-5-6 22-24 ft	24 0		25	No recovery	-			-		-					
MW-5-7 28ft	24 18		30	Tan fine to coarse grained sand with gravel	SP			0.2		M				No Petro Odor	
MW-5-8 32 ft	24 24		35	Tan fine to coarse grained sand with gravel	SP			0.3		W				No Petro Odor	
MW-5-9 36 ft	24 18		35	Tan fine to coarse grained sand with gravel	SP			0.6		W				No Petro Odor	
			40	EOB @ 36 Feet. Installed MW-5 to 36 feet bgs with a 10 foot screen.											

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

Signature:

Firm: **METCO**

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

Facility / Project Name		License / Permit / Monitoring Number		Boring Number
Osceola Oil Bulk Plant – Milltown				MW-6
Boring Drilled By: Name of crew chief (first, last) and Firm		Drilling Date Started	Drilling Date Completed	Drilling Method
First: Joe	Last: Black	02/05/2018	02/05/2018	H.S.A
Firm: P.S.I		MM/ DD/ YYYY	MM /DD/ YYYY	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level	Surface Elevation
VP196	MW-6	MW-6	1190 feet MSL	1220 feet MSL
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		Borehole Diameter
State Plane N, E	Lat 45° 31' 11" N	N E		8 inches
NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Long 92° 30' 31" W		Feet S Feet W
Facility ID		County	County Code	Civil Town / City / <u>Village</u>
649101530		Polk	49	Milltown

Number & Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	Soil Properties						RQD / Comments
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
MW-6-1 3.5 ft	24 24		5	Tan very fine to coarse grained silty sand with gravel	SM		See Well Construction Form	0.4		M				No Petro Odor
MW-6-2 8 ft	24 20		10	Tan fine to coarse grained sand with gravel	SP			0.1		M				No Petro Odor
MW-6-3 12 ft	24 18		15	Tan fine to coarse grained sand with gravel	SP			0.3		M				No Petro Odor
MW-6-4 16 ft	24 12		20	Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro Odor
MW-6-5 20 ft	24 12		25	Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro Odor
MW-6-6 24 ft	24 6		30	Tan fine to coarse grained sand with gravel	SP			0.4		M				No Petro Odor
MW-6-7 28ft	24 12		35	Tan fine to coarse grained sand with gravel	SP			0.8		M				No Petro Odor
MW-6-8 32 ft	24 18		40	Tan fine to coarse grained sand with gravel	SP			0.8		W				No Petro Odor
MW-6-9 36 ft	24 24		45	Tan fine to coarse grained sand with gravel	SP			0.9		W				No Petro Odor
				EOB @ 36 Feet. Installed MW-6 to 35 feet bgs with a 10 foot screen.										

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

Signature:


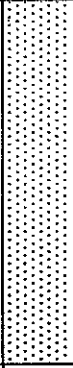

Firm: **METCO**

Route To:

Watershed / Wastewater:
Remediation / Redevelopment: **X**

Waste Management:
Other:

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number G-23
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil and Samples		Drilling Date Started 03/01/2018 MM/ DD/ YYYY	Drilling Date Completed 03/01/2018 MM/ DD/ YYYY	Drilling Method Geoprobe
WI Unique Well No. DNR Well ID No.	Well Name	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL	Borehole Diameter 2 inches
Local Grid Origin (estimated X) or Boring Location		Local Grid Location		
State Plane N, E	Lat 45° 31' 11" N	N E		
NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Long 92° 30' 31" W	Feet S	Feet W
Facility ID 649101530	County Polk	County Code 49	Civil Town / City / Village Milltown	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-23-1 3.5 ft	48		2	Tan sandy silt/clay	CL			5.1		M				No Petro Odor
	48		4	Tan sandy silt/clay (4-5 ft)										
G-23-2 8 ft	48 36		8	Gray fine to coarse grained sand with gravel (5-8 ft)	SP			5000+		M				Petro Odor from 5-8 feet
G-23-3 12 ft	48 42		12	Gray to tan fine to coarse grained sand with gravel and cobbles	SP			5.1		M				Slight Petro Odor
			12	EOB @ 12 Feet. Borehole Abandoned.										

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

Signature: 

Firm: **METCO**

Route To:

Watershed / Wastewater:
Remediation / Redevelopment:

Waste Management:
Other:

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number G-24
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil and Samples		Drilling Date Started 03/01/2018 MM/ DD/ YYYY	Drilling Date Completed 03/01/2018 MM/ DD/ YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL
Local Grid Origin (estimated X) or Boring Location			Borehole Diameter 2 inches	
State Plane N, E		Lat 45° 31' 11" N		Local Grid Location N E
NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Long 92° 30' 31" W		Feet S Feet W
Facility ID 649101530		County Polk	County Code 49	Civil Town / City / Village Milltown

Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	Soil Properties						RQD / Comments	
								PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
G-24-1 3.5 ft	48		2	Gray silt, sand and gravel (0-3 ft)	FI										
	48		4	Gray sandy silt/clay (3-5 ft)	CL			405			M				Petro Odor
G-24-2 8 ft	48		6	Gray fine to coarse grained sand with gravel (5-8 ft)	SP			469			M				Petro Odor
	48	8													
G-24-3 12 ft	48		10	Gray to tan fine to coarse grained sand with gravel and cobbles	SP			34			M				Slight Petro Odor
	42	12													
			12	EOB @ 12 Feet. Borehole Abandoned.											


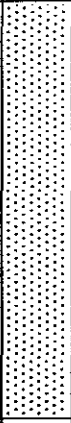

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature:

Firm: **METCO**

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

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number G-25
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil and Samples		Drilling Date Started 03/01/2018 MM/DD/YYYY	Drilling Date Completed 03/01/2018 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL
Local Grid Origin (estimated X) or Boring Location			Borehole Diameter 2 inches	
State Plane NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Lat 45° 31' 11" N Long 92° 30' 31" W	Local Grid Location Feet S Feet W	
Facility ID 649101530	County Polk	County Code 49	Civil Town / City / Village Milltown	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (ft)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-25-1 3.5 ft	48 48		2	Tan fine to coarse grained sand with gravel + concrete	Fill			0.8		M				No Petro Odor
			4											
G-25-2 8 ft	48 24		6	Tan fine to coarse grained sand with gravel	SP			0.6		M				No Petro Odor
			8											
G-25-3 12 ft	48 36		10	Tan fine to coarse grained sand with gravel	SP			0.6		M				No Petro Odor
			12											
			12	EOB @ 12 Feet. Borehole Abandoned.										


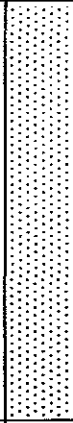

I hereby certify that the information on this form is true and correct to the best of my knowledge

Signature: 

Firm: **METCO**

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

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number G-26
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil and Samples		Drilling Date Started 03/01/2018 MM/DD/YYYY	Drilling Date Completed 03/01/2018 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL
Local Grid Origin (estimated X) or Boring Location			Borehole Diameter 2 inches	
State Plane N, E		Lat 45° 31' 11" N		Local Grid Location N, E
NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Long 92° 30' 31" W		Feet S Feet W
Facility ID 649101530	County Polk	County Code 49	Civil Town / City / Village Milltown	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FD	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-26-1 3.5 ft	48 36		2	Tan fine to coarse grained sand with gravel + brick	Fill			0.5		M				No Petro Odor
			4											
G-26-2 8 ft	48 24		6	Tan fine to coarse grained sand with gravel	SP			0.5		M				No Petro Odor
			8											
G-26-3 12 ft	48 30		10	Tan fine to coarse grained sand with gravel	SP			0.5		M				No Petro Odor
			12											
			12	EOB @ 12 Feet. Borehole Abandoned.										
			14											
			16											
			18											
			20											




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

Signature: 

Firm: **METCO**

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

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number G-27
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil and Samples		Drilling Date Started 03/01/2018 MM/DD/YYYY	Drilling Date Completed 03/01/2018 MM/DD/YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL
Local Grid Origin (estimated X) or Boring Location State Plane N, E NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Local Grid Location Lat 45° 31' 11" N Long 92° 30' 31" W		Borehole Diameter 2 inches
Facility ID 649101530	County Polk	County Code 49	Civil Town / City / Village Milltown	

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	RQD / Comments
G-27-1 3.5 ft	48 30		2 4	Tan fine to coarse grained sand with gravel, concrete + brick	Fill			0.4		M				No Petro Odor
G-27-2 8 ft	48 36		8 10	Tan fine to coarse grained sand with gravel	Fill			0.4		M				No Petro Odor
G-27-3 12 ft	48 30		12 14 16 18 20	Tan fine to coarse grained sand with gravel, concrete + brick EOB @ 12 Feet. Borehole Abandoned.	Fill			0.4		M				No Petro Odor

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

Signature: 

Firm: **METCO**

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

Facility / Project Name Osceola Oil Bulk Plant – Milltown		License / Permit / Monitoring Number		Boring Number G-28
Boring Drilled By: Name of crew chief (first, last) and Firm First: Darrin Last: Prentice Firm: Geiss Soil and Samples		Drilling Date Started 03/01/2018 MM/ DD/ YYYY	Drilling Date Completed 03/01/2018 MM/ DD/ YYYY	Drilling Method Geoprobe
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level 1190 feet MSL	Surface Elevation 1220 feet MSL
Local Grid Origin (estimated X) or Boring Location		Borehole Diameter 2 inches		
State Plane N, E		Lat 45° 31' 11" N		Local Grid Location N E
NW ¼ of SW ¼ of Section 17, T 35 N, R 17 W		Long 92° 30' 31" W		Feet S Feet W
Facility ID 649101530		County Polk	County Code 49	Civil Town / City / Village Milltown

Sample				Soil Properties										
Number & Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil / Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID / FID	Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P-200	RQD / Comments
G-28-1 3.5 ft	48		2	Tan fine to coarse grained sand with gravel + brick	FILL	X		0.4		M				No Petro Odor
	42		4											
G-28-2 8 ft	48		8	Tan fine to coarse grained sand with gravel + brick	FILL	X		0.3		M				No Petro Odor
	42		10											
G-28-3 12 ft	48		12	Tan fine to coarse grained sand with gravel + concrete	FILL	X		0.3		M				No Petro Odor
	36		14	EOB @ 12 Feet. Borehole Abandoned.										

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

Signature:

Firm: **METCO**

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information			2. Facility / Owner Information		
County POLK	WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name Osceola Oil B.P. - Milltown		
Latitude / Longitude (Degrees and Minutes) 45 ° 31.19 ' N		Method Code (see instructions) _____	Facility ID (FID or PWS) _____		
92 ° 30.52 ' W		_____	License/Permit/Monitoring # _____		
¼ ¼ NW or Gov't Lot #	¼ SW	Section 17	Township 35 N	Range 17	Original Well Owner Mike Montgomery
Well Street Address 413 2nd Avenue SW		Well ZIP Code 54858-		Present Well Owner Mike Montgomery	
Well City, Village or Town Milltown		Well ZIP Code 54858-		Mailing Address of Present Owner 945 187th St., P.O. Box 45	
Subdivision Name _____		Lot # _____		City of Present Owner Dresser	State WI
Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well _____		ZIP Code 54009-	

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 3/1/2018	Pump and piping removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach. _____	Liner(s) removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Borehole / Drillhole		Screen removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Construction Type:		Casing left in place?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input type="checkbox"/> Drilled	<input type="checkbox"/> Driven (Sandpoint)	Was casing cut off below surface?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<input checked="" type="checkbox"/> Other (specify): Geoprobe	<input type="checkbox"/> Dug	Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Formation Type:		Did material settle after 24 hours?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<input checked="" type="checkbox"/> Unconsolidated Formation	<input type="checkbox"/> Bedrock	If yes, was hole retopped?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Total Well Depth From Ground Surface (ft.) 12	Casing Diameter (in.) _____	If bentonite chips were used, were they hydrated with water from a known safe source?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	Required Method of Placing Sealing Material			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) _____	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
If yes, to what depth (feet)? _____	_____	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): gravity			

5. Material Used To Fill Well / Drillhole		From (ft.)	To (ft.)	Pounds
Bentonite Chips		Surface	12	18

6. Comments
G-23
Abandoned by Geiss Soil and Samples LLC under METCO's supervision.

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl/METCO	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 3/1/2018	Date Received _____	Noted By _____
Street or Route 709 Gillette Street		Telephone Number (608) 781-8879	Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 3/19/18

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County POLK		WI Unique Well # of Removed Well		Facility Name Osceola Oil B.P. - Milltown		Facility ID (FID or PWS)	
Latitude / Longitude (Degrees and Minutes) 45 ° 31.19 ' N		Method Code (see instructions)		License/Permit/Monitoring #		Original Well Owner Mike Montgomery	
92 ° 30.52 ' W				Present Well Owner Mike Montgomery		Mailing Address of Present Owner 945 187th St., P.O. Box 45	
¼ 1/4 NW or Gov't Lot #		Section 17		Township 35 N		Range 17	
						City of Present Owner Dresser	
Well Street Address 413 2nd Avenue SW		Well ZIP Code 54858-		State WI		ZIP Code 54009-	
Well City, Village or Town Milltown		Lot #		Dresser		54009-	

Reason For Removal From Service Sampling Complete		WI Unique Well # of Replacement Well		4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Original Construction Date (mm/dd/yyyy) 3/1/2018		Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well		If a Well Construction Report is available, please attach.		Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well				Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole				Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type:				Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Drilled				Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input type="checkbox"/> Driven (Sandpoint)				Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Other (specify): Geoprobe				If yes, was hole relapped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Formation Type:				If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Unconsolidated Formation		<input type="checkbox"/> Bedrock		Required Method of Placing Sealing Material			
Total Well Depth From Ground Surface (ft.) 12		Casing Diameter (in.)		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped			
Lower Drillhole Diameter (in.) 2		Casing Depth (ft.)		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): gravity			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown				Sealing Materials			
If yes, to what depth (feet)?		Depth to Water (feet)		<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)			
				<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "			
				<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips			
				For Monitoring Wells and Monitoring Well Boreholes Only:			
				<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout			
				<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Pounds
Bentonite Chips	Surface	12	18

6. Comments
G-24
Abandoned by Geiss Soil and Samples LLC under METCO's supervision.

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl/METCO		License #	Date of Filling & Sealing (mm/dd/yyyy) 3/1/2018	Date Received	Noted By
Street or Route 709 Gillette Street		Telephone Number (608) 781-8879		Comments	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 3/19/18	

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County POLK		WI Unique Well # of Removed Well _____	Hicap # _____	Facility Name Osceola Oil B.P. - Milltown			
Latitude / Longitude (Degrees and Minutes) 45 ° 31.19 ' N 92 ° 30.52 ' W		Method Code (see instructions) _____		Facility ID (FID or PWS) _____			
License/Permit/Monitoring # _____		Original Well Owner Mike Montgomery		Present Well Owner Mike Montgomery			
1/4 NW	1/4 SW	Section 17	Township 35 N	Range 17	<input type="checkbox"/> E <input checked="" type="checkbox"/> W		Mailing Address of Present Owner 945 187th St., P.O. Box 45
Well Street Address 413 2nd Avenue SW				City of Present Owner Dresser			
Well City, Village or Town Milltown				State WI			
Subdivision Name _____				ZIP Code 54009-			

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well _____	Pump and piping removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 3/1/2018	Liner(s) removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach. _____	Screen removed? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing left in place? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Geoprobe		Was casing cut off below surface? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did sealing material rise to surface? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Total Well Depth From Ground Surface (ft.) 12	Casing Diameter (in.) _____	Did material settle after 24 hours? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A			
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.) _____	If yes, was hole retopped? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A			
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	Depth to Water (feet) _____	If bentonite chips were used, were they hydrated with water from a known safe source? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			

5. Material Used To Fill Well / Drillhole		Required Method of Placing Sealing Material	
Bentonite Chips	From (ft.) Surface	To (ft.) 12	Pounds 18
Sealing Materials: <input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.) <input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " " <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips		Required Method of Placing Sealing Material: <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): gravity	
For Monitoring Wells and Monitoring Well Boreholes Only: <input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout <input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry			

6. Comments
G-25
Abandoned by Geiss Soil and Samples LLC under METCO's supervision.

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl/METCO	License # _____	Date of Filling & Sealing (mm/dd/yyyy) 3/1/2018	Date Received _____	Noted By _____
Street or Route 709 Gillette Street		Telephone Number (608) 781-8879	Comments _____	
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 3/19/18

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County POLK		WI Unique Well # of Removed Well	Hicap #	Facility Name Osceola Oil B.P. - Milltown			
Latitude / Longitude (Degrees and Minutes) 45 ° 31.19 ' N 92 ° 30.52 ' W		Method Code (see instructions)		Facility ID (FID or PWS)			
License/Permit/Monitoring #		Original Well Owner Mike Montgomery		Present Well Owner Mike Montgomery			
1/4 NW	1/4 SW	Section 17	Township 35 N	Range 17	<input type="checkbox"/> E <input checked="" type="checkbox"/> W		
Well Street Address 413 2nd Avenue SW				Mailing Address of Present Owner 945 187th St., P.O. Box 45			
Well City, Village or Town Milltown				Well ZIP Code 54858-			
Subdivision Name				City of Present Owner Dresser		State WI	ZIP Code 54009-

Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well	4. Pump, Liner, Screen, Casing & Sealing Material			
3. Well / Drillhole / Borehole Information		Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Original Construction Date (mm/dd/yyyy) 3/1/2018		Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If a Well Construction Report is available, please attach.		Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well		Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well		Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Construction Type:		Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
<input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Other (specify): Geoprobe		If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A

Formation Type:	Required Method of Placing Sealing Material	
<input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock	<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped	
Total Well Depth From Ground Surface (ft.) 12	<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): gravity	
Casing Diameter (in.)	Sealing Materials	
Lower Drillhole Diameter (in.) 2	<input type="checkbox"/> Neat Cement Grout <input type="checkbox"/> Clay-Sand Slurry (11 lb./gal. wt.)	
Casing Depth (ft.)	<input type="checkbox"/> Sand-Cement (Concrete) Grout <input type="checkbox"/> Bentonite-Sand Slurry " "	
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	<input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Bentonite Chips	
If yes, to what depth (feet)?	For Monitoring Wells and Monitoring Well Boreholes Only:	
Depth to Water (feet)	<input type="checkbox"/> Bentonite Chips <input type="checkbox"/> Bentonite - Cement Grout	
	<input type="checkbox"/> Granular Bentonite <input type="checkbox"/> Bentonite - Sand Slurry	

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Pounds
Bentonite Chips	Surface	12	18

6. Comments
G-26
Abandoned by Geiss Soil and Samples LLC under METCO's supervision.

7. Supervision of Work			DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl/METCO	License #	Date of Filling & Sealing (mm/dd/yyyy) 3/1/2018	Date Received	Noted By
Street or Route 709 Gillette Street	Telephone Number (608) 781-8879	Comments		
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 3/19/18

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other _____

1. Well Location Information				2. Facility / Owner Information			
County POLK	WI Unique Well # of Removed Well	Hicap #		Facility Name Osceola Oil B.P. - Milltown			
Latitude / Longitude (Degrees and Minutes)		Method Code (see instructions)		Facility ID (FID or PWS)			
45 ° 31.19 ' N				License/Permit/Monitoring #			
92 ° 30.52 ' W				Original Well Owner Mike Montgomery			
1/4 NW	1/4 SW	Section	Township	Range	Present Well Owner Mike Montgomery		
		17	35 N	17	Mailing Address of Present Owner 945 187th St., P.O. Box 45		
Well Street Address 413 2nd Avenue SW		Well ZIP Code 54858-		City of Present Owner Dresser			
Well City, Village or Town Milltown		Well ZIP Code 54858-		State WI	ZIP Code 54009-		
Subdivision Name		Lot #		City of Present Owner Dresser			

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material				
Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well	Pump and piping removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Original Construction Date (mm/dd/yyyy) 3/1/2018		Liner(s) removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
If a Well Construction Report is available, please attach.		Screen removed?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug		Casing left in place?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Was casing cut off below surface?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did sealing material rise to surface?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 12		Did material settle after 24 hours?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2		If yes, was hole retopped?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was well annular space grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown		If bentonite chips were used, were they hydrated with water from a known safe source?		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, to what depth (feet)?		Required Method of Placing Sealing Material				
Depth to Water (feet)		<input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped				
		<input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): <u>gravity</u>				

5. Material Used To Fill Well / Drillhole		From (ft.)	To (ft.)	Pounds
Bentonite Chips		Surface	12	18

6. Comments
G-27
Abandoned by Geiss Soil and Samples LLC under METCO's supervision.

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl/METCO	License #	Date of Filling & Sealing (mm/dd/yyyy) 3/1/2018	Date Received	Noted By	
Street or Route 709 Gillette Street		Telephone Number (608) 781-8879	Comments		
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 		Date Signed 3/19/18

Notice: Completion of this report is required by chs. 160, 281, 283, 289, 291-293, 295, and 299, Wis. Stats., and ch. NR 141, Wis. Adm. Code. In accordance with chs. 281, 289, 291-293, 295, and 299, Wis. Stats., failure to file this form may result in a forfeiture of between \$10-25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. Return form to the appropriate DNR office and bureau. See instructions on reverse for more information.

Verification Only of Fill and Seal

Route to:
 Drinking Water Watershed/Wastewater Remediation/Redevelopment
 Waste Management Other: _____

1. Well Location Information				2. Facility / Owner Information			
County POLK	WI Unique Well # of Removed Well	Hicap #	Facility Name Osceola Oil B.P. - Milltown	Facility ID (FID or PWS)	License/Permit/Monitoring #	Original Well Owner Mike Montgomery	Present Well Owner Mike Montgomery
Latitude / Longitude (Degrees and Minutes) 45 ° 31.19 ' N 92 ° 30.52 ' W		Method Code (see instructions)		Mailing Address of Present Owner 945 187th St., P.O. Box 45		City of Present Owner Dresser	
1/4 NW or Gov't Lot #	1/4 SW	Section 17	Township 35 N	Range 17	<input type="checkbox"/> E <input checked="" type="checkbox"/> W	State WI	ZIP Code 54009-
Well Street Address 413 2nd Avenue SW				Well ZIP Code 54858-			
Well City, Village or Town Milltown				Lot #			
Subdivision Name				City of Present Owner Dresser			

3. Well / Drillhole / Borehole Information		4. Pump, Liner, Screen, Casing & Sealing Material			
Reason For Removal From Service Sampling Complete	WI Unique Well # of Replacement Well	Pump and piping removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Monitoring Well	Original Construction Date (mm/dd/yyyy) 3/1/2018	Liner(s) removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input type="checkbox"/> Water Well	If a Well Construction Report is available, please attach.	Screen removed?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
<input checked="" type="checkbox"/> Borehole / Drillhole		Casing left in place?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Construction Type: <input type="checkbox"/> Drilled <input type="checkbox"/> Driven (Sandpoint) <input type="checkbox"/> Dug <input checked="" type="checkbox"/> Other (specify): Geoprobe		Was casing cut off below surface?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Formation Type: <input checked="" type="checkbox"/> Unconsolidated Formation <input type="checkbox"/> Bedrock		Did sealing material rise to surface?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
Total Well Depth From Ground Surface (ft.) 12	Casing Diameter (in.)	Did material settle after 24 hours?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A
Lower Drillhole Diameter (in.) 2	Casing Depth (ft.)	If yes, was hole retopped?	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A
Was well annular space grouted?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown	If bentonite chips were used, were they hydrated with water from a known safe source?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A
If yes, to what depth (feet)?	Depth to Water (feet)	Required Method of Placing Sealing Material <input type="checkbox"/> Conductor Pipe-Gravity <input type="checkbox"/> Conductor Pipe-Pumped <input type="checkbox"/> Screened & Poured (Bentonite Chips) <input checked="" type="checkbox"/> Other (Explain): gravity			

5. Material Used To Fill Well / Drillhole	From (ft.)	To (ft.)	Pounds
Bentonite Chips	Surface	12	18

6. Comments
G-28
Abandoned by Geiss Soil and Samples LLC under METCO's supervision.

7. Supervision of Work				DNR Use Only	
Name of Person or Firm Doing Filling & Sealing Eric Dahl/METCO	License #	Date of Filling & Sealing (mm/dd/yyyy) 3/1/2018	Date Received	Noted By	
Street or Route 709 Gillette Street		Telephone Number (608) 781-8879	Comments		
City La Crosse	State WI	ZIP Code 54603-	Signature of Person Doing Work 	Date Signed 3/19/18	

Synergy Environmental Lab,

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

MIKE MONTGOMERY
MIKE MONTGOMERY
9845 187TH STREET
DRESSER, WI 54009

Report Date 27-Feb-18

Project Name OSCEOLA OIL-MILLTOWN
Project #

Invoice # E34214

Lab Code 5034214A
Sample ID METH BLANK
Sample Matrix Soil
Sample Date 2/7/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		2/14/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		2/14/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		2/14/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		2/14/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		2/14/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		2/14/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		2/14/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		2/14/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		2/14/2018	CJR	1

Project Name OSCEOLA OIL-MILLTOWN
 Project #

Invoice # E34214

Lab Code 5034214B
 Sample ID MW-3-1
 Sample Matrix Soil
 Sample Date 2/7/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	87.3	%			1	5021		2/12/2018	NJC	1
Inorganic										
Metals										
Lead, Total	8.84	mg/Kg	0.85	2.9	5	6010B		2/15/2018	CWT	149
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	2/12/2018	2/13/2018	NJC	1
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	2/12/2018	2/13/2018	NJC	1
Anthracene	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	2/12/2018	2/13/2018	NJC	1
Benzo(a)anthracene	< 0.013	mg/kg	0.013	0.043	1	M8270C	2/12/2018	2/13/2018	NJC	1
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	2/12/2018	2/13/2018	NJC	1
Benzo(b)fluoranthene	< 0.013	mg/kg	0.013	0.041	1	M8270C	2/12/2018	2/13/2018	NJC	1
Benzo(g,h,i)perylene	< 0.0114	mg/kg	0.0114	0.036	1	M8270C	2/12/2018	2/13/2018	NJC	1
Benzo(k)fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	2/12/2018	2/13/2018	NJC	1
Chrysene	< 0.0121	mg/kg	0.0121	0.0383	1	M8270C	2/12/2018	2/13/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	2/12/2018	2/13/2018	NJC	1
Fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	2/12/2018	2/13/2018	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	2/12/2018	2/13/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0114	mg/kg	0.0114	0.0362	1	M8270C	2/12/2018	2/13/2018	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	2/12/2018	2/13/2018	NJC	1
2-Methyl naphthalene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	2/12/2018	2/13/2018	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	2/12/2018	2/13/2018	NJC	1
Phenanthrene	< 0.0111	mg/kg	0.0111	0.0352	1	M8270C	2/12/2018	2/13/2018	NJC	1
Pyrene	< 0.0153	mg/kg	0.0153	0.0487	1	M8270C	2/12/2018	2/13/2018	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		2/14/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		2/14/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		2/14/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		2/14/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		2/14/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		2/14/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		2/14/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		2/14/2018	CJR	1

Project Name OSCEOLA OIL-MILLTOWN
 Project #

Invoice # E34214

Lab Code 5034214C
 Sample ID MW-3-2
 Sample Matrix Soil
 Sample Date 2/7/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.7	%			1	5021		2/12/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		2/15/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		2/15/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		2/15/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		2/15/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		2/15/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		2/15/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		2/15/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		2/15/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		2/15/2018	CJR	1

Lab Code 5034214D
 Sample ID MW-3-3
 Sample Matrix Soil
 Sample Date 2/7/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.0	%			1	5021		2/12/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		2/15/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		2/15/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		2/15/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		2/15/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		2/15/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		2/15/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		2/15/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		2/15/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		2/15/2018	CJR	1

Project Name OSCEOLA OIL-MILLTOWN
 Project #

Invoice # E34214

Lab Code 5034214E
 Sample ID DRUM COMP
 Sample Matrix Soil
 Sample Date 2/7/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.5	%			1	5021		2/12/2018	NJC	1
Inorganic										
Metals										
TCLP Lead	< 0.1	mg/l		0.1	1	6010B		2/23/2018	ESC	1
Organic										
General										
Diesel Range Organics	70.3	mg/kg	1.3	4.14	1	DRO95		2/21/2018	NJC	1
Gasoline Range Organics	33	mg/kg	1.65	5.26	1	GRO95/8021		2/15/2018	CJR	1
TCLP										
TCLP Benzene	< 0.05	mg/l	0.05		1	8260B		2/22/2018	ESC	1

"J" Flag: Analyte detected between LOD and LOQ LOD Limit of Detection LOQ Limit of Quantitation

Code Comment

- 1 Laboratory QC within limits.
- 49 Sample diluted to compensate for matrix interference.
- CWT denotes sub contract lab - Certification #445126660
- ESC denotes sub contract lab - Certification #998093910

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

Authorized Signature

Michael Ricker

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # No **3052**

Page **1** of **1**

Account No.:	Quote No.:
Project #:	
Sampler (signature):	

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

Sample Handling Request
Rush Analysis Date Required _____ (Rushes accepted only with prior authorization)
<input checked="" type="checkbox"/> Normal Turn Around

Project (Name / Location): Oscoda Oil - Milltown	
Reports To: Mike Montgomery	Invoice To: Mike Montgomery
Company:	Company: C/O METCO
Address: 945 187th St P.O. Box 45	Address: 709 Gillette St, Ste 3
City State Zip: Dresser, WI 54009	City State Zip: La Crosse, WI 54603
Phone: (715) 501-8349	Phone: (608) 781-8879
FAX:	FAX:

Analysis Requested											Other Analysis					
DRO (Mod DRO Sep 95)	GRD (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-RCRA METALS	TCLP-Lead	TCLP-Bed Zone	PID/ FID

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
	Matn Blank	2/7					1		MEQU
	MW-3-1		8:55		X		4	S	↓ None
	MW-3-2		9:05		X		2		
	MW-3-3		9:15		X		2		
	Dunn Comp	2/8	11:15	X			7		

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

Lab to send copy of report to METCO
Use Rates
Agent Status

Sample Integrity: (See completed below at lab)	Relinquished By: (sign)	Time: 9:45 AM	Date: 2/9/18	Received By: (sign)	Time	Date
	Received in Laboratory By:					
Time: 10:00						Date: 2/10/18

Synergy Environmental Lab,

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

MIKE MONTGOMERY C/O METCO
 METCO
 709 GILLETTE ST
 LA CROSSE, WI 54603-2382

Report Date 15-Mar-18

Project Name OSCEOLA OIL
 Project #

Invoice # E34301

Lab Code 5034301A
 Sample ID G-23-1
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.8	%			1	5021		3/5/2018	NJC	1
Inorganic										
Metals										
Lead, Total	8.09	mg/Kg	0.17	0.58	1	6010B		3/7/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	3/9/2018	3/13/2018	NJC	1
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	3/9/2018	3/13/2018	NJC	1
Anthracene	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(a)anthracene	< 0.013	mg/kg	0.013	0.043	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(b)fluoranthene	< 0.013	mg/kg	0.013	0.041	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(g,h,i)perylene	< 0.0114	mg/kg	0.0114	0.036	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(k)fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	3/9/2018	3/13/2018	NJC	1
Chrysene	< 0.0121	mg/kg	0.0121	0.0383	1	M8270C	3/9/2018	3/13/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	3/9/2018	3/13/2018	NJC	1
Fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	3/9/2018	3/13/2018	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	3/9/2018	3/13/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0114	mg/kg	0.0114	0.0362	1	M8270C	3/9/2018	3/13/2018	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	3/9/2018	3/13/2018	NJC	1
2-Methyl naphthalene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	3/9/2018	3/13/2018	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	3/9/2018	3/13/2018	NJC	1
Phenanthrene	< 0.0111	mg/kg	0.0111	0.0352	1	M8270C	3/9/2018	3/13/2018	NJC	1
Pyrene	< 0.0153	mg/kg	0.0153	0.0487	1	M8270C	3/9/2018	3/13/2018	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/8/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/8/2018	CJR	1

Project Name OSCEOLA OIL
Project #

Invoice # E34301

Lab Code 5034301A
Sample ID G-23-1
Sample Matrix Soil
Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/8/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/8/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/8/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/8/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/8/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/8/2018	CJR	1

Lab Code 5034301B
Sample ID G-23-2
Sample Matrix Soil
Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.4	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 1.475	mg/kg	0.5605	1.77	59	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	5.8	mg/kg	0.944	2.95	59	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.475	mg/kg	0.649	2.006	59	GRO95/8021		3/9/2018	CJR	1
Naphthalene	54	mg/kg	1.298	4.13	59	GRO95/8021		3/9/2018	CJR	1
Toluene	5.4	mg/kg	0.767	2.419	59	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	67	mg/kg	1.121	3.54	59	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	9.9	mg/kg	0.5664	1.829	59	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	12	mg/kg	0.767	2.478	59	GRO95/8021		3/9/2018	CJR	1
o-Xylene	7.0	mg/kg	0.3658	1.18	59	GRO95/8021		3/9/2018	CJR	1

Lab Code 5034301C
Sample ID G-23-3
Sample Matrix Soil
Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	94.9	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/8/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/8/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/8/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/8/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/8/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/8/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/8/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/8/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/8/2018	CJR	1

Project

Lab Code 5034301D

Sample ID G-24-1

Sample Matrix Soil

Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.1	%			1	5021		3/5/2018	NJC	1
Inorganic										
Metals										
Lead, Total	36.9	mg/Kg	0.17	0.58	1	6010B		3/7/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	3.06	mg/kg	0.302	0.962	20	M8270C	3/9/2018	3/14/2018	NJC	1
Acenaphthylene	1.56	mg/kg	0.318	1.016	20	M8270C	3/9/2018	3/14/2018	NJC	1
Anthracene	2.62	mg/kg	0.218	0.69	20	M8270C	3/9/2018	3/14/2018	NJC	1
Benzo(a)anthracene	< 0.26	mg/kg	0.26	0.86	20	M8270C	3/9/2018	3/14/2018	NJC	1
Benzo(a)pyrene	< 0.226	mg/kg	0.226	0.718	20	M8270C	3/9/2018	3/14/2018	NJC	1
Benzo(b)fluoranthene	< 0.26	mg/kg	0.26	0.82	20	M8270C	3/9/2018	3/14/2018	NJC	1
Benzo(g,h,i)perylene	< 0.228	mg/kg	0.228	0.72	20	M8270C	3/9/2018	3/14/2018	NJC	1
Benzo(k)fluoranthene	< 0.294	mg/kg	0.294	0.938	20	M8270C	3/9/2018	3/14/2018	NJC	1
Chrysene	0.261 "J"	mg/kg	0.242	0.766	20	M8270C	3/9/2018	3/14/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.156	mg/kg	0.156	0.502	20	M8270C	3/9/2018	3/14/2018	NJC	1
Fluoranthene	0.43 "J"	mg/kg	0.294	0.938	20	M8270C	3/9/2018	3/14/2018	NJC	1
Fluorene	8.40	mg/kg	0.358	1.14	20	M8270C	3/9/2018	3/14/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.228	mg/kg	0.228	0.724	20	M8270C	3/9/2018	3/14/2018	NJC	1
1-Methyl naphthalene	94.0	mg/kg	0.406	1.29	20	M8270C	3/9/2018	3/14/2018	NJC	1
2-Methyl naphthalene	129	mg/kg	0.226	0.716	20	M8270C	3/9/2018	3/14/2018	NJC	1
Naphthalene	46.0	mg/kg	0.306	0.972	20	M8270C	3/9/2018	3/14/2018	NJC	1
Phenanthrene	14.9	mg/kg	0.222	0.704	20	M8270C	3/9/2018	3/14/2018	NJC	1
Pyrene	0.89 "J"	mg/kg	0.306	0.974	20	M8270C	3/9/2018	3/14/2018	NJC	1
PVOC										
Benzene	14.1	mg/kg	0.95		3	100 GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	43	mg/kg	1.6		5	100 GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 2.5	mg/kg	1.1		3.4	100 GRO95/8021		3/9/2018	CJR	1
Toluene	14.6	mg/kg	1.3		4.1	100 GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	172	mg/kg	1.9		6	100 GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	59	mg/kg	0.96		3.1	100 GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	151	mg/kg	1.3		4.2	100 GRO95/8021		3/9/2018	CJR	1
o-Xylene	62	mg/kg	0.62		2	100 GRO95/8021		3/9/2018	CJR	1

Project #

Lab Code 5034301E
 Sample ID G-24-2
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	91.6	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	1.56 "J"	mg/kg	0.5605	1.77	59	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	12.7	mg/kg	0.944	2.95	59	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 1.475	mg/kg	0.649	2.006	59	GRO95/8021		3/9/2018	CJR	1
Naphthalene	42	mg/kg	1.298	4.13	59	GRO95/8021		3/9/2018	CJR	1
Toluene	4.4	mg/kg	0.767	2.419	59	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	59	mg/kg	1.121	3.54	59	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	3.5	mg/kg	0.5664	1.829	59	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	14.7	mg/kg	0.767	2.478	59	GRO95/8021		3/9/2018	CJR	1
o-Xylene	16.7	mg/kg	0.3658	1.18	59	GRO95/8021		3/9/2018	CJR	1

Lab Code 5034301F
 Sample ID G-24-3
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	94.2	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/9/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/9/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/9/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/9/2018	CJR	1

Project

Lab Code 5034301G

Sample ID G-25-1

Sample Matrix Soil

Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	96.9	%			1	5021		3/5/2018	NJC	1
Inorganic										
Metals										
Lead, Total	34.3	mg/Kg	0.17	0.58	1	6010B		3/7/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	3/9/2018	3/13/2018	NJC	1
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	3/9/2018	3/13/2018	NJC	1
Anthracene	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(a)anthracene	< 0.013	mg/kg	0.013	0.043	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(b)fluoranthene	< 0.013	mg/kg	0.013	0.041	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(g,h,i)perylene	0.0138 "J"	mg/kg	0.0114	0.036	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(k)fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	3/9/2018	3/13/2018	NJC	1
Chrysene	< 0.0121	mg/kg	0.0121	0.0383	1	M8270C	3/9/2018	3/13/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	3/9/2018	3/13/2018	NJC	1
Fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	3/9/2018	3/13/2018	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	3/9/2018	3/13/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0114	mg/kg	0.0114	0.0362	1	M8270C	3/9/2018	3/13/2018	NJC	1
1-Methyl naphthalene	0.057 "J"	mg/kg	0.0203	0.0645	1	M8270C	3/9/2018	3/13/2018	NJC	1
2-Methyl naphthalene	0.086	mg/kg	0.0113	0.0358	1	M8270C	3/9/2018	3/13/2018	NJC	1
Naphthalene	0.04 "J"	mg/kg	0.0153	0.0486	1	M8270C	3/9/2018	3/13/2018	NJC	1
Phenanthrene	0.0265 "J"	mg/kg	0.0111	0.0352	1	M8270C	3/9/2018	3/13/2018	NJC	1
Pyrene	< 0.0153	mg/kg	0.0153	0.0487	1	M8270C	3/9/2018	3/13/2018	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/9/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	0.050	mg/kg	0.0096	0.031	1	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/9/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/9/2018	CJR	1

Project Name OSCEOLA OIL
 Project #

Invoice # E34301

Lab Code 5034301H
 Sample ID G-25-2
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.1	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/8/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/8/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/8/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/8/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/8/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/8/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/8/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/8/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/8/2018	CJR	1

Lab Code 50343011
 Sample ID G-25-3
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	95.7	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/8/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/8/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/8/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/8/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/8/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/8/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/8/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/8/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/8/2018	CJR	1

Project Name OSCEOLA OIL

Invoice # E34301

Project #

Lab Code 5034301J

Sample ID METH BLK

Sample Matrix Soil

Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/8/2018	CJR	I
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/8/2018	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/8/2018	CJR	I
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/8/2018	CJR	I
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/8/2018	CJR	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/8/2018	CJR	I
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/8/2018	CJR	I
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/8/2018	CJR	I
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/8/2018	CJR	I

Project #

Lab Code 5034301K
 Sample ID G-26-1
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	85.0	%				I 5021		3/5/2018	NJC	I
Inorganic										
Metals										
Lead, Total	119	mg/Kg	0.17	0.58	I	6010B		3/7/2018	CWT	I
Organic										
PAH SIM										
Acenaphthene	0.0216 "J"	mg/kg	0.0151	0.0481	I	M8270C	3/9/2018	3/13/2018	NJC	I
Acenaphthylene	0.0209 "J"	mg/kg	0.0159	0.0508	I	M8270C	3/9/2018	3/13/2018	NJC	I
Anthracene	0.058	mg/kg	0.0109	0.0345	I	M8270C	3/9/2018	3/13/2018	NJC	I
Benzo(a)anthracene	0.101	mg/kg	0.013	0.043	I	M8270C	3/9/2018	3/13/2018	NJC	I
Benzo(a)pyrene	0.113	mg/kg	0.0113	0.0359	I	M8270C	3/9/2018	3/13/2018	NJC	I
Benzo(b)fluoranthene	0.154	mg/kg	0.013	0.041	I	M8270C	3/9/2018	3/13/2018	NJC	I
Benzo(g,h,i)perylene	0.066	mg/kg	0.0114	0.036	I	M8270C	3/9/2018	3/13/2018	NJC	I
Benzo(k)fluoranthene	0.056	mg/kg	0.0147	0.0469	I	M8270C	3/9/2018	3/13/2018	NJC	I
Chrysene	0.144	mg/kg	0.0121	0.0383	I	M8270C	3/9/2018	3/13/2018	NJC	I
Dibenzo(a,h)anthracene	0.0128 "J"	mg/kg	0.0078	0.0251	I	M8270C	3/9/2018	3/13/2018	NJC	I
Fluoranthene	0.34	mg/kg	0.0147	0.0469	I	M8270C	3/9/2018	3/13/2018	NJC	I
Fluorene	0.035 "J"	mg/kg	0.0179	0.057	I	M8270C	3/9/2018	3/13/2018	NJC	I
Indeno(1,2,3-cd)pyrene	0.057	mg/kg	0.0114	0.0362	I	M8270C	3/9/2018	3/13/2018	NJC	I
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	I	M8270C	3/9/2018	3/13/2018	NJC	I
2-Methyl naphthalene	0.0151 "J"	mg/kg	0.0113	0.0358	I	M8270C	3/9/2018	3/13/2018	NJC	I
Naphthalene	0.0199 "J"	mg/kg	0.0153	0.0486	I	M8270C	3/9/2018	3/13/2018	NJC	I
Phenanthrene	0.39	mg/kg	0.0111	0.0352	I	M8270C	3/9/2018	3/13/2018	NJC	I
Pyrene	0.306	mg/kg	0.0153	0.0487	I	M8270C	3/9/2018	3/13/2018	NJC	I
PVOC										
Benzene	< 0.025	mg/kg	0.0095	0.03	I	GRO95/8021		3/8/2018	CJR	I
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	I	GRO95/8021		3/8/2018	CJR	I
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	I	GRO95/8021		3/8/2018	CJR	I
Toluene	< 0.025	mg/kg	0.013	0.041	I	GRO95/8021		3/8/2018	CJR	I
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	I	GRO95/8021		3/8/2018	CJR	I
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	I	GRO95/8021		3/8/2018	CJR	I
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	I	GRO95/8021		3/8/2018	CJR	I
o-Xylene	< 0.025	mg/kg	0.0062	0.02	I	GRO95/8021		3/8/2018	CJR	I

Project #

Lab Code 5034301L
 Sample ID G-26-2
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	75.7	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/8/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/8/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/8/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/8/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/8/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/8/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/8/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/8/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/8/2018	CJR	1

Lab Code 5034301M
 Sample ID G-26-3
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.7	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/8/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/8/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/8/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/8/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/8/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/8/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/8/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/8/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/8/2018	CJR	1

Project Name OSCEOLA OIL
 Project #

Invoice # E34301

Lab Code 5034301N
 Sample ID G-27-1
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	92.0	%			1	502I		3/5/2018	NJC	1
Inorganic										
Metals										
Lead, Total	51.3	mg/Kg	0.17	0.58	1	6010B		3/7/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	3/9/2018	3/13/2018	NJC	1
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	3/9/2018	3/13/2018	NJC	1
Anthracene	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(a)anthracene	< 0.013	mg/kg	0.013	0.043	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(a)pyrene	< 0.0113	mg/kg	0.0113	0.0359	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(b)fluoranthene	0.0148 "J"	mg/kg	0.013	0.041	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(g,h,i)perylene	< 0.0114	mg/kg	0.0114	0.036	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(k)fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	3/9/2018	3/13/2018	NJC	1
Chrysene	< 0.0121	mg/kg	0.0121	0.0383	1	M8270C	3/9/2018	3/13/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	3/9/2018	3/13/2018	NJC	1
Fluoranthene	< 0.0147	mg/kg	0.0147	0.0469	1	M8270C	3/9/2018	3/13/2018	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	3/9/2018	3/13/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.0114	mg/kg	0.0114	0.0362	1	M8270C	3/9/2018	3/13/2018	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	3/9/2018	3/13/2018	NJC	1
2-Methyl naphthalene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	3/9/2018	3/13/2018	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	3/9/2018	3/13/2018	NJC	1
Phenanthrene	< 0.0111	mg/kg	0.0111	0.0352	1	M8270C	3/9/2018	3/13/2018	NJC	1
Pyrene	< 0.0153	mg/kg	0.0153	0.0487	1	M8270C	3/9/2018	3/13/2018	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/8/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/8/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/8/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/8/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/8/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/8/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/8/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/8/2018	CJR	1

Project #

Lab Code 50343010
 Sample ID G-27-2
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	93.6	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/9/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/9/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/9/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/9/2018	CJR	1

Lab Code 5034301P
 Sample ID G-27-3
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.4	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/9/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/9/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/9/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/9/2018	CJR	1

Project #

Lab Code 5034301Q
 Sample ID G-28-1
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	90.3	%			1	5021		3/5/2018	NJC	1
Inorganic										
Metals										
Lead, Total	50.3	mg/Kg	0.17	0.58	1	6010B		3/7/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.0151	mg/kg	0.0151	0.0481	1	M8270C	3/9/2018	3/13/2018	NJC	1
Acenaphthylene	< 0.0159	mg/kg	0.0159	0.0508	1	M8270C	3/9/2018	3/13/2018	NJC	1
Anthracene	< 0.0109	mg/kg	0.0109	0.0345	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(a)anthracene	0.035 "J"	mg/kg	0.013	0.043	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(a)pyrene	0.04	mg/kg	0.0113	0.0359	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(b)fluoranthene	0.061	mg/kg	0.013	0.041	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(g,h,i)perylene	0.0242 "J"	mg/kg	0.0114	0.036	1	M8270C	3/9/2018	3/13/2018	NJC	1
Benzo(k)fluoranthene	0.0213 "J"	mg/kg	0.0147	0.0469	1	M8270C	3/9/2018	3/13/2018	NJC	1
Chrysene	0.041	mg/kg	0.0121	0.0383	1	M8270C	3/9/2018	3/13/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.0078	mg/kg	0.0078	0.0251	1	M8270C	3/9/2018	3/13/2018	NJC	1
Fluoranthene	0.042 "J"	mg/kg	0.0147	0.0469	1	M8270C	3/9/2018	3/13/2018	NJC	1
Fluorene	< 0.0179	mg/kg	0.0179	0.057	1	M8270C	3/9/2018	3/13/2018	NJC	1
Indeno(1,2,3-cd)pyrene	0.0207 "J"	mg/kg	0.0114	0.0362	1	M8270C	3/9/2018	3/13/2018	NJC	1
1-Methyl naphthalene	< 0.0203	mg/kg	0.0203	0.0645	1	M8270C	3/9/2018	3/13/2018	NJC	1
2-Methyl naphthalene	< 0.0113	mg/kg	0.0113	0.0358	1	M8270C	3/9/2018	3/13/2018	NJC	1
Naphthalene	< 0.0153	mg/kg	0.0153	0.0486	1	M8270C	3/9/2018	3/13/2018	NJC	1
Phenanthrene	0.0163 "J"	mg/kg	0.0111	0.0352	1	M8270C	3/9/2018	3/13/2018	NJC	1
Pyrene	0.048 "J"	mg/kg	0.0153	0.0487	1	M8270C	3/9/2018	3/13/2018	NJC	1
PVOC										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/9/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/9/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/9/2018	CJR	1

Project #

Lab Code 5034301R
 Sample ID G-28-2
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	88.9	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/9/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/9/2018	CJR	1
Toluene	0.071	mg/kg	0.013	0.041	1	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/9/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/9/2018	CJR	1

Lab Code 5034301S
 Sample ID G-28-3
 Sample Matrix Soil
 Sample Date 3/1/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	89.3	%			1	5021		3/5/2018	NJC	1
Organic										
PVOC + Naphthalene										
Benzene	< 0.025	mg/kg	0.0095	0.03	1	GRO95/8021		3/9/2018	CJR	1
Ethylbenzene	< 0.025	mg/kg	0.016	0.05	1	GRO95/8021		3/9/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.025	mg/kg	0.011	0.034	1	GRO95/8021		3/9/2018	CJR	1
Naphthalene	< 0.025	mg/kg	0.022	0.07	1	GRO95/8021		3/9/2018	CJR	1
Toluene	< 0.025	mg/kg	0.013	0.041	1	GRO95/8021		3/9/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.025	mg/kg	0.019	0.06	1	GRO95/8021		3/9/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.025	mg/kg	0.0096	0.031	1	GRO95/8021		3/9/2018	CJR	1
m&p-Xylene	< 0.05	mg/kg	0.013	0.042	1	GRO95/8021		3/9/2018	CJR	1
o-Xylene	< 0.025	mg/kg	0.0062	0.02	1	GRO95/8021		3/9/2018	CJR	1

Project Name OSCEOLA OIL
Project #

Invoice # E34301

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

CHAIN OF STUDY RECORD

Synergy

Chain # No 297
Page 1 of 2

Environmental Lab, Inc.

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

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

Lab ID: # _____
 Account No.: _____ Quote No.: _____
 Project #: _____
 Sampler: (signature) *[Signature]*

Project (Name / Location): *Osceola Oil - Milltown*

Reports To: *Mike Montgomery* Invoice To: *Mike Montgomery*

Company: _____ Company: *c/o METCO*

Address: *945 187th St PO Box 45* Address: *709 Gillette St, Ste 3*

City State Zip: *Dresser, WI 54009* City State Zip: *La Crosse, WI 54603*

Phone: *(715) 501-8349* Phone: *(608) 781-8879*

FAX: _____ FAX: _____

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

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
S05/S01/A	G-23-1	3/1	12:00		X		4	S	MEOH/Non
B	G-23-2		12:05				2		
C	G-23-3		12:10				2		
D	G-24-1		12:25				4		None
E	G-24-2		12:30				2		
F	G-24-3		12:35				2		
G	G-25-1		12:40				4		None
H	G-25-2		12:45				2		
I	G-25-3		12:50				2		
	Meat Blank						1		

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

*Lab to send copy of report to METCO
 UCL Rates
 Agent Status*

Sample Integrity: To be completed by receiving lab

Method of Shipment: *GC*

Temp. of Temp. Blank: _____ C On Ice:

Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) *[Signature]* Time: *9:35 AM* Date: *3/4/18*

Received By: (sign) _____ Time: _____ Date: _____

Received in Laboratory By: *[Signature]* Time: *10:00* Date: *3/5/18*

CHAIN OF STUDY RECORD

Synergy

Chain # No 297

Page 2 of 2

Environmental Lab, Inc.

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

Sample Handling Request

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

Normal Turn Around

Lab ID: _____
Account No.: _____ Quote No.: _____
Project #: _____
Sampler: (signature) *[Signature]*

Project (Name / Location): *Oscoda Oil - Milltown*
Reports To: *See Page 1* Invoice To: *See Page 1*
Company: _____
Address: _____
City State Zip: _____
Phone: _____
FAX: _____

Analysis Requested										Other Analysis										
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 542.2)	VOC (EPA 8260)	8-PCRA METALS	Other Analysis						PID/ FID
		X		X	X	X														
								X												
								X												
								X												

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
	G-26-1	3/1	1:00		X		4	S	MEDH/None
	G-26-2		1:05				2		
	G-26-3		1:10				2		
	G-27-1		1:15				4		/None
	G-27-2		1:20				2		
	G-27-3		1:25				2		
	G-28-1		1:30				4		/None
	G-28-2		1:35				2		
	G-28-3		1:40				2		

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

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

Relinquished By: (sign) *[Signature]* Time: 9:35 AM Date: 3/2/18
Received By: (sign) _____ Time: 10:00 Date: 3/3/18
Received in Laboratory By: *[Signature]* Time: _____ Date: _____

Synergy Environmental Lab,

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

MIKE MONTGOMERY
MIKE MONTGOMERY
9845 187TH STREET
DRESSER, WI 54009

Report Date 20-Apr-18

Project Name OSCEOLA OIL CO., BULK PLANT
Project #

Invoice # E34436

Lab Code 5034436A
Sample ID MW-6
Sample Matrix Water
Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.05 "J"	mg/l	0.03	0.1	1	200.7	4/4/2018	4/3/2018	CWT	1
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421	4/3/2018	4/3/2018	CWT	1
Manganese, Dissolved	13.8	ug/L	4.2	13.8	1	200.7	4/4/2018	4/3/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	4/2/2018	4/3/2018	MJR	1
Acenaphthylene	0.0278 "J"	ug/l	0.009	0.028	1	M8270C	4/2/2018	4/3/2018	MJR	1
Anthracene	0.0094 "J"	ug/l	0.009	0.03	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(a)anthracene	0.0268 "J"	ug/l	0.017	0.054	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(a)pyrene	0.0225 "J"	ug/l	0.017	0.055	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(b)fluoranthene	0.036 "J"	ug/l	0.02	0.063	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(g,h,i)perylene	0.0255 "J"	ug/l	0.011	0.036	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	4/2/2018	4/3/2018	MJR	1
Chrysene	0.0213 "J"	ug/l	0.019	0.062	1	M8270C	4/2/2018	4/3/2018	MJR	1
Dibenzo(a,h)anthracene	0.0133 "J"	ug/l	0.01	0.031	1	M8270C	4/2/2018	4/3/2018	MJR	1
Fluoranthene	0.036 "J"	ug/l	0.031	0.098	1	M8270C	4/2/2018	4/3/2018	MJR	1
Fluorene	0.0214 "J"	ug/l	0.011	0.034	1	M8270C	4/2/2018	4/3/2018	MJR	1
Indeno(1,2,3-cd)pyrene	0.045	ug/l	0.012	0.038	1	M8270C	4/2/2018	4/3/2018	MJR	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	4/2/2018	4/3/2018	MJR	1
2-Methyl naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/3/2018	MJR	1
Naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/3/2018	MJR	1
Phenanthrene	0.0271 "J"	ug/l	0.025	0.081	1	M8270C	4/2/2018	4/3/2018	MJR	1
Pyrene	0.035 "J"	ug/l	0.03	0.095	1	M8270C	4/2/2018	4/3/2018	MJR	1
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B	4/4/2018	4/4/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B	4/4/2018	4/4/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B	4/4/2018	4/4/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B	4/4/2018	4/4/2018	CJR	1

Project Name OSCEOLA OIL CO., BULK PLANT
 Project #

Invoice # E34436

Lab Code 5034436A
 Sample ID MW-6
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		4/4/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		4/4/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		4/4/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		4/4/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		4/4/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		4/4/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		4/4/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		4/4/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		4/4/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		4/4/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		4/4/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		4/4/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		4/4/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		4/4/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		4/4/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		4/4/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		4/4/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		4/4/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		4/4/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		4/4/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		4/4/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		4/4/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		4/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/4/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/4/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		4/4/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		4/4/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		4/4/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/4/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		4/4/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		4/4/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		4/4/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		4/4/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		4/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/4/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		4/4/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/4/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/4/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	96	REC %			1	8260B		4/4/2018	CJR	1
SUR - 4-Bromofluorobenzene	110	REC %			1	8260B		4/4/2018	CJR	1

Project Name OSCEOLA OIL CO., BULK PLANT
Project #

Invoice # E34436

Lab Code 5034436A
Sample ID MW-6
Sample Matrix Water
Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
SUR - Dibromofluoromethane	106	REC %			1	8260B		4/4/2018	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		4/4/2018	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.81 "J"	mg/l	0.36	1.15	1	353.2		4/18/2018	NJC	1
Sulfate, Filtered	8.79	mg/l	1.35	4.3	1	ASTM D516-		4/18/2018	NJC	1

Lab Code 5034436B
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.03 "J"	mg/l	0.03	0.1	1	200.7		4/4/2018	CWT	1
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		4/3/2018	CWT	1
Manganese, Dissolved	20.1	ug/L	4.2	13.8	1	200.7		4/4/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	4/2/2018	4/3/2018	MJR	1
Acenaphthylene	0.0174 "J"	ug/l	0.009	0.028	1	M8270C	4/2/2018	4/3/2018	MJR	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	4/2/2018	4/3/2018	MJR	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	4/2/2018	4/3/2018	MJR	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	4/2/2018	4/3/2018	MJR	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	4/2/2018	4/3/2018	MJR	1
Fluorene	0.013 "J"	ug/l	0.011	0.034	1	M8270C	4/2/2018	4/3/2018	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	4/2/2018	4/3/2018	MJR	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	4/2/2018	4/3/2018	MJR	1
2-Methyl naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/3/2018	MJR	1
Naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/3/2018	MJR	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	4/2/2018	4/3/2018	MJR	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	4/2/2018	4/3/2018	MJR	1
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/4/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		4/4/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		4/4/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		4/4/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		4/4/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		4/4/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		4/4/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		4/4/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		4/4/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		4/4/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		4/4/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		4/4/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		4/4/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		4/4/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		4/4/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		4/4/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		4/4/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		4/4/2018	CJR	1

Project Name OSCEOLA OIL CO., BULK PLANT
 Project #

Invoice # E34436

Lab Code 5034436B
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		4/4/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		4/4/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		4/4/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		4/4/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		4/4/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		4/4/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		4/4/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		4/4/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		4/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/4/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/4/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		4/4/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		4/4/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		4/4/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/4/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		4/4/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		4/4/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		4/4/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		4/4/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		4/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/4/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		4/4/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/4/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/4/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	94	REC %				8260B		4/4/2018	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %				8260B		4/4/2018	CJR	1
SUR - Dibromofluoromethane	105	REC %				8260B		4/4/2018	CJR	1
SUR - Toluene-d8	98	REC %				8260B		4/4/2018	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.65 "J"	mg/l	0.36	1.15	1	353.2		4/18/2018	NJC	1
Sulfate, Filtered	6.40	mg/l	1.35	4.3	1	ASTM D516-		4/18/2018	NJC	1

Lab Code 5034436C
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.03 "J"	mg/l	0.03	0.1	1	200.7		4/4/2018	CWT	1
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		4/3/2018	CWT	1
Manganese, Dissolved	65.0	ug/L	4.2	13.8	1	200.7		4/4/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	0.0111 "J"	ug/l	0.008	0.025	1	M8270C	4/2/2018	4/3/2018	MJR	1
Acenaphthylene	0.0193 "J"	ug/l	0.009	0.028	1	M8270C	4/2/2018	4/3/2018	MJR	1
Anthracene	0.0142 "J"	ug/l	0.009	0.03	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(a)anthracene	0.0284 "J"	ug/l	0.017	0.054	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(a)pyrene	0.0213 "J"	ug/l	0.017	0.055	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(b)fluoranthene	0.034 "J"	ug/l	0.02	0.063	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(g,h,i)perylene	0.0168 "J"	ug/l	0.011	0.036	1	M8270C	4/2/2018	4/3/2018	MJR	1
Benzo(k)fluoranthene	0.0151 "J"	ug/l	0.014	0.044	1	M8270C	4/2/2018	4/3/2018	MJR	1
Chrysene	0.0228 "J"	ug/l	0.019	0.062	1	M8270C	4/2/2018	4/3/2018	MJR	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	4/2/2018	4/3/2018	MJR	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	4/2/2018	4/3/2018	MJR	1
Fluorene	0.0165 "J"	ug/l	0.011	0.034	1	M8270C	4/2/2018	4/3/2018	MJR	1
Indeno(1,2,3-cd)pyrene	0.0159 "J"	ug/l	0.012	0.038	1	M8270C	4/2/2018	4/3/2018	MJR	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	4/2/2018	4/3/2018	MJR	1
2-Methyl naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/3/2018	MJR	1
Naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/3/2018	MJR	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	4/2/2018	4/3/2018	MJR	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	4/2/2018	4/3/2018	MJR	1
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/4/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		4/4/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		4/4/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		4/4/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		4/4/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		4/4/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		4/4/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		4/4/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		4/4/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		4/4/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		4/4/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		4/4/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		4/4/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		4/4/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		4/4/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		4/4/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		4/4/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		4/4/2018	CJR	1

Project Name OSCEOLA OIL CO., BULK PLANT
 Project #

Invoice # E34436

Lab Code 5034436C
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		4/4/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		4/4/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		4/4/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		4/4/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		4/4/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		4/4/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		4/4/2018	CJR	1
p-isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		4/4/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		4/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/4/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/4/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		4/4/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		4/4/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		4/4/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/4/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		4/4/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		4/4/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		4/4/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		4/4/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		4/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/4/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		4/4/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/4/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/4/2018	CJR	1
SUR - Dibromofluoromethane	112	REC %			1	8260B		4/4/2018	CJR	1
SUR - Toluene-d8	97	REC %			1	8260B		4/4/2018	CJR	1
SUR - 4-Bromofluorobenzene	112	REC %			1	8260B		4/4/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		4/4/2018	CJR	1

Wet Chemistry

General

Nitrite Plus Nitrate, Dissolved	< 0.36	mg/l	0.36	1.15	1	353.2		4/18/2018	NJC	1
Sulfate, Filtered	35.2	mg/l	1.35	4.3	1	ASTM D516-		4/18/2018	NJC	1

Lab Code 5034436D
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.09 "J"	mg/l	0.03	0.1	1	200.7		4/4/2018	CWT	1
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		4/3/2018	CWT	1
Manganese, Dissolved	24.2	ug/L	4.2	13.8	1	200.7		4/4/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	4/2/2018	4/4/2018	MJR	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	4/2/2018	4/4/2018	MJR	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	4/2/2018	4/4/2018	MJR	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	4/2/2018	4/4/2018	MJR	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	4/2/2018	4/4/2018	MJR	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	4/2/2018	4/4/2018	MJR	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	4/2/2018	4/4/2018	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	4/2/2018	4/4/2018	MJR	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	4/2/2018	4/4/2018	MJR	1
2-Methyl naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/4/2018	MJR	1
Naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/4/2018	MJR	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	4/2/2018	4/4/2018	MJR	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	4/2/2018	4/4/2018	MJR	1
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/4/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		4/4/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		4/4/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		4/4/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		4/4/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		4/4/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		4/4/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		4/4/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		4/4/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		4/4/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		4/4/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		4/4/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		4/4/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		4/4/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		4/4/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		4/4/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		4/4/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		4/4/2018	CJR	1

Project

Lab Code 5034436D

Sample ID MW-3

Sample Matrix Water

Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		4/4/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		4/4/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		4/4/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		4/4/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		4/4/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		4/4/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		4/4/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		4/4/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		4/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/4/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/4/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		4/4/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		4/4/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		4/4/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/4/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		4/4/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		4/4/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		4/4/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		4/4/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		4/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/4/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		4/4/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/4/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/4/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %			1	8260B		4/4/2018	CJR	1
SUR - 4-Bromofluorobenzene	107	REC %			1	8260B		4/4/2018	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		4/4/2018	CJR	1
SUR - Toluene-d8	98	REC %			1	8260B		4/4/2018	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.42 "J"	mg/l	0.36	1.15	1	353.2		4/18/2018	NJC	1
Sulfate, Filtered	61.7	mg/l	2.7	8.6	2	ASTM D516-		4/18/2018	NJC	1

Lab Code 5034436E
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.13	mg/l	0.03	0.1	1	200.7		4/4/2018	CWT	1
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		4/3/2018	CWT	1
Manganese, Dissolved	29.8	ug/L	4.2	13.8	1	200.7		4/4/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	4/2/2018	4/4/2018	MJR	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	4/2/2018	4/4/2018	MJR	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	4/2/2018	4/4/2018	MJR	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	4/2/2018	4/4/2018	MJR	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	4/2/2018	4/4/2018	MJR	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	4/2/2018	4/4/2018	MJR	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	4/2/2018	4/4/2018	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	4/2/2018	4/4/2018	MJR	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	4/2/2018	4/4/2018	MJR	1
2-Methyl naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/4/2018	MJR	1
Naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/4/2018	MJR	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	4/2/2018	4/4/2018	MJR	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	4/2/2018	4/4/2018	MJR	1
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/4/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		4/4/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		4/4/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		4/4/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		4/4/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		4/4/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		4/4/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		4/4/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		4/4/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		4/4/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		4/4/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		4/4/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		4/4/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		4/4/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		4/4/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		4/4/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		4/4/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		4/4/2018	CJR	1

Lab Code 5034436E
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		4/4/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		4/4/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		4/4/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		4/4/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		4/4/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		4/4/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		4/4/2018	CJR	1
p-isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		4/4/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		4/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/4/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/4/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		4/4/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		4/4/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		4/4/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/4/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		4/4/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		4/4/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		4/4/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		4/4/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		4/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/4/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		4/4/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/4/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/4/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	102	REC %			1	8260B		4/4/2018	CJR	1
SUR - 4-Bromofluorobenzene	106	REC %			1	8260B		4/4/2018	CJR	1
SUR - Dibromofluoromethane	109	REC %			1	8260B		4/4/2018	CJR	1
SUR - Toluene-d8	99	REC %			1	8260B		4/4/2018	CJR	1
Wet Chemistry										
General										
Nitrite Plus Nitrate, Dissolved	0.65 "J"	mg/l	0.36	1.15	1	353.2		4/18/2018	NJC	1
Sulfate, Filtered	87.0	mg/l	6.75	21.5	5	ASTM D516-		4/18/2018	NJC	1

Project

Lab Code 5034436F
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Iron, Dissolved	0.04 "J"	mg/l	0.03	0.1	1	200.7		4/4/2018	CWT	1
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		4/3/2018	CWT	1
Manganese, Dissolved	20.1	ug/L	4.2	13.8	1	200.7		4/4/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	4/2/2018	4/4/2018	MJR	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	4/2/2018	4/4/2018	MJR	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	4/2/2018	4/4/2018	MJR	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	4/2/2018	4/4/2018	MJR	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	4/2/2018	4/4/2018	MJR	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	4/2/2018	4/4/2018	MJR	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	4/2/2018	4/4/2018	MJR	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	4/2/2018	4/4/2018	MJR	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	4/2/2018	4/4/2018	MJR	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	4/2/2018	4/4/2018	MJR	1
2-Methyl naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/4/2018	MJR	1
Naphthalene	< 0.04	ug/l	0.04	0.133	1	M8270C	4/2/2018	4/4/2018	MJR	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	4/2/2018	4/4/2018	MJR	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	4/2/2018	4/4/2018	MJR	1
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/4/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		4/4/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		4/4/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		4/4/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		4/4/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		4/4/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		4/4/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		4/4/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		4/4/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		4/4/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		4/4/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		4/4/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		4/4/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		4/4/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		4/4/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		4/4/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		4/4/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		4/4/2018	CJR	1

Project #

Lab Code 5034436F
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		4/4/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		4/4/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		4/4/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		4/4/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		4/4/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		4/4/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		4/4/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		4/4/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		4/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/4/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/4/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		4/4/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		4/4/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		4/4/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/4/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		4/4/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		4/4/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		4/4/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		4/4/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		4/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/4/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63	2	1	8260B		4/4/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		4/4/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/4/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/4/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	105	REC %				1 8260B		4/4/2018	CJR	1
SUR - 4-Bromofluorobenzene	108	REC %				1 8260B		4/4/2018	CJR	1
SUR - Dibromofluoromethane	112	REC %				1 8260B		4/4/2018	CJR	1
SUR - Toluene-d8	96	REC %				1 8260B		4/4/2018	CJR	1

Wet Chemistry

General

Nitrite Plus Nitrate, Dissolved	0.89 "J"	mg/l	0.36	1.15	1	353.2		4/18/2018	NJC	1
Sulfate, Filtered	15.0	mg/l	1.35	4.3	1	ASTM D516-		4/18/2018	NJC	1

Lab Code 5034436G
 Sample ID TB
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
VOC's										
Benzene	< 0.22	ug/l	0.22	0.71	1	8260B		4/4/2018	CJR	1
Bromobenzene	< 0.44	ug/l	0.44	1.38	1	8260B		4/4/2018	CJR	1
Bromodichloromethane	< 0.33	ug/l	0.33	1.06	1	8260B		4/4/2018	CJR	1
Bromoform	< 0.45	ug/l	0.45	1.44	1	8260B		4/4/2018	CJR	1
tert-Butylbenzene	< 0.25	ug/l	0.25	0.8	1	8260B		4/4/2018	CJR	1
sec-Butylbenzene	< 0.79	ug/l	0.79	2.53	1	8260B		4/4/2018	CJR	1
n-Butylbenzene	< 0.71	ug/l	0.71	2.25	1	8260B		4/4/2018	CJR	1
Carbon Tetrachloride	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
Chlorobenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Chloroethane	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
Chloroform	< 0.26	ug/l	0.26	0.82	1	8260B		4/4/2018	CJR	1
Chloromethane	< 0.54	ug/l	0.54	1.72	1	8260B		4/4/2018	CJR	1
2-Chlorotoluene	< 0.31	ug/l	0.31	0.98	1	8260B		4/4/2018	CJR	1
4-Chlorotoluene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
1,2-Dibromo-3-chloropropane	< 2.96	ug/l	2.96	9.43	1	8260B		4/4/2018	CJR	1
Dibromochloromethane	< 0.22	ug/l	0.22	0.69	1	8260B		4/4/2018	CJR	1
1,4-Dichlorobenzene	< 0.7	ug/l	0.7	2.22	1	8260B		4/4/2018	CJR	1
1,3-Dichlorobenzene	< 0.85	ug/l	0.85	2.7	1	8260B		4/4/2018	CJR	1
1,2-Dichlorobenzene	< 0.86	ug/l	0.86	2.74	1	8260B		4/4/2018	CJR	1
Dichlorodifluoromethane	< 0.32	ug/l	0.32	1.02	1	8260B		4/4/2018	CJR	1
1,2-Dichloroethane	< 0.25	ug/l	0.25	0.78	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethane	< 0.36	ug/l	0.36	1.14	1	8260B		4/4/2018	CJR	1
1,1-Dichloroethene	< 0.42	ug/l	0.42	1.34	1	8260B		4/4/2018	CJR	1
cis-1,2-Dichloroethene	< 0.37	ug/l	0.37	1.16	1	8260B		4/4/2018	CJR	1
trans-1,2-Dichloroethene	< 0.34	ug/l	0.34	1.07	1	8260B		4/4/2018	CJR	1
1,2-Dichloropropane	< 0.44	ug/l	0.44	1.39	1	8260B		4/4/2018	CJR	1
1,3-Dichloropropane	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
trans-1,3-Dichloropropene	< 0.32	ug/l	0.32	1.01	1	8260B		4/4/2018	CJR	1
cis-1,3-Dichloropropene	< 0.26	ug/l	0.26	0.81	1	8260B		4/4/2018	CJR	1
Di-isopropyl ether	< 0.21	ug/l	0.21	0.66	1	8260B		4/4/2018	CJR	1
EDB (1,2-Dibromoethane)	< 0.34	ug/l	0.34	1.09	1	8260B		4/4/2018	CJR	1
Ethylbenzene	< 0.26	ug/l	0.26	0.83	1	8260B		4/4/2018	CJR	1
Hexachlorobutadiene	< 1.34	ug/l	1.34	4.28	1	8260B		4/4/2018	CJR	1
Isopropylbenzene	< 0.78	ug/l	0.78	2.47	1	8260B		4/4/2018	CJR	1
p-Isopropyltoluene	< 0.24	ug/l	0.24	0.76	1	8260B		4/4/2018	CJR	1
Methylene chloride	< 1.32	ug/l	1.32	4.21	1	8260B		4/4/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.28	ug/l	0.28	0.89	1	8260B		4/4/2018	CJR	1
Naphthalene	< 2.1	ug/l	2.1	6.65	1	8260B		4/4/2018	CJR	1
n-Propylbenzene	< 0.61	ug/l	0.61	1.95	1	8260B		4/4/2018	CJR	1
1,1,2,2-Tetrachloroethane	< 0.3	ug/l	0.3	0.97	1	8260B		4/4/2018	CJR	1
1,1,1,2-Tetrachloroethane	< 0.35	ug/l	0.35	1.13	1	8260B		4/4/2018	CJR	1
Tetrachloroethene	< 0.38	ug/l	0.38	1.21	1	8260B		4/4/2018	CJR	1
Toluene	< 0.19	ug/l	0.19	0.6	1	8260B		4/4/2018	CJR	1
1,2,4-Trichlorobenzene	< 1.15	ug/l	1.15	3.67	1	8260B		4/4/2018	CJR	1
1,2,3-Trichlorobenzene	< 1.71	ug/l	1.71	5.43	1	8260B		4/4/2018	CJR	1
1,1,1-Trichloroethane	< 0.33	ug/l	0.33	1.05	1	8260B		4/4/2018	CJR	1
1,1,2-Trichloroethane	< 0.42	ug/l	0.42	1.32	1	8260B		4/4/2018	CJR	1
Trichloroethene (TCE)	< 0.3	ug/l	0.3	0.94	1	8260B		4/4/2018	CJR	1
Trichlorofluoromethane	< 0.35	ug/l	0.35	1.1	1	8260B		4/4/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.8	ug/l	0.8	2.55	1	8260B		4/4/2018	CJR	1

Project #

Lab Code 5034436G
 Sample ID TB
 Sample Matrix Water
 Sample Date 3/29/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
1,3,5-Trimethylbenzene	< 0.63	ug/l	0.63		2 1	8260B		4/4/2018	CJR	1
Vinyl Chloride	< 0.2	ug/l	0.2	0.65	1	8260B		4/4/2018	CJR	1
m&p-Xylene	< 0.43	ug/l	0.43	1.38	1	8260B		4/4/2018	CJR	1
o-Xylene	< 0.29	ug/l	0.29	0.93	1	8260B		4/4/2018	CJR	1
SUR - Toluene-d8	99	REC %				1 8260B		4/4/2018	CJR	1
SUR - 1,2-Dichloroethane-d4	101	REC %				1 8260B		4/4/2018	CJR	1
SUR - 4-Bromofluorobenzene	109	REC %				1 8260B		4/4/2018	CJR	1
SUR - Dibromofluoromethane	111	REC %				1 8260B		4/4/2018	CJR	1

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code Comment

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

Environmental Lab, Inc.

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

Sample Handling Request

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

Account No.: _____ Quote No.: _____
Project #: _____
Sampler: (signature) *Tyln Woodke*

Project (Name / Location): *Osceola Oil Co Brake Plant / Milltown*
Reports To: *Mike Montgomery* Invoice To: *Mike Montgomery*
Company: _____ Company: *1/0 METCO*
Address: *945 187th St. P.O. Box 45* Address: *709 Gillette St, ste 3*
City State Zip: *Dresser, WI 54009* City State Zip: *La Crosse, WI 54603*
Phone: *(715) 501-8349* Phone: *(608) 781-8879*
FAX: _____ FAX: _____

Analysis Requested		Other Analysis	
DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (Distilled)	OTHER ANALYSIS
			PCB
			PVOC (EPA 8021)
			PVOC + NAPHTHALENE
			SULFATE
			TOTAL SUSPENDED SOLIDS
			VOC DW (EPA 824.2)
			VOC (EPA 8260)
			8-PCRA METALS
			<i>Iron & Manganese (Distilled)</i>
			PID/ FID

Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation
MW-6	3/29	1110			Y	7	GW	HNO ₃ , None
MW-5		1135						
MW-4		1200						
MW-3		1230						
MW-2		1240						
MW-1		100						
TB					N	1		HCL

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

Sample integrity: To be completed by receiving lab
Method of shipment: _____
Temp. Blank: _____ G.O. check:
Condition of container upon receipt: Yes No

Relinquished By: (sign) *Tyln Woodke* Time Date: *6:00am 3/29*
Received By: (sign) _____ Time Date: _____
Received in Laboratory By: *[Signature]* Time: *10:00* Date: *3/31/18*

Synergy Environmental Lab,

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

MIKE MONTGOMERY
 MIKE MONTGOMERY
 9845 187TH STREET
 DRESSER, WI 54009

Report Date 22-Jun-18

Project Name OSCEOLA OIL CO. BULK PLANT
 Project #

Invoice # E34808

Lab Code 5034808A
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 6/14/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9		3 1	7421		6/19/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	6/21/2018	6/21/2018	NJC	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	6/21/2018	6/21/2018	NJC	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	6/21/2018	6/21/2018	NJC	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/21/2018	6/21/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	6/21/2018	6/21/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	6/21/2018	6/21/2018	NJC	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	6/21/2018	6/21/2018	NJC	1
2-Methyl naphthalene	< 0.0236	ug/l	0.0236	0.0751	1	M8270C	6/21/2018	6/21/2018	NJC	1
Naphthalene	< 0.023	ug/l	0.023	0.073	1	M8270C	6/21/2018	6/21/2018	NJC	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/21/2018	6/21/2018	NJC	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	6/21/2018	6/21/2018	NJC	1
PVOC										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/19/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/19/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/19/2018	CJR	1

Project #

Lab Code 5034808A
 Sample ID MW-5
 Sample Matrix Water
 Sample Date 6/14/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/19/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/19/2018	CJR	1

Lab Code 5034808B
 Sample ID MW-3
 Sample Matrix Water
 Sample Date 6/14/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9	3	1	7421		6/19/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	6/21/2018	6/21/2018	NJC	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	6/21/2018	6/21/2018	NJC	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	6/21/2018	6/21/2018	NJC	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/21/2018	6/21/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	6/21/2018	6/21/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	6/21/2018	6/21/2018	NJC	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	6/21/2018	6/21/2018	NJC	1
2-Methyl naphthalene	< 0.0236	ug/l	0.0236	0.0751	1	M8270C	6/21/2018	6/21/2018	NJC	1
Naphthalene	< 0.023	ug/l	0.023	0.073	1	M8270C	6/21/2018	6/21/2018	NJC	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/21/2018	6/21/2018	NJC	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	6/21/2018	6/21/2018	NJC	1
PVOC										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/19/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/19/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/19/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/19/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/19/2018	CJR	1

Project #

Lab Code 5034808C
 Sample ID MW-2
 Sample Matrix Water
 Sample Date 6/14/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9		3 1	7421		6/19/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	6/21/2018	6/21/2018	NJC	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	6/21/2018	6/21/2018	NJC	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	6/21/2018	6/21/2018	NJC	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/21/2018	6/21/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	6/21/2018	6/21/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	6/21/2018	6/21/2018	NJC	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	6/21/2018	6/21/2018	NJC	1
2-Methyl naphthalene	< 0.0236	ug/l	0.0236	0.0751	1	M8270C	6/21/2018	6/21/2018	NJC	1
Naphthalene	< 0.023	ug/l	0.023	0.073	1	M8270C	6/21/2018	6/21/2018	NJC	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/21/2018	6/21/2018	NJC	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	6/21/2018	6/21/2018	NJC	1
P VOC										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/19/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/19/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/19/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/19/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/19/2018	CJR	1

Project #

Lab Code 5034808D
 Sample ID MW-1
 Sample Matrix Water
 Sample Date 6/14/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9		3 1	7421		6/19/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	6/21/2018	6/21/2018	NJC	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	6/21/2018	6/21/2018	NJC	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	6/21/2018	6/21/2018	NJC	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/21/2018	6/21/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	6/21/2018	6/21/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	6/21/2018	6/21/2018	NJC	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	6/21/2018	6/21/2018	NJC	1
2-Methyl naphthalene	< 0.0236	ug/l	0.0236	0.0751	1	M8270C	6/21/2018	6/21/2018	NJC	1
Naphthalene	0.0267 "J"	ug/l	0.023	0.073	1	M8270C	6/21/2018	6/21/2018	NJC	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/21/2018	6/21/2018	NJC	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	6/21/2018	6/21/2018	NJC	1
PVOC										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/19/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/19/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/19/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/19/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/19/2018	CJR	1

Project #

Lab Code 5034808E
 Sample ID MW-6
 Sample Matrix Water
 Sample Date 6/14/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	< 0.9	ug/L	0.9		3 1	7421		6/19/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	6/21/2018	6/21/2018	NJC	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	6/21/2018	6/21/2018	NJC	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(g,h,i)perylene	< 0.011	ug/l	0.011	0.036	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	6/21/2018	6/21/2018	NJC	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/21/2018	6/21/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	6/21/2018	6/21/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	6/21/2018	6/21/2018	NJC	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	6/21/2018	6/21/2018	NJC	1
2-Methyl naphthalene	< 0.0236	ug/l	0.0236	0.0751	1	M8270C	6/21/2018	6/21/2018	NJC	1
Naphthalene	< 0.023	ug/l	0.023	0.073	1	M8270C	6/21/2018	6/21/2018	NJC	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/21/2018	6/21/2018	NJC	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	6/21/2018	6/21/2018	NJC	1
P VOC										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/19/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/19/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/19/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/19/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/19/2018	CJR	1

Project Name OSCEOLA OIL CO. BULK PLANT
 Project #

Invoice # E34808

Lab Code 5034808F
 Sample ID MW-4
 Sample Matrix Water
 Sample Date 6/14/2018

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Lead, Dissolved	0.9 "J"	ug/L	0.9		3 1	7421		6/19/2018	CWT	1
Organic										
PAH SIM										
Acenaphthene	< 0.008	ug/l	0.008	0.025	1	M8270C	6/21/2018	6/21/2018	NJC	1
Acenaphthylene	< 0.009	ug/l	0.009	0.028	1	M8270C	6/21/2018	6/21/2018	NJC	1
Anthracene	< 0.009	ug/l	0.009	0.03	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)anthracene	< 0.017	ug/l	0.017	0.054	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(a)pyrene	< 0.017	ug/l	0.017	0.055	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(b)fluoranthene	< 0.02	ug/l	0.02	0.063	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(g,h,i)perylene	0.0141 "J"	ug/l	0.011	0.036	1	M8270C	6/21/2018	6/21/2018	NJC	1
Benzo(k)fluoranthene	< 0.014	ug/l	0.014	0.044	1	M8270C	6/21/2018	6/21/2018	NJC	1
Chrysene	< 0.019	ug/l	0.019	0.062	1	M8270C	6/21/2018	6/21/2018	NJC	1
Dibenzo(a,h)anthracene	< 0.01	ug/l	0.01	0.031	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluoranthene	< 0.031	ug/l	0.031	0.098	1	M8270C	6/21/2018	6/21/2018	NJC	1
Fluorene	< 0.011	ug/l	0.011	0.034	1	M8270C	6/21/2018	6/21/2018	NJC	1
Indeno(1,2,3-cd)pyrene	< 0.012	ug/l	0.012	0.038	1	M8270C	6/21/2018	6/21/2018	NJC	1
1-Methyl naphthalene	< 0.0239	ug/l	0.0239	0.076	1	M8270C	6/21/2018	6/21/2018	NJC	1
2-Methyl naphthalene	< 0.0236	ug/l	0.0236	0.0751	1	M8270C	6/21/2018	6/21/2018	NJC	1
Naphthalene	< 0.023	ug/l	0.023	0.073	1	M8270C	6/21/2018	6/21/2018	NJC	1
Phenanthrene	< 0.025	ug/l	0.025	0.081	1	M8270C	6/21/2018	6/21/2018	NJC	1
Pyrene	< 0.03	ug/l	0.03	0.095	1	M8270C	6/21/2018	6/21/2018	NJC	1
PVOC										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/19/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/19/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/19/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/19/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/19/2018	CJR	1

Lab Code 5034808G
 Sample ID TB
 Sample Matrix Water
 Sample Date

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Organic										
PVOC										
Benzene	< 0.22	ug/l	0.22	0.69	1	GRO95/8021		6/19/2018	CJR	1
Ethylbenzene	< 0.53	ug/l	0.53	1.69	1	GRO95/8021		6/19/2018	CJR	1
Methyl tert-butyl ether (MTBE)	< 0.57	ug/l	0.57	1.82	1	GRO95/8021		6/19/2018	CJR	1
Toluene	< 0.45	ug/l	0.45	1.45	1	GRO95/8021		6/19/2018	CJR	1
1,2,4-Trimethylbenzene	< 0.73	ug/l	0.73	2.33	1	GRO95/8021		6/19/2018	CJR	1
1,3,5-Trimethylbenzene	< 0.75	ug/l	0.75	2.39	1	GRO95/8021		6/19/2018	CJR	1
m&p-Xylene	< 1	ug/l	1	3.17	1	GRO95/8021		6/19/2018	CJR	1
o-Xylene	< 0.58	ug/l	0.58	1.84	1	GRO95/8021		6/19/2018	CJR	1

Project Name OSCEOLA OIL CO. BULK PLANT
Project #

Invoice # E34808

"J" Flag: Analyte detected between LOD and LOQ

LOD Limit of Detection

LOQ Limit of Quantitation

Code *Comment*

1 Laboratory QC within limits.

CWT denotes sub contract lab - Certification #445126660

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

Authorized Signature

Michael Ricker

CHAIN OF CUSTODY RECORD

Synergy

Environmental Lab, Inc.

Chain # N^o 368

Page 1 of 1

Account No.:	Quote No.:
Project #:	
Sampler: (signature) <i>Mike Montgomery</i>	

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

Sample Handling Request
Rush Analysis Date Required _____ (Rushes accepted only with prior authorization)
<input checked="" type="checkbox"/> Normal Turn Around

Project (Name / Location): <i>Osceola Oil Co. Bulk Plant / Milltown</i>	Analysis Requested	Other Analysis																												
Reports To: <i>Mike Montgomery</i>	<table border="1"> <tr><td>DRO (Mod DRO Sep 95)</td><td></td></tr> <tr><td>GRO (Mod GRO Sep 95)</td><td></td></tr> <tr><td>LEAD (As solvent)</td><td></td></tr> <tr><td>NITRATE/NITRITE</td><td></td></tr> <tr><td>OIL & GREASE</td><td></td></tr> <tr><td>PAH (EPA 8270)</td><td></td></tr> <tr><td>PCB</td><td></td></tr> <tr><td>PVOC (EPA 8021)</td><td></td></tr> <tr><td>PVOC + NAPHTHALENE</td><td></td></tr> <tr><td>SULFATE</td><td></td></tr> <tr><td>TOTAL SUSPENDED SOLIDS</td><td></td></tr> <tr><td>VOC DW (EPA 524.2)</td><td></td></tr> <tr><td>VOC (EPA 8260)</td><td></td></tr> <tr><td>6-RCRA METALS</td><td></td></tr> </table>	DRO (Mod DRO Sep 95)		GRO (Mod GRO Sep 95)		LEAD (As solvent)		NITRATE/NITRITE		OIL & GREASE		PAH (EPA 8270)		PCB		PVOC (EPA 8021)		PVOC + NAPHTHALENE		SULFATE		TOTAL SUSPENDED SOLIDS		VOC DW (EPA 524.2)		VOC (EPA 8260)		6-RCRA METALS		
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6-RCRA METALS																														
Company: <i>C/O METCO</i>																														
Address: <i>945 187th St. P.O. Box 45</i>																														
City State Zip: <i>Dresser, WI 54009</i>																														
Phone: <i>(715) 501-8349</i>																														
Invoice To: <i>Mike Montgomery</i>																														
Company: <i>C/O METCO</i>																														
Address: <i>709 Gillette St. ste. 3</i>																														
City State Zip: <i>La Crosse, WI 54603</i>																														
Phone: <i>(608) 781-8879</i>																														

Lab ID	Sample I.D.	Collection Date	Time	Comp	Grab	Filtered Y/N	No. of Containers	Sample Type (Matrix)	Preservation	DRO (Mod DRO Sep 95)	GRO (Mod GRO Sep 95)	LEAD (As solvent)	NITRATE/NITRITE	OIL & GREASE	PAH (EPA 8270)	PCB	PVOC (EPA 8021)	PVOC + NAPHTHALENE	SULFATE	TOTAL SUSPENDED SOLIDS	VOC DW (EPA 524.2)	VOC (EPA 8260)	6-RCRA METALS	PID/ FID
502780R1	MW-5	3/29	730			Y	5	GW	HCL, HNO ₃			X			X		X							
8	MW-3		800																					
9	MW-2		830																					
10	MW-1		900																					
11	MW-6		930																					
12	MW-4		1000																					
13	TB					N	1		HCL								X							

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

Sample Integrity: To be completed by receiving lab Method of Shipment: <i>See</i> Temp. of Temp. Blank: <i>CO On Ice X</i> Cool/Seal intact upon receipt: <i>X</i> Yes <i>---</i> No	Relinquished By: (sign)	Time	Date	Received By: (sign)	Time	Date
	<i>Kaylin Felix</i>	<i>3:20</i>	<i>6-14</i>			
	Received in Laboratory By: <i>[Signature]</i>	Time: <i>10:00</i>	Date: <i>6/16/18</i>			