EAST DELAVAN PROPERTY LLC
SAGINAW-BUFFALO SITE NO. 915152

302 SCAJAQUADA STREET
BUFFALO, NEW YORK 14215

2017 PRR
Annual Operation and Maintenance Report

Prepared for:
East Delavan Property, LLC
1001 East Delavan Avenue
Buffalo, New York 14203

Prepared By:
CompCo of WNY, Inc
March 2018

TABLE OF CONTENTS

		Page
1.0	INTRODUCTION	1
2.0	OPERATION AND MAINTENANCE ACTIVITIES	3
2.1	PAVEMENT	3
2.1.1	CRACKS AND DETERIORATION	3
2.1.2	DRAINAGE AREAS	3
2.1.3	CORRECTIVE ACTION	3
2.2	STORM SEWER MANHOLE INSPECTION	3
2.3	MONITORING WELLS	4
2.4	MONITORING ACTIVITIES	4
2.4.1	GROUNDWATER MONITORING	4
2.4.2	STORM SERWER AMPLING	4
3.0	MONITORING DATA AND ANALYTICAL RESULTS	5
3.1	GROUNDWATER	5
3.2	SEWER WATER	5
4.0	CONCLUSIONS AND RECOMMENDATIONS	5
4.0	SITE HEALTH ASSESSMENT	6

LIST OF FIGURES

FIGURE 1.1 FACILITY LAYOUT - LOCATIONS OF OU1 AND OU2

FIGURE 2.1 MONITORING LOCATIONS

FIGURE 2 PAVEMENT INSPECTION MAP

LIST OF TABLES

TABLE 1: MONITORING WELL FIELD INFORMATION SUMMARY

TABLE 2: MONITORING LOCATIONS – LATITUDE/LONGITUDE

TABLE 3: MONITORING WELL INSPECTION SUMMARY

TABLE 4: MONITORING SAMPLE ANALYSIS SUMMARY

TABLE 5: STORM SEWER ANALYTICAL RESULTS SUMMARY

LIST OF APPENDICES

APPENDIX A

ANNUAL INSPECTION FORM

FIGURE 2: PAVEMENT INSPECTION MAP

APPENDIX B

ES&S SAMPLING FIELD REPORT

GROUNDWATER MONITORING FIELD FORMS

APPENDIX C

NYSDEC EDD 480-128117-1_EQUNYSDEC

TEST AMERICA EDD FILE

APPENDIX D

NYSDEC SITE MANAGEMENT PERIODIC REVIEW REPORT (PRR)

Report Structure

This report presents the results of the monitoring event conducted in November 29, 2017. The report is organized as follows:

Section 1 - Introduction: The background and brief remedial history of the Site;
Section 2 - Operation and Maintenance Activities: Activities performed during the current reporting period and their results;
Section 3 – Monitoring Data and Analytical Results: Discussion of monitoring data and analytical results generated from the current monitoring period; and
Section 4 - Conclusions and Recommendations: Conclusions and recommendations based upon the data and results of the current monitoring period.

1.0 Introduction

The Saginaw-Buffalo Site, a portion of the former General Motors ("GM") -Saginaw facility, is located at 1001 East Delavan Avenue in Buffalo. The property and facility are currently owned by East Delavan Properties, LLC ("EDP"). The area of investigation ("Site") consists of approximately 8± acres of Parking Lot No. 4, located east of the main facility and separated from the main facility by a CSX Corporation railroad right-of-way ("ROW").

Facilities and structures were constructed by GM during the mid-1920s with several additions constructed through 1994. GM operated the Facility from its inception in the 1920s until February 1994 when it was sold to American Axle & Manufacturing, Inc. ("AAM"). AAM ceased operations in December 2007 and sold the property and structures to East Delavan Property, LLC ("EDP") in October 2008.

The Site includes buildings and lots East of the CSX right-of-way bounded by Delavan Avenue on the north and Scajaquada Street on the south: this parcel is generally referred to as the *Former Saginaw–Buffalo Plant.*

The Site is listed in the Registry of Inactive Hazardous Waste Disposal Sites in New York State (Registry) as Site No. 915152. The Registry listing includes two Operable Units (OUs):

i) OU1 – a 1-acre area around the former Wastewater Treatment Plant; and
ii) OU2 - a 7-acre portion of Parking Lot No. 4 that is adjacent to OU1.

The locations of OU1 and OU2 are shown on Figure 1.1.

The final remedial alternative for the Site, as described in the Operation and Maintenance ("O&M") Manual dated April 2001 included the following components:

i) Dewatering the OU1 area with on-Site water treatment, confirmatory effluent sampling and analysis, and batch discharge to the Buffalo Sewer Authority ("BSA") sanitary sewer system;

iii) Excavating fill/soil containing greater than the Site cleanup goal of 10 parts per million (ppm) polychlorinated biphenyls (PCBs) in the OU1 area, and off-site disposal of the excavated materials;

iv) Annual maintenance of the existing pavement over the 7-acre area and repair where necessary; and

v) Long-term semi-annual monitoring of specified groundwater monitoring wells and a storm sewer manhole for PCBs and lead.

The O&M Manual, designed to serve as a work plan for Site monitoring and maintenance, was prepared and approved by New York State Department of Environmental Conservation (NYSDEC) on March 19, 2002. The O&M Manual was prepared in accordance with the Order on Consent between GM and NYSDEC effective August 13, 1998, and in response to the remediation activities conducted between July 1998 and March 2000.

A provision for review, and modification of the monitoring program if deemed appropriate, is included in the O&M Manual (Section 3.5, "Duration of Monitoring Program"). The provision states:

> *Semi-annual groundwater and sewer monitoring will be conducted for a minimum of four consecutive events, at which time the need for or frequency of continued monitoring will be evaluated."*

The current monitoring program was conducted semi-annually between April 2002 and October 2003. A review of the first four sets of monitoring data and a proposal for modification of the monitoring program was presented in the "Semi-Annual Operation and Maintenance Report", dated December 2003. The following monitoring program modifications were approved by NYSDEC in the letter from D. Szymanski (NYSDEC) to K. Malinowski (Conestoga-Rovers & Associates [CRA]) dated January 9, 2004:

i) Discontinuation of monitoring of upgradient wells MW-1 and MW-201;
ii) Discontinuation of monitoring of well MW-205; and
iii) Reduction in monitoring frequency from semi-annual to annual.

In the "Annual Monitoring Report" dated August 2008, GM requested a suspension of the O&M Program requirement unless the Site use and/or conditions were to change.

The request was denied in a letter from D. Szymanski (NYSDEC) to K. Galanti (CRA) dated September 22, 2008, however, the groundwater sampling frequency was reduced from annually to biennially. Annual pavement inspection and sewer sampling are still required.

2.0 OPERATION AND MAINTENANCE ACTIVITIES

O&M activities performed during this reporting period included:

i) Annual pavement (cover) inspection;
ii) Storm sewer manhole inspection;
iii) Limited monitoring well inspection;
iii) Storm sewer manhole monitoring.

The O&M activities were performed by CompCo of WNY, Inc., personnel in accordance with the requirements of the O&M Manual.

2.1 PAVEMENT

In accordance with the O&M Manual, the annual pavement inspection was conducted during the November 29, 2017 monitoring and the January 22, 2018 inspection. The purpose of the pavement inspection is to ensure that the integrity of the asphalt surface has been maintained. Observations were logged on an Inspection Form. A copy of the Inspection Form and Pavement Inspection Map are contained in Appendix A.

Descriptions of the inspection observations are presented in the following subsections.

2.1.1 CRACKS AND DETERIORATION

The paved area of Parking Lot 4 was visually inspected on January 22, 2018 for cracks and deterioration. Numerous superficial cracks were observed along pavement joints, with none large enough to warrant resealing. A copy of the 2017 Pavement Inspection Map and photographs of the 2016 re-sealing effort is contained in Appendix A. We will conduct another inspection during mid-2018.

2.1.2 DRAINAGE AREAS

No low areas or areas exhibiting poor drainage were observed during this inspection event.

2.1.3 CORRECTIVE ACTION

Deficiencies that may require corrective action observed during the November 29, 2017 monitoring and the January 22, 2018 inspection will be addressed during the mid-2018 inspection.

2.2 STORM SEWER MANHOLE INSPECTION

Storm sewer manholes were inspected concurrent with the area pavement inspection and groundwater sampling. The manhole covers were removed and the manhole risers were

inspected for structural damage that could result in sediment intrusion. The storm sewers were also inspected to see if any uncharacteristically large amounts of sediment indicative of damage to the sewer or manhole(s) were present.

No structural damage or large sediment build-ups were observed during this inspection event. The manhole/trap discharge structure at the far south margin of the site was observed as collapsed during the 2015 inspection; the entire receiver structure was removed and replaced with a new receiver during the week of May 16, 2016.

The log of the 2017 storm sewer manhole inspection is included on the Annual Inspection Form presented in Appendix A.

2.3 MONITORING WELLS

Groundwater sampling was completed as part of the 2017 event along with inspection of Site monitoring wells. The inspections of the monitoring wells included the verification of the presence and condition of well caps and general condition of the visible portions of the well casings. Observations are noted on the Annual Inspection Form presented in Appendix A.

2.4 MONITORING ACTIVITIES

A groundwater and storm sewer monitoring program designed to provide data that will facilitate evaluation of the effectiveness of the remedial program is conducted in accordance with the O&M Manual and subsequent approved modifications. The locations of the groundwater monitoring wells and storm sewer manholes included in the monitoring program are shown on Figure 2.1, and listed in Table 2.1.

2.4.1 GROUNDWATER MONITORING

Per the approved reduction in groundwater sampling frequency to biennially, the most recent sampling was conducted on November 29, 2017 for 2017 calendar year. The next groundwater sampling event will be conducted during 2019 ("MH-2" shall be sampled during 2018).

2.4.2 STORM SEWER SAMPLING

On November 29, 2017 water from storm sewer Manhole No. 2 ("MH-2") was sampled in accordance with the procedures contained in the O&M Manual. Less than 1.0 inches of sediment was observed in the bottom of the manhole. The sediment in MH-2 is not deemed significant therefore, a sediment sample was not collected.

A sample collection and analysis summary for MH-2 is included in Table 5. The field sample form is provided as Appendix B.

3.0 MONITORING DATA AND ANALYTICAL RESULTS

The monitoring and analytical data generated during this monitoring event are presented and discussed in the following subsection.

MONITORING DATA AND ANALYTICAL RESULTS

The monitoring and analytical data generated during this monitoring event are presented and discussed in the following subsections. A quality assurance/quality control (QA/QC) review of the analytical data has been conducted and is presented in Appendix B (ES&S Sampling Field Report).

3.1 GROUNDWATER

The groundwater analytical data generated during this reporting period are summarized in Table 4: MONITORING WELL SAMPLE ANALYSIS SUMMARY .

No PCBs or lead were detected non-detect ("ND") in the groundwater sample collected from MH-2.

All required monitoring well sample results were non-detect ND for PCBs.

Total lead in MW-210 tested non-detect ("ND") in the groundwater sample. Lead tested in all other monitoring wells were detected at concentrations of lead either total or dissolved, lower than the New York Criteria for Class GA (potable) groundwater of 25 Ng/L.

3.2 SEWER WATER – MH-2

Neither PCBs nor lead were detected in the water sample from the Site storm sewer MH-2 collected during this monitoring event. The November 29, 2017 storm sewer water analytical data are presented in Table 5: STORM SEWER ANALYTICAL RESULTS SUMMARY

4.0 CONCLUSIONS AND RECOMMENDATIONS

The O&M activities performed during this reporting period found that:

i) Monitoring wells at the Site are in good condition;

ii) Inspection of the asphalt was conducted 0n January with no significant deterioration observed;

iii) PCBs were not present (ND) in storm sewer effluent;

iv) PCBs were not present (ND) in all required monitoring wells sampled;

v) Lead was not present (ND) in storm sewer effluent;

vi) The concentration of dissolved lead in Site groundwater is below the New York water quality criteria of 25 µg/L for lead in potable groundwater.

Based on these observations, it is concluded that the remedial action continues to be effective insuring that little potential for exposure to site-related contaminants.

5.0 Site Health Assessment

With the closure of the AAM facility in December 2007 the Site is no longer used as a parking lot. With the exception that a limited part of the parking lot is being used as a training lot for school bus trainees, the site remains idle. With the sale of the property to EDP in October 1998 with access to the Site restricted.

The existing deed restriction prevents use of the site property for purposes other than industrial uses, thereby preventing the use of groundwater for drinking. The area is served by public water so exposures via drinking water are not expected.

The remedy which included the removal of contaminated soils, maintenance of existing pavement, and deed restrictions continues to insure little potential for exposure to site-related contaminants.

LIST OF FIGURES

FIGURE 1.1 FACILITY LAYOUT - LOCATIONS OF OU1 AND OU2

FIGURE 2.1 MONITORING LOCATIONS

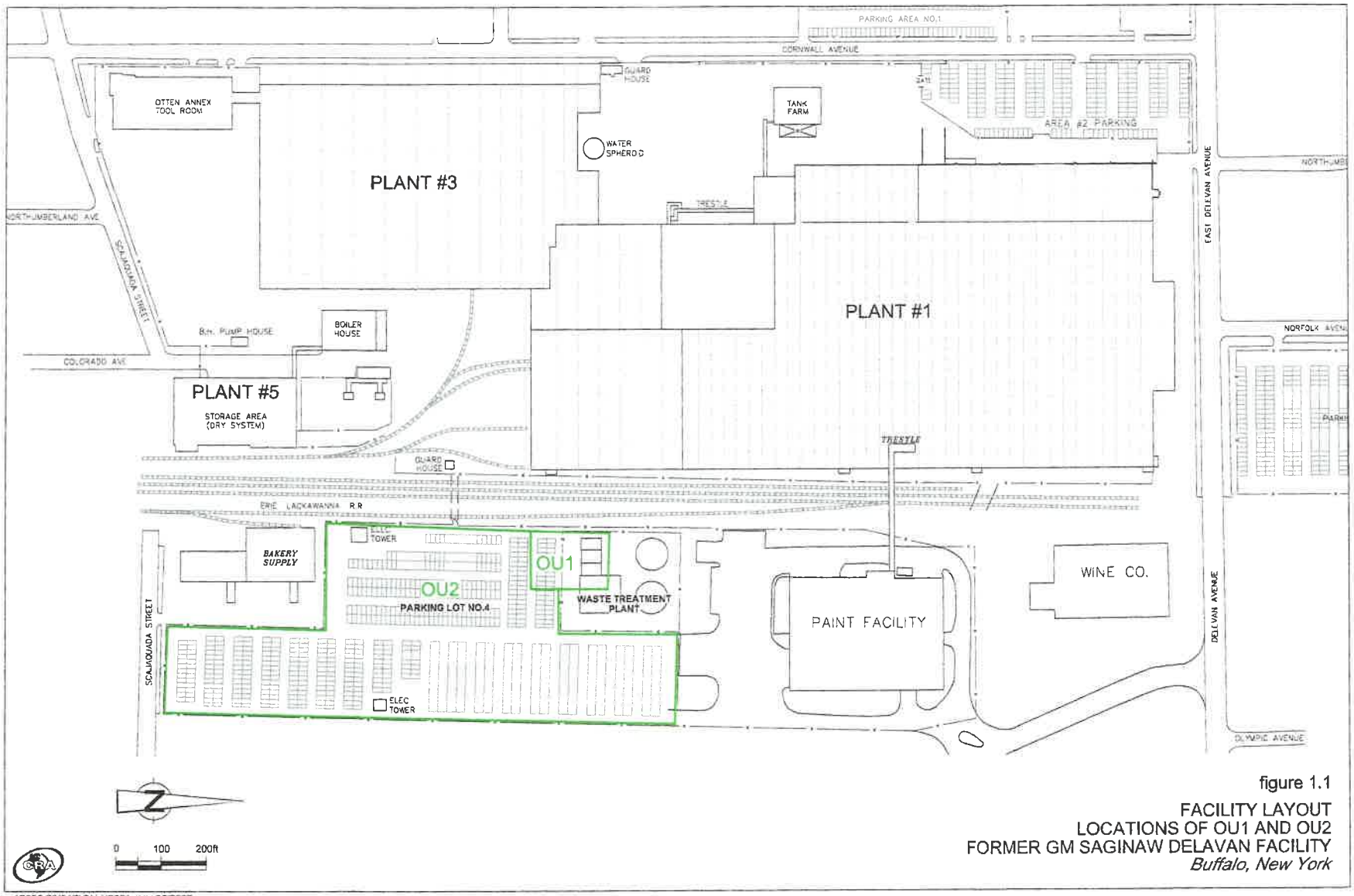
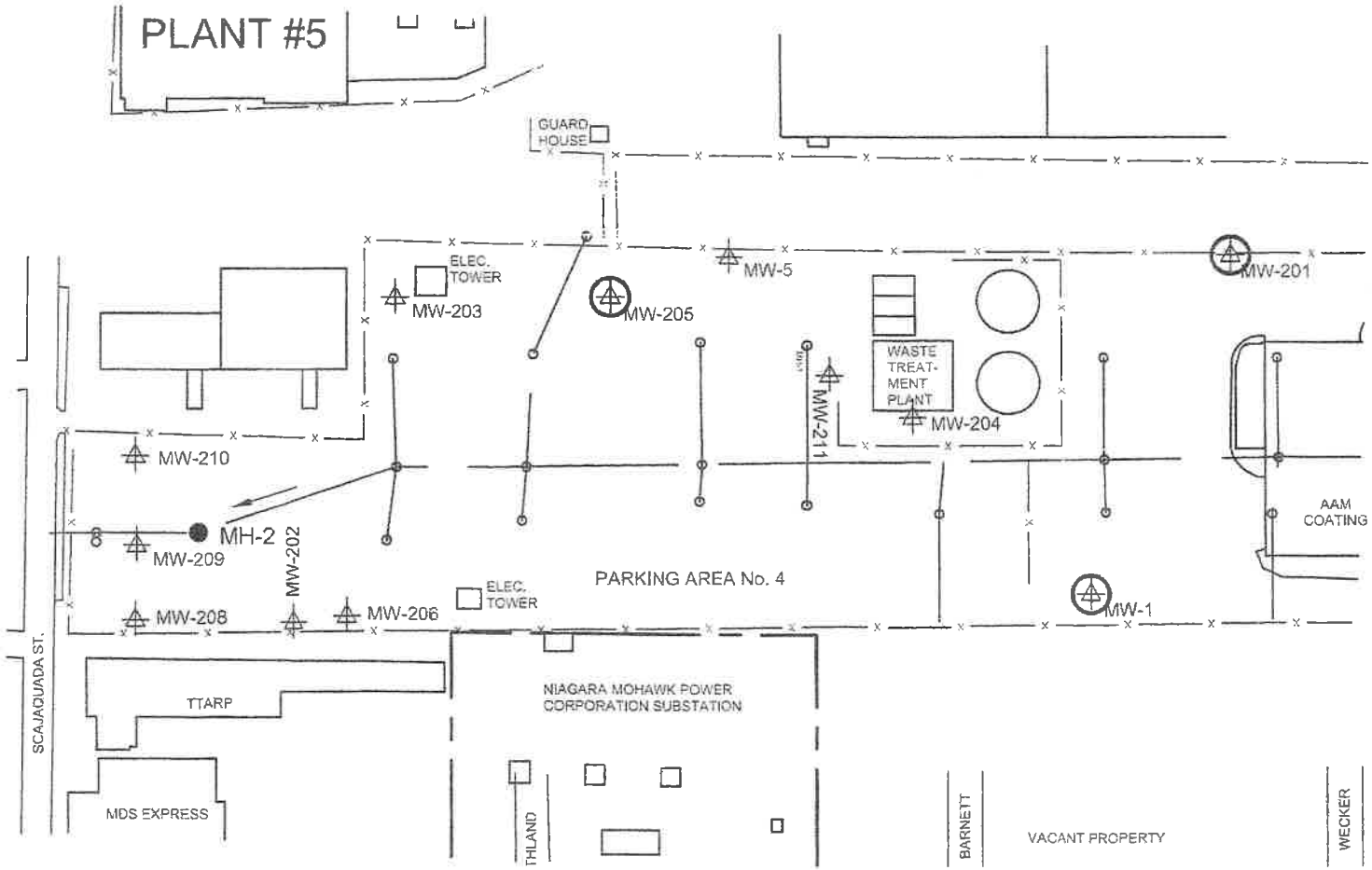


figure 1.1

FACILITY LAYOUT
LOCATIONS OF OU1 AND OU2
FORMER GM SAGINAW DELAVAN FACILITY
Buffalo, New York

12635-70(017)GN-NF001 JUN 25/2007



SOURCE: EMCON - MONITORING WELL LOCATIONS

LEGEND

- LONG-TERM GROUNDWATER MONITORING WELL
- LONG-TERM SEWER SAMPLING POINT
- MONITORING WELL REMOVED FROM LONG-TERM PROGRAM APRIL 2004

0 100 200ft

figure 2.1

MONITORING LOCATIONS
FORMER GM SAGINAW DELAVAN FACILITY
Buffalo, New York

12635-70(017)GN-NF002 JUN 25/2007

LIST OF TABLES

TABLE 1: MONITORING WELL FIELD INFORMATION SUMMARY

TABLE 2 MONITORING LOCATIONS – LATITUDE/LONGITUDE

TABLE 3 MONITORING WELL INSPECTION SUMMARY

TABLE 4 MONITORING WELL SAMPLE ANALYSIS SUMMARY

TABLE 5 STORM SEWER ANALYTICAL RESULTS SUMMARY

TABLE 1: MONITORING WELL FIELD INFORMATION SUMMARY

TABLE I OSC - EAST DELAVAN PROPERTY FIELD INFORMATION

SAMPLE ID #	SAMPLE DATE	SAMPLE TIME	SAMPLE METH. -SEE- NOTE	DEPTH TO WATER (FT)	DEPTH TO BOTTOM (FT)	pH (S.U.)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURB. (NTU)	eH (ppm)	SAMPLE APPEARANCE
MW - 5	11/29/17	11:14	1	5.33	11.72	7.17	1009	14.9	6.03	+2.9	CLEAR
MW - 202	11/29/17	12:23	1	3.99	7.72	6.85	569	12.5	18.70	+18.5	CLEAR-TAN TINT
MW - 203	11/29/17	10:57	1	1.97	9.23	7.34	857	11.9	7.62	-5.4	CLEAR
MW - 204	11/29/17	11:47	1	2.59	7.27	7.36	733	11.2	25.80	-6.6	CLEAR-TAN TINT
MW - 206	11/29/17	12:06	1	4.19	10.12	6.78	1252	12.6	4.78	+22.1	CLEAR
MW - 208	11/29/17	12:38	1	4.30	7.27	6.83	1670	12.7	45.80	+19.4	CLEAR-TAN TINT
MW - 209	11/29/17	12:54	1	2.74	5.66	7.15	686	12.9	12.30	+3.8	CLEAR-TAN TINT
MW - 210	11/29/17	10:40	1	4.60	5.78	7.30	534	14.5	27.20	-3.9	CLEAR-TAN TINT
MW - 211	11/29/17	11:31	1	2.59	8.67	7.31	1042	14.0	30.40	-4.4	CLEAR-TAN TINT
MH-2	11/29/17	10:20	2	NA	NA	7.42	1083	13.7	29.30	-9.7	CLEAR-TAN TINT

SAMPLE METHOD

1-DEDICATED PVC BAILER

2-DIP SAMPLE BOTTLE

NS - DRY - NOT SAMPLED

TABLE 2: MONITORING LOCATIONS – LATITUDE/LONGITUDE

EDP Parking Lot 4

Latitude - Longitude Data for Monitoring Wells/Manhole-2

	Latitude		Longitude		
Wells/Manhole	**DMS**	**Decimal**	**DMS**	**Decimal**	*Longitude*
Upgradient Wells					
MW-204	N 42°55.168'	42.919460	W078°49.058'	78.817633	3.4800
MW-206	N 42°55.074'	42.917900	W078°49.011'	78.816580	0.6600
Downgradient Wells					
MW-5	N 42°55.140'	42.918900	W078°49.089'	78.816580	5.3400
MW-202	N 42°55.064'	42.917733	W078°49.010'	78.816833	0.6000
MW-203	N 42°55.081'	42.918016	W078°49.081'	78.818016	4.8600
MW-208	N 42°55.037'	42.917283	W078°49.010'	78.816833	0.6000
MW-209	N 42°55.037'	42.917283	W078°49.025'	78.817083	1.5000
MW-210	N 42°55.037'	42.917200	W078°49.047'	78.817450	2.8200
MW-211	N 42°55.155'	42.919250	W078°49.062'	78.817700	3.7200
Downgradient Manhole					
MH-2	N 42°55.047'	42.917450	W078°49.029'	78.817150	1.7400

TABLE 3: MONITORING WELL INSPECTION SUMMARY

2017 Monitoring Well Well Inspection Form:

	MW - 1	MW - 5	MW - 201	MW - 202	MW - 203	MW - 205	MW - 206	MW - 208	MW - 209	MW - 210	MW - 211
Protective casing in good condition	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes
Flush mount casing in good condition	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes
Casings Labeled	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes
Concrete surface seal in good condition	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes
Protective pad in good condition	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes
Locks present	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes
Locks in good Condition	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes
Riser in good condition	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes
J - plugs present	Removed	Yes	Removed	Yes	Yes	Removed	Yes	Yes	Yes	Yes	Yes

TABLE 4: MONITORING SAMPLE ANALYSIS SUMMARY

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 4

Client Sample ID: MW-5
Lab Sample ID: 480-128117-2
Date Collected: 11/29/17 11:14
Date Received: 11/29/2017 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1221	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1232	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1242	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1248	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1254	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1260	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 14:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0060	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 21:21	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0069	J	0.010	0.0030	mg/L	11/30/2017 9:00	12/7/2017 21:29	1

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 4

Client Sample ID: MW-202
Lab Sample ID: 480-128117-2
Date Collected: 11/29/17 12:23
Date Received: 11/29/17 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:13	1
PCB-1221	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:13	1
PCB-1232	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:13	1
PCB-1242	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:13	1
PCB-1248	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:13	1
PCB-1254	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 15:13	1
PCB-1260	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 15:13	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0044	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 21:25	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	ND		0.010	0.0030	mg/L	11/30/2017 9:00	12/7/2017 21:33	1

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 4

Client Sample ID: DUP@MW-203
Lab Sample ID: 480-128117-10
Date Collected: 11/29/17 10:59
Date Received: 11/29/17 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1221	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1232	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1242	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1248	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1254	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 14:57	1
PCB-1260	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 14:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0042	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 21:28	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0045	J	0.010	0.0030	mg/L	11/30/2017 9:00	12/7/2017 22:01	1

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 4

Client Sample ID: MW-204
Lab Sample ID: 480-128117-4
Date Collected: 11/29/17 11:47
Date Received: 11/29/17 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:45	1
PCB-1221	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:45	1
PCB-1232	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:45	1
PCB-1242	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:45	1
PCB-1248	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 15:45	1
PCB-1254	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 15:45	1
PCB-1260	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 15:45	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0065	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 21:32	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0034	J	0.010	0.0030	mg/L	11/30/2017 9:00	12/7/2017 22:05	1

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 4

Client Sample ID: MW-206
Lab Sample ID: 480-128117-5
Date Collected: 11/29/17 12:06
Date Received: 11/29/17 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:01	1
PCB-1221	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:01	1
PCB-1232	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:01	1
PCB-1242	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:01	1
PCB-1248	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:01	1
PCB-1254	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 16:01	1
PCB-1260	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 16:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0028	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 21:36	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0066	J	0.010	0.0030	mg/L	11/30/2017 9:00	12/7/2017 22:08	1

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 6

Client Sample ID: MW-208
Lab Sample ID: 480-128117-6
Date Collected: 11/29/17 12:38
Date Received: 11/29/17 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:17	1
PCB-1221	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:17	1
PCB-1232	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:17	1
PCB-1242	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:17	1
PCB-1248	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:17	1
PCB-1254	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 16:17	1
PCB-1260	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 16:17	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0016	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 21:39	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	ND		0.010	0.0030	mg/L	11/30/2017 9:00	12/7/2017 22:12	1

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 4

Client Sample ID: MW-209
Lab Sample ID: 480-128117-7
Date Collected: 11/29/17 12:54
Date Received: 11/29/17 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:33	1
PCB-1221	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:33	1
PCB-1232	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:33	1
PCB-1242	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:33	1
PCB-1248	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:33	1
PCB-1254	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 16:33	1
PCB-1260	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 16:33	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0079	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 21:43	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0033	J	0.010	0.0030	mg/L	11/30/2017 9:00	12/7/2017 22:15	1

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 4

Client Sample ID: MW-210
Lab Sample ID: 480-128117-8
Date Collected: 11/29/17 10:40
Date Received: 11/29/17 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:49	1
PCB-1221	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:49	1
PCB-1232	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:49	1
PCB-1242	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:49	1
PCB-1248	ND	0.50	0.18	ug/L	11/30/17 7:47	12/1/2017 16:49	1
PCB-1254	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 16:49	1
PCB-1260	ND	0.50	0.25	ug/L	11/30/17 7:47	12/1/2017 16:49	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0049	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 21:57	1

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0039	J	0.010	0.0030	mg/L	11/30/2017 9:00	12/7/2017 22:19	1

TABLE 5: STORM SEWER ANALYTICAL RESULTS SUMMARY

Sample Results
East Delavan Property, LLC
Saginaw-Buffalo Site No. 915152 - Parking Lot 4

Client Sample ID: MH#2
Lab Sample ID: 480-128117-12
Date Collected: 11/29/17 10:20
Date Received: 11/29/17 13:50
Matrix: Water

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
PCB-1016	ND	0.240	0.150	ug/L	11/30/17 14:44	12/4/2017 20:57	1
PCB-1221	ND	0.240	0.150	ug/L	11/30/17 14:44	12/4/2017 20:57	1
PCB-1232	ND	0.240	0.150	ug/L	11/30/17 14:44	12/4/2017 20:57	1
PCB-1242	ND	0.240	0.150	ug/L	11/30/17 14:44	12/4/2017 20:57	1
PCB-1248	ND	0.240	0.150	ug/L	11/30/17 14:44	12/4/2017 20:57	1
PCB-1254	ND	0.240	0.150	ug/L	11/30/17 14:44	12/4/2017 20:57	1
PCB-1260	ND	0.240	0.150	ug/L	11/30/17 14:44	12/4/2017 20:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	Prepared	Analyzed	Dil Fac
Lead	0.0030	J	0.010	0.0030	mg/L	11/30/2017 9:00	11/30/2017 22:11	1

LIST OF APPENDICES

APPENDIX A

ANNUAL INSPECTION FORM

FIGURE 2: PAVEMENT INSPECTION MAP

APPENDIX B

ES&S SAMPLING FIELD REPORT

GROUNDWATER MONITORING FIELD FORMS

APPENDIX C

NYSDEC EDD 480-128117-1_EQUNYSDEC

TEST AMERICA EDD FILE

APPENDIX D

NYSDEC SITE MANAGEMENT PERIODIC REVIEW REPORT (PRR)

APPENDIX A

ANNUAL INSPECTION FORM

FIGURE 2: PAVEMENT INSPECTION MAP

Saginaw-Buffalo Site

2017 Annual Inspection Form

Paved Area (see damaged areas on the following site map)

1. Cracked Areas	Yes	X[1]	No _____
2. Settled Areas	Yes	_____	No X
3. Potholes	Yes	_____	No X
4. Heaving	Yes	_____	No X
5. Plow Damage	Yes	_____	No X
6. Drainage	Yes	_____	No X
7. Surface Sealing Condition	Yes	_____	No X

NOTES: [1] Some minor surficial cracking along paving seams

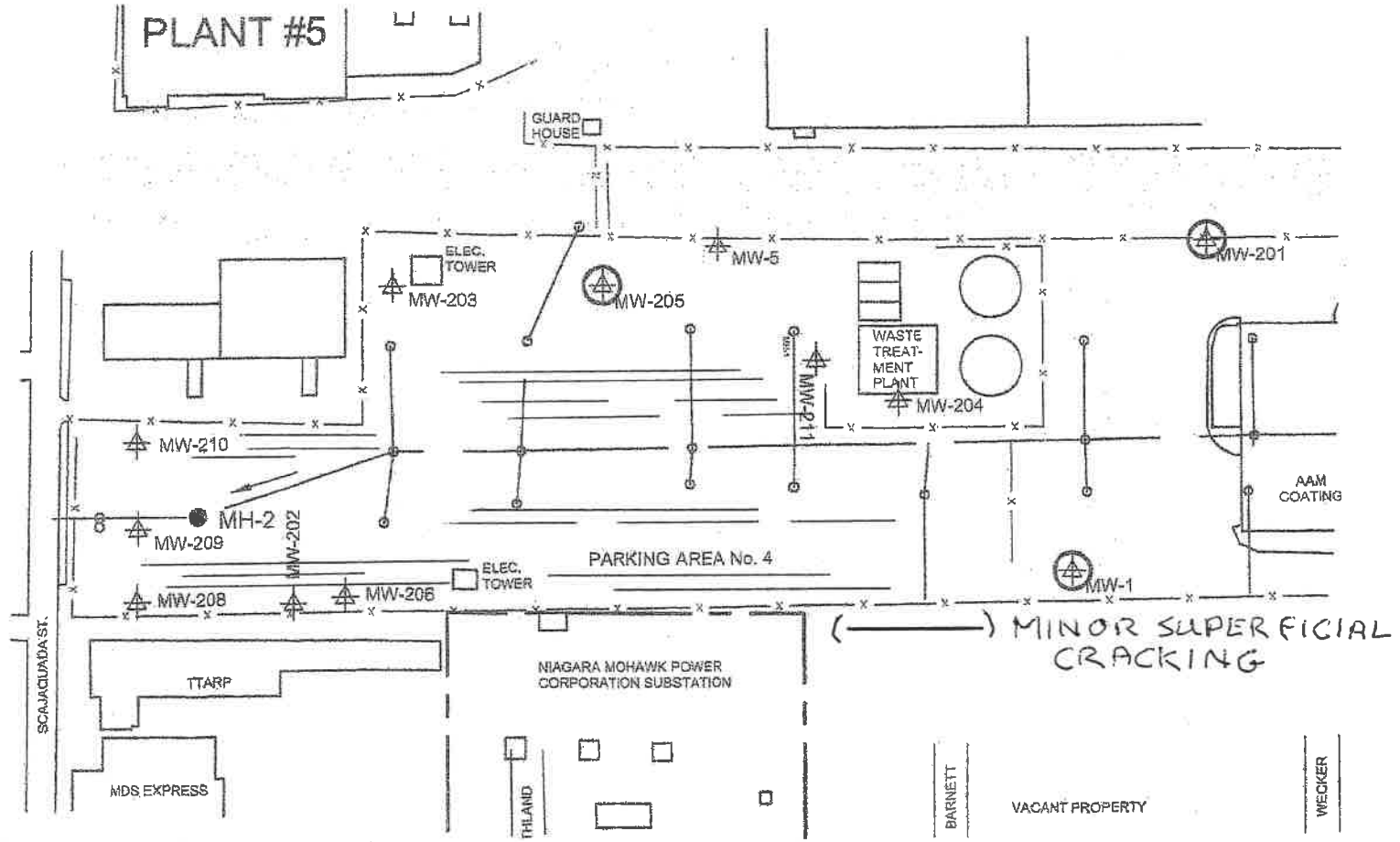
Storm Sewers

1. Condition of Manhole Risers Good X[2] Poor _____

Notes: [1] Collapse of the MH/Trap/discharge receiver at the far south margin of the site was observed during the December 31, 2016 inspection. The structure was removed and a replaced with a new receiver during the week of May 16, 2016.

2. Sediment Main None X 1 in. to 4 in. _____ > 4 in. _____

Notes: _____



SOURCE: EMCON - MONITORING WELL LOCATIONS

LEGEND

- LONG-TERM GROUNDWATER MONITORING WELL
- LONG-TERM SEWER SAMPLING POINT
- MONITORING WELL REMOVED FROM LONG-TERM PROGRAM APRIL 2004

0 100 200ft

figure 2

2017 PAVEMENT INSPECTION 01/22/18

FORMER GM SAGINAW DELAVAN FACILITY

Buffalo, New York

12635-70(017)GN-NF002 JUN 25/2007

2016 CRACK FILLING

2016 ASPHALT

APPENDIX B

ES&S SAMPLING FIELD REPORT

GROUNDWATER MONITORING FIELD FORMS

FIELD REPORT

SAMPLING OF GROUNDWATER MONITORING WELLS AND STORM SEWER MANHOLE OSC-EAST DELAVAN PROPERTY, LLC PARKING LOT 4 BUFFALO, NEW YORK

NOVEMBER 2017

PREPARED FOR:

COMPCO OF WNY, INC.
3667 LOWER RIVER ROAD
YOUNGSTOWN, NEW YORK 14174-9700
ATTENTION: MR. VINCE GRANDINETTI

PREPARED BY:

ENVIRONMENTAL SAMPLING & SERVICES, INC.
7183 BALLA DRIVE
NORTH TONAWANDA, NEW YORK 14120

1.0 INTRODUCTION

This report describes the sampling of nine (9) groundwater monitoring wells and one (1) storm sewer manhole at the OSC-East Delavan property located in Buffalo, New York. Sampling was performed November 29, 2017, by Environmental Sampling & Services, Inc. (ES & S) personnel.

2.0 METHODOLOGIES

2.1 Water Level Measurements

Static water levels of all nine (9) groundwater wells were measured from the top of the well casing/riser, with a weighted electronic water level indicator (QED). Well bottoms were sounded with the same electronic water level indicator in the off mode. All measurements were recorded to the nearest hundredth of a foot (0.01 feet). The length of the measuring device, which contacted the water, was cleaned between wells with liquinox, deionized water rinse and paper towel wipe. The data for the wells sampled is presented on Table I and on the field observation forms.

2.2 Well Evacuation

Prior to evacuation, the volume of standing water was calculated by subtracting the depth to groundwater from the bottom of the well depth and multiplying that number by a constant for the corresponding size well. V=H (.16) – 2 inch well, V=H (.36) – 3 inch well, V=H (.65) – 4 inch well, where H is the height of the water column and .16, .36, and .65 are volumetric constants.

Prior to sampling, three (3) times the standing water volume was purged from each well which exhibited a moderate to high recharge. Wells, which exhibited a low recharge rate, were evacuated to dryness. The wells were evacuated using dedicated poly-vinyl chloride (PVC) bailers. Data pertaining to each evacuation is presented on the Field Observation Forms.

3.0 SAMPLING

3.1 Monitoring Wells

After well purging, a second depth to water level measurement was taken at each well to insure there was sufficient recharge.

Wells were sampled using the dedicated PVC bailers. The bailer was slowly lowered into the water volume, to minimize agitation and devolatization. Sample containers were then filled directly from the bailer.

An additional sample was collected from each well in order to facilitate the measurement of field parameters.

3.2 Storm Sewer Manhole

One (1) storm sewer manholes was sampled. MH-2 was sampled using a clean, plastic 1 gallon bottle. The bottle as slowly lowered into the manhole to minimize agitation. Sample containers were then filled directly from the bottle.

An additional sample was collected from each storm sewer manhole in order to facilitate the measurement of field parameters

4.0 FIELD MEASUREMENT

On site field measurements include pH, specific conductivity, temperature, eH, and turbidity. This data is presented on Table I and the Field Observation Forms.

All instruments, which contacted groundwater, were cleaned after each measurement by rinsing with deionized water and wiping dry with paper towels.

5.0 EQUIPMENT CALIBRATION

Prior to mobilization, all field equipment and instrumentation were checked for condition. In field calibrations were done before field measurements were facilitated. Calibration checks were done twice a day, recalibration of field instruments were performed if necessary.

- pH / eH meters were two-point calibrated with either; 4.00 S.U. and 7.00 S.U. or 7.00 S.U. and 10.00 S.U. buffer solutions.

- Conductivity meters were two-point calibrated with 147 and 1000 umhos/cm buffer solutions.

- Turbidity meters were two-point calibrated with 1.0 NTU and 10.0 NTU standards.

6.0 SAMPLE CONTAINER PREPARATION

All containers used in the collection of samples for this project were provided new and clean from Test America Labs. These bottles were shipped to and stored in a clean environment at ES&S prior to their use.

7.0 QUALITY ASSURANCE / QUALITY CONTROL

7.1 Field Duplicate

A field duplicate was collected at a frequency of one (1) per sampling event. It consisted of a set of all parameters and was obtained at the same time a well was being sampled.

7.2 Field Blank

A field blank was collected at a frequency of one (1) per sampling event. It consisted of filling the sample containers with laboratory supplied deionized water in the field after it was poured into the clean, unused 1 gallon bottle used to sample the manhole. The field blank was collected for the full list of parameters and submitted to Test America for analysis.

8.0 SAMPLE CONTROL AND CHAIN OF CUSTODY

Sample containers were labeled with the following information:

- Project Number
- Sample Location
- Initials of Individual Collecting Samples
- Date / Time

A chain of custody manifest was initiated at the time of sample collection and accompanied the samples through delivery to Test America.

TABLE I OSC - EAST DELAVAN PROPERTY FIELD INFORMATION

SAMPLE ID #	SAMPLE DATE	SAMPLE TIME	SAMPLE METH. -SEE- NOTE	DEPTH TO WATER (FT)	DEPTH TO BOTTOM (FT)	pH (S.U.)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURB. (NTU)	eH (ppm)	SAMPLE APPEARANCE
MW - 5	11/29/17	11:14	1	5.33	11.72	7.17	1009	14.9	6.03	+2.9	CLEAR
MW - 202	11/29/17	12:23	1	3.99	7.72	6.85	569	12.5	18.70	+18.5	CLEAR-TAN TINT
MW - 203	11/29/17	10:57	1	1.97	9.23	7.34	857	11.9	7.62	-5.4	CLEAR
MW - 204	11/29/17	11:47	1	2.59	7.27	7.36	733	11.2	25.80	-6.6	CLEAR-TAN TINT
MW - 206	11/29/17	12:06	1	4.19	10.12	6.78	1252	12.6	4.78	+22.1	CLEAR
MW - 208	11/29/17	12:38	1	4.30	7.27	6.83	1670	12.7	45.80	+19.4	CLEAR-TAN TINT
MW - 209	11/29/17	12:54	1	2.74	5.66	7.15	686	12.9	12.30	+3.8	CLEAR-TAN TINT
MW - 210	11/29/17	10:40	1	4.60	5.78	7.30	534	14.5	27.20	-3.9	CLEAR-TAN TINT
MW - 211	11/29/17	11:31	1	2.59	8.67	7.31	1042	14.0	30.40	-4.4	CLEAR-TAN TINT
MH-2	11/29/17	10:20	2	NA	NA	7.42	1083	13.7	29.30	-9.7	CLEAR-TAN TINT

SAMPLE METHOD

1-DEDICATED PVC BAILER

2-DIP SAMPLE BOTTLE

NS - DRY - NOT SAMPLED

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 **POINT ID:** MH - 2

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - B.CHIODO

SAMPLE MATRIX: STORMWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) _____ DEPTH TO BOTTOM (FEET) _____

ELEVATION, MEAS.PT.(MSL): _____ ELEVATION, G/W (MSL): _____

DATE _____ TIME: START/FINISH _____ / _____

SHEEN PRESENT: ( ) YES ( ) NO OIL LAYER: ( ) YES ( ) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) _____ WAS WELL PURGED TO DRYNESS ( ) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) _____ WATER LEVEL AFTER PURGE (FT.) _____

TURBIDITY OF PURGINGS : START _____ FINISH _____

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
	NA	0					
	NA	1					
	NA	2					
	NA	3					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 10:20 WATER LEVEL PRIOR TO SAMLING (FT.) NA

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
10:22	7.42	1083	13.7	29.30	-9.7	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 2

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 210**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 4.60 DEPTH TO BOTTOM (FEET) 5.78

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:48 / 7:55

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.19 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 0.75 WATER LEVEL AFTER PURGE (FT.) 5.45

TURBIDITY OF PURGINGS : START CLEAR FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:48	NA	0	13.6	7.47	508	8.42	-12.1
7:50	NA	1	13.8	7.45	520	49.10	-11.1
7:52	NA	2	13.8	7.44	558	105.10	-10.6
7:55	NA	3	14.0	7.44	566	120.60	-10.5

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 10:40 WATER LEVEL PRIOR TO SAMLING (FT.) 4.76

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
10:42	7.30	534	14.5	27.20	-3.9	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45°F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 3

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 203**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 1.97 DEPTH TO BOTTOM (FEET) 9.23

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 8:10 / 8:20

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 1.16 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.50 WATER LEVEL AFTER PURGE (FT.) 6.59

TURBIDITY OF PURGINGS : START CLEAR FINISH CLEAR - BLACK TINT

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
8:10	NA	0	10.4	7.35	509	10.30	-5.9
8:13	NA	1	11.5	7.32	725	29.80	-3.9
8:16	NA	2	11.9	7.28	850	46.20	-2.5
8:20	NA	3	12.1	7.27	868	14.90	-2.1

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 10:57 + 10:59 WATER LEVEL PRIOR TO SAMLING (FT.) 2.15

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
11:01	7.34	857	11.9	7.62	-5.4	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: Sunny, 45 °F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: DUP TAKEN (#5 @ 10:59)

SAMPLE COLLECTION NUMBER 4 + 5

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 POINT ID: MW - 5

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 5.33 DEPTH TO BOTTOM (FEET) 11.72

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 8:34 , 8:43

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 1.02 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.50 WATER LEVEL AFTER PURGE (FT.) 10.06

TURBIDITY OF PURGINGS : START CLEAR FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
8:34	NA	0	14.5	7.08	1746	6.82	+7.1
8:37	NA	1	15.5	7.06	2100	42.50	+8.7
8:40	NA	2	15.8	7.05	2500	102.50	+9.1
8:43	NA	3	16.1	7.04	2700	122.30	+9.4

SAMPLING INFORMATION

DATE / TIME 11-29-17/ 11:14 WATER LEVEL PRIOR TO SAMLING (FT.) 5.58

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
11:16	7.17	1009	14.9	6.03	+2.9	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: _____

SAMPLE COLLECTION NUMBER 6

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 POINT ID: MW - 211

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION
INITIAL WATER LEVEL (FEET) 2.59 DEPTH TO BOTTOM (FEET) 8.67

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 8:56 / 9:05

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.97 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.00 WATER LEVEL AFTER PURGE (FT.) 4.18

TURBIDITY OF PURGINGS : START TURBID-TAN FINISH TURBID-TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
8:56	NA	0	14.2	7.38	1056	72.80	-7.9
8:59	NA	1	14.1	7.36	1052	92.30	-6.5
9:02	NA	2	14.1	7.36	1051	115.10	-6.4
9:05	NA	3	13.9	7.34	1047	129.80	-5.6

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 11:31 WATER LEVEL PRIOR TO SAMLING (FT.) 2.66

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
11:33	7.31	1042	14.0	30.40	-4.4	NA	NA

GENERAL INFORMATION
WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 7

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 POINT ID: MW - 204

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 2.59 DEPTH TO BOTTOM (FEET) 7.27

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 9:16 / 9:25

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.75 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.00 WATER LEVEL AFTER PURGE (FT.) 3.92

TURBIDITY OF PURGINGS : START TURBID - TAN FINISH CLEAR - TAN TINT

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
9:16	NA	0	11.1	7.34	847	142.00	-5.4
9:19	NA	1	11.4	7.36	795	78.00	-6.4
9:22	NA	2	11.5	7.38	762	39.60	-7.3
9:25	NA	3	11.6	7.38	758	23.20	-7.4

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 11:47 WATER LEVEL PRIOR TO SAMLING (FT.) 2.64

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
11:49	7.36	733	11.2	25.80	-6.6	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 8

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 206**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 4.19 DEPTH TO BOTTOM (FEET) 10.12

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 9:39 / 9:48

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.95 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.00 WATER LEVEL AFTER PURGE (FT.) 6.26

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH CLEAR - TAN TINT

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
9:39	NA	0	12.7	6.98	903	9.76	+12.2
9:42	NA	1	12.8	6.84	1120	25.10	+19.6
9:45	NA	2	12.8	6.79	1240	46.80	+21.4
9:48	NA	3	12.8	6.77	1261	28.30	+22.3

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:06 WATER LEVEL PRIOR TO SAMLING (FT.) 4.46

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:08	6.78	1252	12.6	4.78	+22.1	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: _____

SAMPLE COLLECTION NUMBER 9

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 202**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 3.99 DEPTH TO BOTTOM (FEET) 7.72

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:04 , 7:10

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.59 WAS WELL PURGED TO DRYNESS (X) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) 1.00 TO DRY WATER LEVEL AFTER PURGE (FT.) DRY

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH TURBID - BROWN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:04	NA	0	13.0	7.35	174.1	23.30	-6.3
7:07	NA	1	13.0	7.15	310	120.00	+4.1
7:10	NA	2	13.0	7.09	352	>200	+6.6
	~~NA~~	~~3~~					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:23 WATER LEVEL PRIOR TO SAMLING (FT.) 4.86

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:25	6.85	569	12.5	18.70	+18.5	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45°F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 10

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 **POINT ID:** MW - 208

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 4.30 DEPTH TO BOTTOM (FEET) 5.63

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:25 , 7:28

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.21 WAS WELL PURGED TO DRYNESS (X) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) 0.25 To DRY WATER LEVEL AFTER PURGE (FT.) DRY

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:25	NA	0	13.9	7.67	1782	16.30	-21.8
7:28	NA	1	13.1	7.20	1769	88.20	+1.3
	~~NA~~	~~2~~					
	~~NA~~	~~3~~					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:38 WATER LEVEL PRIOR TO SAMLING (FT.) 4.66

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:40	6.83	1670	12.7	45.80	+19.4	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45°F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 11

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 209**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 2.74 DEPTH TO BOTTOM (FEET) 5.66

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:36 / 7:41

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.47 WAS WELL PURGED TO DRYNESS (X) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) 1.00 TO DRY WATER LEVEL AFTER PURGE (FT.) DRY

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:36	NA	0	12.4	7.84	369	19.20	-30.0
7:38	NA	1	13.1	7.70	482	29.30	-24.1
7:41	NA	2	13.3	7.64	522	49.60	-20.4
	~~NA~~	~~3~~					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:54 WATER LEVEL PRIOR TO SAMLING (FT.) 4.10

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:56	7.15	686	12.9	12.30	+3.8	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING:. SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 12

TABLE I OSC - EAST DELAVAN PROPERTY FIELD INFORMATION

SAMPLE ID #	SAMPLE DATE	SAMPLE TIME	SAMPLE METH. -SEE- NOTE	DEPTH TO WATER (FT)	DEPTH TO BOTTOM (FT)	pH (S.U.)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURB. (NTU)	eH (ppm)	SAMPLE APPEARANCE
MW - 5	11/29/17	11:14	1	5.33	11.72	7.17	1009	14.9	6.03	+2.9	CLEAR
MW - 202	11/29/17	12:23	1	3.99	7.72	6.85	569	12.5	18.70	+18.5	CLEAR-TAN TINT
MW - 203	11/29/17	10:57	1	1.97	9.23	7.34	857	11.9	7.62	-5.4	CLEAR
MW - 204	11/29/17	11:47	1	2.59	7.27	7.36	733	11.2	25.80	-6.6	CLEAR-TAN TINT
MW - 206	11/29/17	12:06	1	4.19	10.12	6.78	1252	12.6	4.78	+22.1	CLEAR
MW - 208	11/29/17	12:38	1	4.30	7.27	6.83	1670	12.7	45.80	+19.4	CLEAR-TAN TINT
MW - 209	11/29/17	12:54	1	2.74	5.66	7.15	686	12.9	12.30	+3.8	CLEAR-TAN TINT
MW - 210	11/29/17	10:40	1	4.60	5.78	7.30	534	14.5	27.20	-3.9	CLEAR-TAN TINT
MW - 211	11/29/17	11:31	1	2.59	8.67	7.31	1042	14.0	30.40	-4.4	CLEAR-TAN TINT
MH-2	11/29/17	10:20	2	NA	NA	7.42	1083	13.7	29.30	-9.7	CLEAR-TAN TINT

SAMPLE METHOD

1-DEDICATED PVC BAILER

2-DIP SAMPLE BOTTLE

NS - DRY - NOT SAMPLED

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 **POINT ID:** MW - 5

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 5.33 DEPTH TO BOTTOM (FEET) 11.72

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 8:34 , 8:43

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 1.02 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.50 WATER LEVEL AFTER PURGE (FT.) 10.06

TURBIDITY OF PURGINGS : START CLEAR FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
8:34	NA	0	14.5	7.08	1746	6.82	+7.1
8:37	NA	1	15.5	7.06	2100	42.50	+8.7
8:40	NA	2	15.8	7.05	2500	102.50	+9.1
8:43	NA	3	16.1	7.04	2700	122.30	+9.4

SAMPLING INFORMATION

DATE / TIME 11-29-17/ 11:14 WATER LEVEL PRIOR TO SAMLING (FT.) 5.58

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
11:16	7.17	1009	14.9	6.03	+2.9	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: _____

SAMPLE COLLECTION NUMBER 6

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 **POINT ID:** MW - 202

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 3.99 DEPTH TO BOTTOM (FEET) 7.72

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:04 , 7:10

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.59 WAS WELL PURGED TO DRYNESS (X) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) 1.00 To Dry WATER LEVEL AFTER PURGE (FT.) DRY

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH TURBID - BROWN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:04	NA	0	13.0	7.35	174.1	23.30	-6.3
7:07	NA	1	13.0	7.15	310	120.00	+4.1
7:10	NA	2	13.0	7.09	352	>200	+6.6
	~~NA~~	~~0~~					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:23 WATER LEVEL PRIOR TO SAMLING (FT.) 4.86

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:25	6.85	569	12.5	18.70	+18.5	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45°F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 10

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 203**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 1.97 DEPTH TO BOTTOM (FEET) 9.23

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 8:10 / 8:20

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 1.16 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.50 WATER LEVEL AFTER PURGE (FT.) 6.59

TURBIDITY OF PURGINGS : START CLEAR FINISH CLEAR - BLACK TINT

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
8:10	NA	0	10.4	7.35	509	10.30	-5.9
8:13	NA	1	11.5	7.32	725	29.80	-3.9
8:16	NA	2	11.9	7.28	850	46.20	-2.5
8:20	NA	3	12.1	7.27	868	14.90	-2.1

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 10:57 + 10:59 WATER LEVEL PRIOR TO SAMLING (FT.) 2.15

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
11:01	7.34	857	11.9	7.62	-5.4	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: Sunny, 45 °F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: DUP TAKEN (#5 @ 10:59)

SAMPLE COLLECTION NUMBER 4 + 5

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 **POINT ID:** MW - 204

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 2.59 DEPTH TO BOTTOM (FEET) 7.27

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 9:16 , 9:25

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.75 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.00 WATER LEVEL AFTER PURGE (FT.) 3.92

TURBIDITY OF PURGINGS : START TURBID - TAN FINISH CLEAR - TAN TINT

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
9:16	NA	0	11.1	7.34	847	142.00	-5.4
9:19	NA	1	11.4	7.36	795	78.00	-6.4
9:22	NA	2	11.5	7.38	762	39.60	-7.3
9:25	NA	3	11.6	7.38	758	23.20	-7.4

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 11:47 WATER LEVEL PRIOR TO SAMLING (FT.) 2.64

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
11:49	7.36	733	11.2	25.80	-6.6	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 8

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 POINT ID: MW - 206

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 4.19 DEPTH TO BOTTOM (FEET) 10.12

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 9:39 / 9:48

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.95 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.00 WATER LEVEL AFTER PURGE (FT.) 6.26

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH CLEAR - TAN TINT

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
9:39	NA	0	12.7	6.98	903	9.76	+12.2
9:42	NA	1	12.8	6.84	1120	25.10	+19.6
9:45	NA	2	12.8	6.79	1240	46.80	+21.4
9:48	NA	3	12.8	6.77	1261	28.30	+22.3

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:06 WATER LEVEL PRIOR TO SAMLING (FT.) 4.46

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:08	6.78	1252	12.6	4.78	+22.1	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR

COMMENTS: _____

SAMPLE COLLECTION NUMBER 9

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 **POINT ID:** MW - 208

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 4.30 DEPTH TO BOTTOM (FEET) 5.63

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:25 , 7:28

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.21 WAS WELL PURGED TO DRYNESS (X) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) 0.25 To DRY WATER LEVEL AFTER PURGE (FT.) DRY

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:25	NA	0	13.9	7.67	1782	16.30	-21.8
7:28	NA	1	13.1	7.20	1769	88.20	+1.3
	~~NA~~	~~2~~					
	~~NA~~	~~3~~					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:38 WATER LEVEL PRIOR TO SAMLING (FT.) 4.66

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:40	6.83	1670	12.7	45.80	+19.4	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45°F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 11

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 209**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 2.74 DEPTH TO BOTTOM (FEET) 5.66

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:36 / 7:41

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.47 WAS WELL PURGED TO DRYNESS (X) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) 1.00 TO DRY WATER LEVEL AFTER PURGE (FT.) DRY

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:36	NA	0	12.4	7.84	369	19.20	-30.0
7:38	NA	1	13.1	7.70	482	29.30	-24.1
7:41	NA	2	13.3	7.64	522	49.60	-20.4
	~~NA~~	~~3~~					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:54 WATER LEVEL PRIOR TO SAMLING (FT.) 4.10

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:56	7.15	686	12.9	12.30	+3.8	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 12

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 210**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 4.60 DEPTH TO BOTTOM (FEET) 5.78

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:48 / 7:55

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.19 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 0.75 WATER LEVEL AFTER PURGE (FT.) 5.45

TURBIDITY OF PURGINGS : START CLEAR FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:48	NA	0	13.6	7.47	508	8.42	-12.1
7:50	NA	1	13.8	7.45	520	49.10	-11.1
7:52	NA	2	13.8	7.44	558	105.10	-10.6
7:55	NA	3	14.0	7.44	566	120.60	-10.5

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 10:40 WATER LEVEL PRIOR TO SAMLING (FT.) 4.76

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
10:42	7.30	534	14.5	27.20	-3.9	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 3

FIELD INFORMATION LOG

SITE NAME: **EDP-PARKING LOT 4** POINT ID: **MW - 211**

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 2.59 DEPTH TO BOTTOM (FEET) 8.67

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 8:56 / 9:05

SHEEN PRESENT: ( ) YES (x) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.97 WAS WELL PURGED TO DRYNESS ( ) YES (X) NO

TOTAL VOLUME EVACUATED (GAL) 3.00 WATER LEVEL AFTER PURGE (FT.) 4.18

TURBIDITY OF PURGINGS : START TURBID-TAN FINISH TURBID-TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
8:56	NA	0	14.2	7.38	1056	72.80	-7.9
8:59	NA	1	14.1	7.36	1052	92.30	-6.5
9:02	NA	2	14.1	7.36	1051	115.10	-6.4
9:05	NA	3	13.9	7.34	1047	129.80	-5.6

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 11:31 WATER LEVEL PRIOR TO SAMLING (FT.) 2.66

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
11:33	7.31	1042	14.0	30.40	-4.4	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 7

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 **POINT ID:** MH - 2

LOCATION: BUFFALO, NEW YORK **FIELD REPRESENTATIVE:** E S & S - B.CHIODO

SAMPLE MATRIX: STORMWATER **LAB SAMPLE / PROJECT #:** NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) _____ DEPTH TO BOTTOM (FEET) _____

ELEVATION, MEAS.PT.(MSL): _____ ELEVATION, G/W (MSL): _____

DATE _____ TIME: START/FINISH _____ / _____

SHEEN PRESENT: ( ) YES ( ) NO OIL LAYER: ( ) YES ( ) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) _____ WAS WELL PURGED TO DRYNESS ( ) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) _____ WATER LEVEL AFTER PURGE (FT.) _____

TURBIDITY OF PURGINGS : START _____ FINISH _____

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
	NA	0					
	NA	1					
	NA	2					
	NA	3					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 10:20 WATER LEVEL PRIOR TO SAMLING (FT.) NA

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
10:22	7.42	1083	13.7	29.30	-9.7	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 2

FIELD INFORMATION LOG

SITE NAME: EDP-PARKING LOT 4 POINT ID: MW - 209

LOCATION: BUFFALO, NEW YORK FIELD REPRESENTATIVE: E S & S - B.CHIODO

SAMPLE MATRIX: GROUNDWATER LAB SAMPLE / PROJECT #: NA

EVACUATION INFORMATION

INITIAL WATER LEVEL (FEET) 2.74 DEPTH TO BOTTOM (FEET) 5.66

ELEVATION, MEAS.PT.(MSL): NA ELEVATION, G/W (MSL): NA

DATE 11-29-17 TIME: START/FINISH 7:36 / 7:41

SHEEN PRESENT: ( ) YES (X) NO OIL LAYER: ( ) YES (X) NO THICKNESS _____

METHOD OF EVACUATION:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

EVACUATION EQUIPMENT DEDICATED:
(X) YES ( ) NO

WELL RISER DIAMETER (IN.): (X) 2 ( ) 3 ( ) 4 ( ) 6 ( ) OTHER _____

ONE (1) RISER VOLUME (GAL) 0.47 WAS WELL PURGED TO DRYNESS (X) YES ( ) NO

TOTAL VOLUME EVACUATED (GAL) 1.00 TO DRY WATER LEVEL AFTER PURGE (FT.) DRY

TURBIDITY OF PURGINGS : START CLEAR - TAN TINT FINISH TURBID - TAN

EVACUATION STABILIZATION DATA

TIME	PURGE RATE	VOLUME	TEMP (C)	pH (SU)	SP. COND. (us/cm)	TURB (NTU)	eh (mV)
7:36	NA	0	12.4	7.84	369	19.20	-30.0
7:38	NA	1	13.1	7.70	482	29.30	-24.1
7:41	NA	2	13.3	7.64	522	49.60	-20.4
	~~NA~~	~~0~~					

SAMPLING INFORMATION

DATE / TIME 11-29-17 / 12:54 WATER LEVEL PRIOR TO SAMLING (FT.) 4.10

METHOD OF SAMPLING:
(X) PVC BAILER ( ) S.S. BAILER ( ) GRUNDFOS PUMP
( ) S.S. BAILER ( ) WELL WIZARD ( ) OTHER

SAMPLING EQUIPMENT DEDICATED:
(X) YES
( ) NO

SAMPLING FIELD MEASUREMENT DATA

TIME	pH (Std.Units)	SPEC. CONDUCT. (umhos/cm)	TEMP. (C)	TURBIDITY (NTU)	eH (mV)	DISS. OXY. (PPM)	OTHER ( )
12:56	7.15	686	12.9	12.30	+3.8	NA	NA

GENERAL INFORMATION

WEATHER CONDITIONS AT TIME OF SAMPLING: SUNNY, 45 °F

SAMPLE CHARACTERISTICS: CLEAR - TAN TINT

COMMENTS: _____

SAMPLE COLLECTION NUMBER 12

APPENDIX C

NYSDEC EDD 480-128117-1_EQUNYSDEC
Previously Provided by email – March 13, 2018

TEST AMERICA EDD FILE
Previously Provided by email – March 13, 2018

APPENDIX D

NYSDEC SITE MANAGEMENT PERIODIC REVIEW REPORT (PRR)

Enclosure 2

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Site Management Periodic Review Report Notice

Institutional and Engineering Controls Certification Form

Site Details **Box 1**

Site No. 915152

Site Name Saginaw - Buffalo

Site Address: 320 Scajaquada St. Zip Code: 14215
City/Town: Buffalo
County: Erie
Site Acreage: 8.6

Reporting Period: December 07, 2016 to December 07, 2017

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. Is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below?	X	☐
7. Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Vincent J Grandinetti — February 05, 2018

Signature of Owner, Remedial Party or Designated Representative — Date

SITE NO. 915152 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
101.24-1-3	East Delavan Property, LLC	

i) Inspection and Maintenance of Parking Lot #4.
ii) Groundwater and Sewer Monitoring according to the Operation and Maintenance Manual, dated April 2, 2001.
iii) Modification to O&M Frequency Dated January 4, 2004.
iv) Modification to O&M Frequency Dated September 22, 2008.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
101.24-1-3	Cover System

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;

   (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and

   (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES	NO
X	

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 915152

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Vincent J Grandinetti (print name) at 3667Lower River Road, Youngstown, New York 14174 (print business address)

am certifying as DESIGNATED REPRESENTATIVE (Owner or Remedial Party)

for the Site named in the Site Details Section of this form.

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification

February 05, 2018
Date

IC/EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I JOHN SCHENNE, PE at 391 WASHINGTON ST, SUITE 800 BUFFALO, NY 14203
print name print business address

am certifying as a Professional Engineer for the East Delavan Avenue Property LLC (Owner or Remedial Party)

STATE OF NEW YORK JOHN AUGUST SCHENNE No. 059307 LICENSED PROFESSIONAL ENGINEER

Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp (Required for PE)

2/5/2018
Date

IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER, IN ANY WAY, ANY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR HAS BEEN AFFIXED.

APPENDIX C

NYSDEC EDD 480-128117-1_EQUNYSDEC
Previously Provided by email – March 13, 2018

TEST AMERICA EDD FILE
Previously Provided by email – March 13, 2018