



August 23, 2021

Mr. David Neste
Wisconsin Department of Natural Resources
625 East County Road Y, Suite No. 700
Oshkosh, WI 54901-9731

**Re: Semi-Annual Remedial Status Update
Former Appleton Wire
BRRTS# 02-45-000015**

Dear Mr. Neste:

EnviroForensics, LLC (EnviroForensics) is submitting this semi-annual remedial status update to provide the Wisconsin Department of Natural Resources (Department) with additional recent data collected at the former Appleton Wire facility located at 908 N. Lawe Street in Appleton, Wisconsin (Site). This report includes the results of post-remediation groundwater monitoring performed during the first half of 2021 and replaces Department Form 4400-194 as there are no active remedial systems in operation at the Site. Post-remediation monitoring is being performed according to the program described in the *Remedial Action Plan* dated April 11, 2019. The monitoring well locations are shown on the attached **Figure 1**.

Groundwater samples were collected on March 17 and July 7, 2021, representing the 5th and 6th post-remediation monitoring events of the eight (8) events planned. The July event included sample collection from a larger subset of wells (the wells colored blue on **Figure 1**) to document plume distribution in addition to remediation performance.

Monitoring Results

A summary of the sampling results both prior to and following remediation is presented in attached **Table 1**, and groundwater elevations for the current monitoring period are provided in **Table 2**. Copies of the complete laboratory analytical reports are attached. A water table contour map for July 6, 2021 is presented on the attached **Figure 2**. Groundwater elevations and indicated flow direction are consistent with previous post-remediation data.

As can be seen in **Table 1** and the laboratory analysis results sheets, chromium was not detected in groundwater samples with the exception of samples collected from MW-20R which contained concentrations of 145 and 4.9 micrograms per liter ($\mu\text{g/L}$) during the first half of 2021. The most recent concentration is less than the preventive action limit of 10 $\mu\text{g/L}$. Overall, the performance monitoring data continues to demonstrate that the remedial action was extremely effective in reducing chromium concentrations in groundwater.

Document: 6486-2497

As a consequence of the remedial approach, iron and manganese concentrations are above their respective enforcement standards at several monitoring locations. The concentrations of these constituents are expected to continue decreasing over time.

Two (2) planned groundwater monitoring events remain, scheduled to be completed during September and December 2021, respectively. The final monitoring event will include sample collection from all existing monitoring wells for chromium analysis. If the chromium results continue to be favorable, case closure will be pursued in 2022.

If you have any questions or require additional information, feel free to contact me at 262-290-4001, or by email at bkappen@enviroforensics.com.

Sincerely,
EnviroForensics, LLC

A handwritten signature in blue ink, appearing to read "Brian Kappen".

Brian Kappen, PG
Senior Geologist

Attachments:

Table 1: Groundwater Remediation Performance Monitoring Data

Table 2: Groundwater Elevation Data

Figure 1: Post-Remedial Groundwater Monitoring Well Network

Figure 2: Water Table Contour Map, July 6, 2021

Laboratory Analytical Reports

Copy (via email): Joe Gaug, Albany International
Michael Boozer, ChemReport, Inc. (in care of Luvata Appleton, LLC)

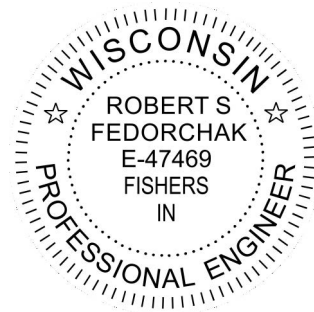
CERTIFICATIONS

I, Robert Fedorchak, hereby certify that I am a registered professional engineer in the State of Wisconsin, registered in accordance with the requirements of ch. A-E 4, Wis. Adm. Code; that this document has been prepared in accordance with the Rules of Professional Conduct in ch. A-E 8, Wis. Adm. Code; and that, to the best of my knowledge, all information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.




Senior Engineer, Lic. No.

Signature, title and P.E. number



I, Brian Kappen, hereby certify that I am a hydrogeologist as that term is defined in s. NR 712.03 (1), Wis. Adm. Code, am registered in accordance with the requirements of ch. GHSS 2, Wis. Adm. Code, or licensed in accordance with the requirements of ch. GHSS 3, Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.
















Senior Geologist

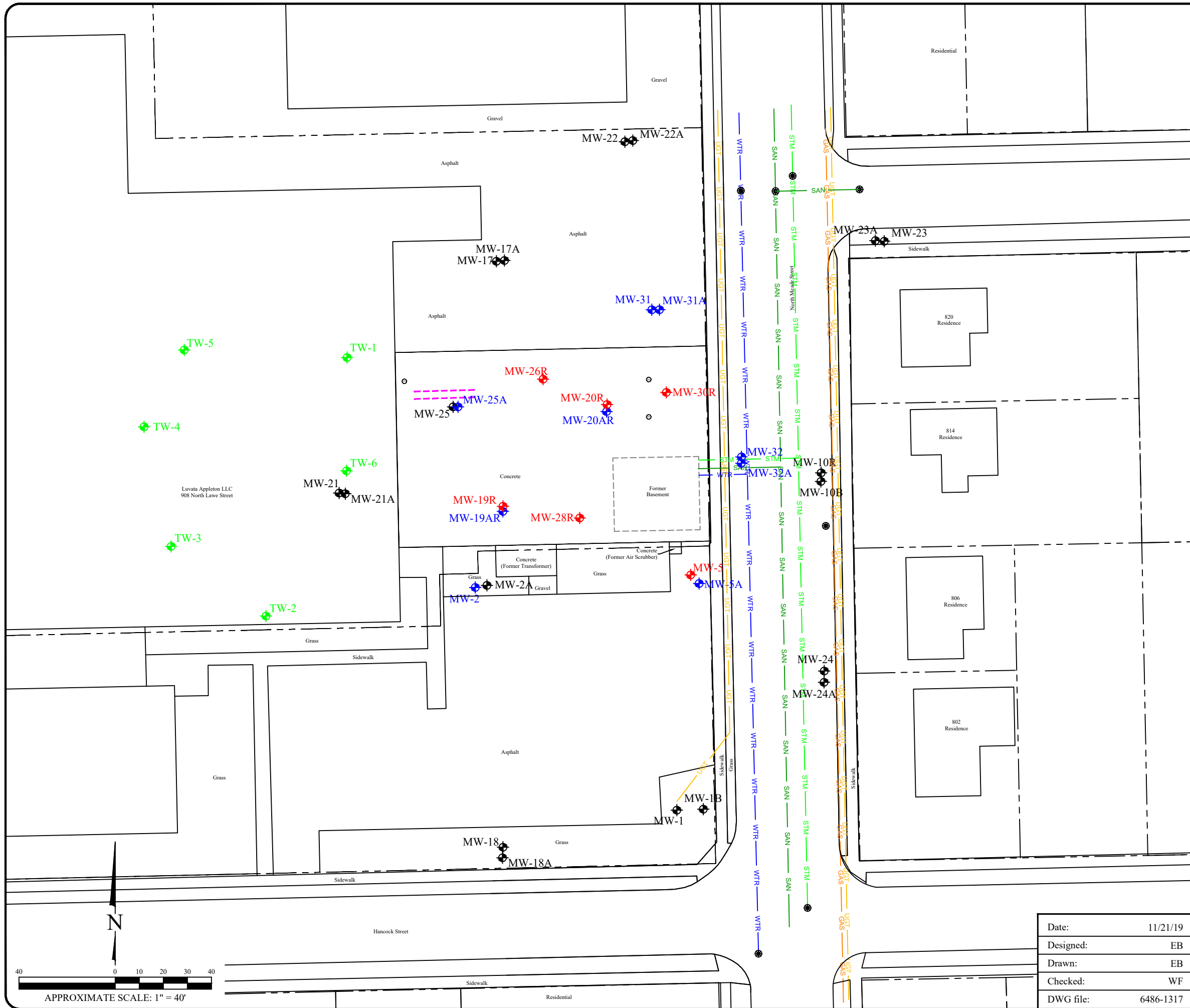
Signature and title

8/23/2021

Date

Legend

-  Property boundary
-  GAS Underground gas utility line
-  WTR Underground water utility line
-  SAN Underground sanitary utility line
-  UGT Fiber optics line
-  STM Underground storm utility line
-  Pipe chase
-  Floor drain
-  Manhole
-  TW-1 1-inch diameter groundwater monitoring well for sampling of chlorinated compounds
-  Monitoring well designated for remediation performance monitoring
-  Monitoring well designated for plume distribution evaluation
-  Monitoring well designated to be sampled once pre-closure



POST-REMEDIATION GROUNDWATER MONITORING WELL NETWORK

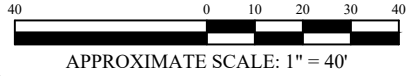
Albany International - Luvata Site
908 North Lawe Street
Appleton, Wisconsin

Date:	11/21/19
Designed:	EB
Drawn:	EB
Checked:	WF
DWG file:	6486-1317








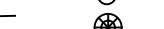






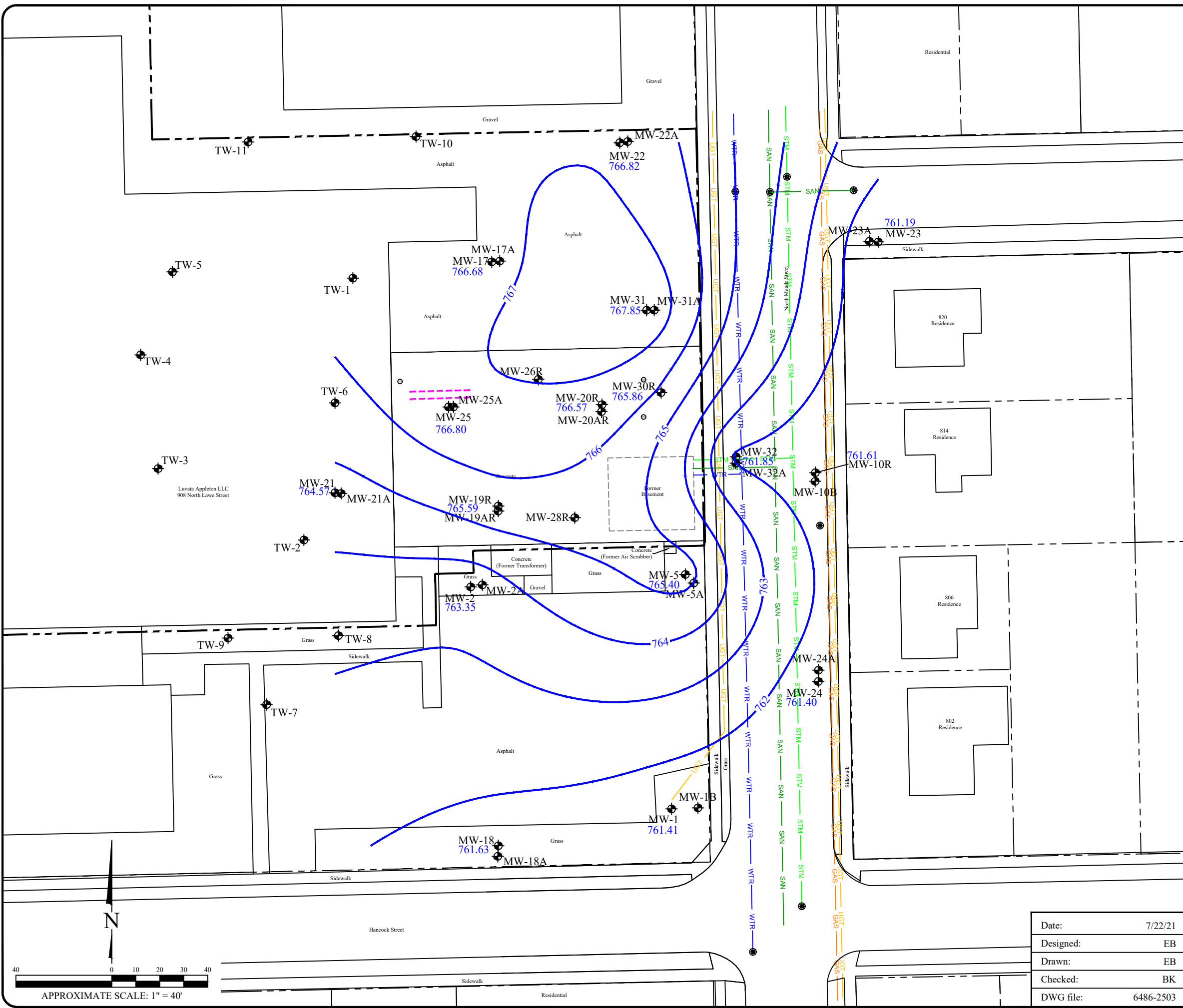
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Figure	1
Project	6486



Legend

-  Property boundary
-  GAS Underground gas utility line
-  WTR Underground water utility line
-  SAN Underground sanitary utility line
-  UGT Fiber optics line
-  STM Underground storm utility line
-  Pipe chase
-  Floor drain
-  Manhole
-  TW-1 Monitoring well
-  764 Groundwater elevation contour
-  761.41 Groundwater elevation (feet above mean sea level)



WATER TABLE CONTOUR MAP
JULY 6, 2021

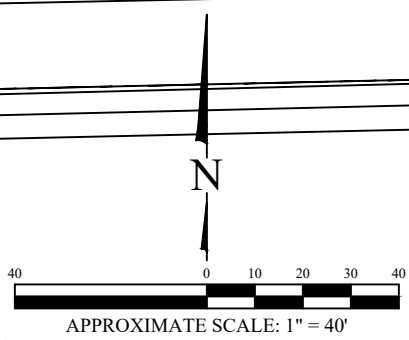
Albany International - Luvata Site
908 North Lawe Street
Appleton, Wisconsin

Date:	7/22/21
Designed:	EB
Drawn:	EB
Checked:	BK
DWG file:	6486-2503



825 North Capitol Avenue • Indianapolis, IN 46204
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Figure	2
Project	6486



**TABLE 1
GROUNDWATER REMEDIATION PERFORMANCE MONITORING DATA**

Former Appleton Wire
908 North Lawe Street, Appleton, Wisconsin

Monitoring Well Identification	Screen Interval	Remediation Status	Sample Date	Dissolved Metals			Field Parameters					
				Chromium	Manganese	Iron	Temperature	pH	Specific Conductance	Oxidation Reduction Potential	Turbidity	Dissolved Oxygen
Reporting Units				µg/L	µg/L	µg/L	Celsius	S.U.	mS/cm	mV	NTU	mg/L
NR 140 Enforcement Standard (ES)				100	300	300*						
NR 140 Preventative Action Limit (PAL)				10	60	150*						
MW-2	9.7 - 19.7	Pre	06/29/17	29.5	NA	NA	NA	NA	NA	NA	NA	NA
			08/31/17	<2.5	NA	NA	NA	NA	NA	NA	NA	NA
		Post Full-Scale	07/01/20	<3.9	14.8	100	17.40	7.74	2.87	41.7	319.5	7.24
07/08/21	<3.9		<4.2	<30	15.56	7.65	2.66	132.4	31.14	8.74		
MW-5	10.4 - 20.4	Pre	08/31/17	256	NA	NA	NA	NA	NA	NA	NA	NA
			Post Full-Scale	04/10/20	12.7 J	462	13,800	12.65	6.94	2.93	-43	39.0
		07/01/20		<3.9	408	11,500	18.94	7.45	2.53	-58	138.0	3.25
		09/29/20		<3.9	346	10,100	17.01	6.93	2.79	-37.1	45.0	1.95
		12/29/20		<3.9	353	4,110	10.37	7.16	2.80	-144.8	7.8	6.74
		03/17/21		<3.9	299	4,170	15.32	7.21	2.91	-102.7	15.5	5.82
		07/08/21	<3.8	315	3,140	17.64	7.27	0.31	-25.8	7.1	4.39	
MW-5A	42 - 47	Post Full-Scale	07/01/20	<3.9	1,050	13,500	16.03	6.88	3.37	-47.6	163.0	2.90
			07/08/21	<3.9	431	3,410	16.45	6.98	4.88	58.9	59.5	6.45
MW-19/19R	4.8 - 14.8	Pre	06/29/17	23,600	NA	NA						
			08/31/17	13,600	NA	NA						
			04/23/18	18,900	<11.3	<155	16.60	7.53	1.31	177	0.0	10.17
		Post Pilot Test	07/16/18	172	948	22,400	20.20	6.55	2.35	27	0.0	8.56
			08/20/18	97.6	1640	88,200	19.66	6.26	2.67	-45	265	10.04
		Post Full-Scale	1/21/2019**	16.1	608	12,200	18.30	7.52	2.56	-81	373	0.06
			04/10/20	<3.9	59.4	6,870	18.98	7.04	1.33	-56	118	2.17
			06/30/20	<3.9	111	8,880	21.90	6.91	1.40	-71.2	176	1.34
			09/29/20	<3.9	40.6	2,930	18.64	7.43	1.15	44.8	19.3	3.06
			12/29/20	<3.9	32.1	120	13.55	7.47	1.25	-61.0	184.4	6.27
		DUP-1										
MW-19R			12/29/20	<3.9	23.3	30 J	13.55	7.47	1.25	-61.0	184.4	6.27
			03/17/21	<3.9	19.2	670 J	16.94	7.45	1.05	-42.7	48.75	5.23
			07/07/21	<3.9	28.5	1,400	19.50	7.34	1.12	272.3	3.83	5.84
MW-19A/19AR	37.5 - 42.5	Pre	06/29/17	8.1 J	17.8	29.0 J	18.44	8.04	0.44	4	26.3	9.75
			04/23/17	<2.5	26.2	<15.5	15.60	7.95	0.49	27	81.4	10.83
		Post Full-Scale	07/01/20	<3.9	28.9	130	19.12	8.29	0.67	86.4	371.0	3.48
			07/07/21	<3.9	52.2	1,380	18.26	7.98	0.66	150.1	379.6	4.23
MW-20/20R	5.1 - 15.1	Pre	06/28/17	265,000	NA	NA	NA	NA	NA	NA	NA	NA
			08/31/17	331,000	NA	NA	NA	NA	NA	NA	NA	NA
			04/23/18	296,000	<11.3	<155	15.73	7.21	2.70	282	50.4	NA
		Post Pilot Test	07/16/18	161,000	99.1	929 J	20.33	7.10	2.73	78	47.8	8.76
			08/20/18	174,000	73.1	156	19.93	7.54	2.52	103	0.0	10.05
			01/21/19	179,000	37.1	<35.4	17.09	8.20	2.55	126	1.9	5.02
		Post Full-Scale	04/10/20	7.0	114	9,250	17.90	7.48	1.41	-114	149	1.47
			06/30/20	10.9	166	23,000	20.62	6.98	2.25	-102.7	934	1.01
			09/29/20	16.7	178	17,800	20.36	7.09	2.15	-78.4	57.8	0.69
			12/29/20	22.8	179	17,200	NA	NA	NA	NA	NA	NA
DUP-1												
MW-20R			09/29/20	<3.9	160	1,950	15.24	7.02	2.41	-81.9	235.4	4.09
			03/17/21	145	328	23,100	16.41	7.14	2.17	-51.2	59.96	2.58
			07/07/21	4.9 J	130	10,700	20.68	7.14	2.10	-80.6	36.16	4.60
MW-20A/20AR	29.7 - 34.7	Pre	06/28/17	6.5 J	78.6	2,060	15.88	7.83	0.66	-2	0.0	11.67
			04/23/18	<2.5	24.5	<15.5	15.19	7.95	0.83	247	97.0	10.24
		Post Full-Scale	07/01/20	<3.9	51.4	430	18.40	9.12	0.81	-3.7	0.1	1.77
			07/07/21	<3.9	34.4	510	17.97	8.40	0.85	259.7	86.4	4.37
MW-25	3.9 - 13.9	Post Full-Scale	07/01/20	<3.9	139	680	20.22	8.49	1.46	97.9	354.6	4.61
			07/07/21	<3.9	188	2,280	19.24	7.39	1.53	-50.6	52.1	5.05
MW-26/26R	4.0 - 14.0	Pre	06/28/17	72,900	NA	NA						
			08/31/17	84,900	NA	NA						
		Post Pilot Test	07/16/18	21,600	115	3,550	19.66	7.45	1.39	-94	227	8.74
			08/20/18	17,100	15.6	<15.5	20.48	7.36	1.24	72	0.0	9.94
			01/21/19	26,700	1.5 J	<35.4	16.46	8.24	1.31	95	2.7	4.40
		Post Full-Scale	04/10/20	<3.9	17.9	220	16.42	8.38	1.03	-117	194.0	2.15
			07/01/20	<3.9	39.3	110	19.64	9.12	1.05	82.8	85.9	3.92
			09/29/20	<3.9	98.3	910	19.95	7.73	1.30	-45.1	12.9	1.03
			12/29/20	<3.9	87.2	40 J	15.08	7.84	1.44	-32.0	7.59	4.07
			03/17/21	<3.9	94.5	600	15.92	7.63	1.45	-81.6	14.47	1.92
DUP-1												
MW-26/26R			03/17/21	<3.9	16.3	1,130	NA	NA	NA	NA	NA	NA
			07/07/21	<3.9	173	2,690	18.95	7.69	1.47	-38.0	20.17	5.36

TABLE 1
GROUNDWATER REMEDIATION PERFORMANCE MONITORING DATA

Former Appleton Wire
908 North Lawe Street, Appleton, Wisconsin

Monitoring Well Identification	Screen Interval	Remediation Status	Sample Date	Dissolved Metals			Field Parameters					
				Chromium	Manganese	Iron	Temperature	pH	Specific Conductance	Oxidation Reduction Potential	Turbidity	Dissolved Oxygen
Reporting Units				µg/L	µg/L	µg/L	Celsius	S.U.	mS/cm	mV	NTU	mg/L
MW-28/28R	4.0 - 14.0	Pre	06/28/17	3,890	43.2	53.6 J	17.43	7.27	1.88	194	33.7	11.29
			08/31/17	390	NA	NA	NA	NA	NA	NA	NA	NA
		Post Full-Scale	4/10/2020**	<3.9	67.8	680 J	16.63	7.16	1.53	-46	94	0.34
			06/30/20	<3.9	206	20,800	21.11	7.07	1.62	-114.5	208	1.49
			09/29/20	<3.9	<4.2	90 J	19.15	7.27	1.11	138.2	16.5	2.23
			12/29/20	<3.9	62.6	<30	15.71	7.50	1.39	-97.0	40.07	4.89
			03/17/21	<3.9	82.0	2,510	16.46	7.35	1.38	-55.8	82.36	2.33
07/07/21	<3.9	123	4,700	19.12	7.54	1.35	29.8	15.39	5.85			
MW-30/30R	4.8 - 14.8	Pre	08/31/17	3,540	NA	NA	NA	NA	NA	NA	NA	NA
			04/10/20	<3.9	20.1	900	17.35	11.59	1.29	-175	230.0	0.97
		Post Full-Scale	07/01/20	<3.9	<4.2	80 J	20.23	11.20	1.88	40.4	163.9	3.57
			09/29/20	<3.9	52.2	2,240	20.16	11.46	1.56	-107.2	48.2	1.01
			12/29/20	<3.9	<4.2	70 J	13.69	11.67	1.49	-89.6	148	4.78
			03/17/21	<3.9	23.9	270	15.57	10.14	0.94	-88.4	5.58	3.54
07/07/21	<3.9	<4.2	50 J	20.03	11.58	1.43	186.9	6.05	4.38			
MW-31	4.2 - 14.2	Post Full-Scale	07/02/20	<3.9	615	26,400	22.55	6.72	8.92	-57.7	498.6	1.74
			07/07/21	<3.9	366	26,900	21.94	6.84	5.76	-134.1	122.2	3.89
MW-31A	29.5 - 34.5	Post Full-Scale	07/02/20	<3.9	7,310	217,000	16.22	7.71	1.96	-141.2	1718.0	0.11
			07/07/21	<3.19	12.1 J	430	20.31	8.53	1.40	-249.1	105.99	6.12
MW-32	4.3 - 14.3	Post Full-Scale	07/02/20	<3.9	59.9	60 J	16.34	7.84	5.39	123.7	174.6	4.04
			07/07/21	<3.9	12.6 J	110	15.07	7.66	5.03	286.2	20.32	6.40
MW-32A	27.5 - 32.5	Post Full-Scale	07/02/20	<3.9	38	160	15.33	8.04	1.62	124.4	608.0	5.52
			07/07/21	<3.9	65.2	1,060	14.12	8.34	1.33	259.8	105.8	6.36

Notes:

Bolded values are above laboratory detection limits

Bolded and blue colored values are above the groundwater preventative action limit (PAL)

Bolded and orange colored values are above the groundwater enforcement standard (ES)

J = Analyte concentration detected between the laboratory Reporting Limit and Method Detection Limit

* = Values based on Public Welfare Groundwater Quality Standards

** = Purging and sampling performed using low-flow methods. All other samples collected using a bailer.

NA = Not Analyzed

S.U. = Standard Units

mS/cm = Millisiemens per centimeter

mV = millivolt

NTU = Nephelometric Turbidity Unit

µg/L = micrograms per liter

TABLE 2
GROUNDWATER ELEVATION DATA

Former Appleton Wire
908 N. Lawe Street., Appleton, Wisconsin

Well Identification	Date	TOC Elevation (feet AMSL)	Depth to Water (feet below TOC)	Groundwater Elevation (feet AMSL)
MW-1	07/06/21	767.62	6.21	761.41
MW-2	07/06/21	770.75	7.40	763.35
MW-5	03/16/21	767.86	2.43	765.43
	07/06/21	767.86	2.46	765.40
MW-5A	07/06/21	767.61	3.53	764.08
MW-10R	07/06/21	767.31	5.70	761.61
MW-17	07/06/21	771.92	5.24	766.68
MW-18	07/06/21	769.97	8.34	761.63
MW-19R	03/16/21	768.42	2.67	765.75
	07/06/21	768.42	2.83	765.59
MW-19AR	07/06/21	768.44	7.09	761.35
MW-20R	03/16/21	768.44	2.44	766.00
	07/06/21	768.44	1.87	766.57
MW-20AR	07/06/21	768.38	12.63	755.75
MW-21	07/06/21	769.02	4.45	764.57
MW-22	07/06/21	769.01	2.19	766.82
MW-23	07/06/21	767.95	6.76	761.19
MW-24	07/06/21	766.89	5.49	761.40
MW-25	07/06/21	768.46	1.66	766.80
MW-26R	03/16/21		3.29	
	07/06/21		1.80	
MW-28R	03/16/21	768.38	4.41	763.97
	07/06/21	768.38	4.93	763.45
MW-30R	03/16/21	768.42	3.67	764.75
	07/06/21	768.42	2.56	765.86
MW-31	07/06/21	768.65	0.80	767.85
MW-31A	07/06/21	768.70	10.78	757.92
MW-32	07/06/21	767.20	5.35	761.85
MW-32A	07/06/21	767.03	14.00	753.03

Notes

All values are in feet

AMSL = above mean sea level

TOC = Top of Casing

Monitoring wells re-surveyed in May 2017. Replacement wells surveyed April 2020.

Synergy Environmental Lab, INC

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

WAYNE FASSBENDER
ENVIROFORENSICS
N16 W 23390 STONERIDGE DR
WAUKESHA WI 53188

Report Date 24-Mar-21

Project Name ALBANY INTERNATIONAL
Project # 6486 PO#2021-0150

Invoice # E39178

Lab Code 5039178A
Sample ID 8486-MW-5
Sample Matrix Water
Sample Date 3/17/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		3/22/2021	CWT	1
Iron, Dissolved	4.17	mg/l	0.03	0.1	1	200.7		3/22/2021	CWT	1
Manganese, Dissolved	299	ug/L	4.2	13.8	1	200.7		3/22/2021	CWT	1

Lab Code 5039178B
Sample ID 6486 MW-19R
Sample Matrix Water
Sample Date 3/17/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		3/22/2021	CWT	1
Iron, Dissolved	0.67 "J"	mg/l	0.03	0.1	1	200.7		3/22/2021	CWT	1
Manganese, Dissolved	19.2	ug/L	4.2	13.8	1	200.7		3/22/2021	CWT	1

Lab Code 5039178C
Sample ID 6486 MW-20R
Sample Matrix Water
Sample Date 3/17/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	145	ug/L	3.9	12.8	1	200.7		3/22/2021	CWT	1
Iron, Dissolved	23.1	mg/l	0.03	0.1	1	200.7		3/22/2021	CWT	1
Manganese, Dissolved	328	ug/L	4.2	13.8	1	200.7		3/22/2021	CWT	1

Project Name ALBANY INTERNATIONAL
Project # 6486 PO#2021-0150

Invoice # E39178

Lab Code 5039178D
Sample ID 6486 MW-26R
Sample Matrix Water
Sample Date 3/17/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		3/22/2021	CWT	1
Iron, Dissolved	0.60	mg/l	0.03	0.1	1	200.7		3/22/2021	CWT	1
Manganese, Dissolved	94.5	ug/L	4.2	13.8	1	200.7		3/22/2021	CWT	1

Lab Code 5039178E
Sample ID 6486 MW-28R
Sample Matrix Water
Sample Date 3/17/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		3/22/2021	CWT	1
Iron, Dissolved	2.51	mg/l	0.03	0.1	1	200.7		3/22/2021	CWT	1
Manganese, Dissolved	82.0	ug/L	4.2	13.8	1	200.7		3/22/2021	CWT	1

Lab Code 5039178F
Sample ID 6486 MW-30R
Sample Matrix Water
Sample Date 3/17/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		3/22/2021	CWT	1
Iron, Dissolved	0.27	mg/l	0.03	0.1	1	200.7		3/22/2021	CWT	1
Manganese, Dissolved	23.9	ug/L	4.2	13.8	1	200.7		3/22/2021	CWT	1

Lab Code 5039178G
Sample ID 6486 DUP-1
Sample Matrix Water
Sample Date 3/17/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		3/22/2021	CWT	1
Iron, Dissolved	1.13	mg/l	0.03	0.1	1	200.7		3/22/2021	CWT	1
Manganese, Dissolved	16.3	ug/L	4.2	13.8	1	200.7		3/22/2021	CWT	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



A handwritten signature in blue ink, appearing to read "Michael J. [unclear]", is written over a horizontal line.

Environmental Lab, Inc.

www.synergy-lab.net
 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.twcbc.com

Sample Handling Request

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

Normal Turn Around

Lab I.D. # _____
 QUOTE #: 8242
 Project #: 6486
 Sampler: (signature) ZR

Project (Name / Location): Albany International
 Reports To: Wayne Fassbender Invoice To: _____
 Company: Enviroprossics Company: _____
 Address: 116 W 23390 Stone Ridge Dr, Skk Address: _____
 City State Zip: Waukesha, WI 53188 City State Zip: _____
 Phone: 262-290-4001 Phone: _____
 Email: wfassbender@enviroprossics.com Email: accounts payable@enviroprossics.com

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 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	PID/ FID
														<u>Chromium</u>	
														<u>Iron</u>	
														<u>Manganese</u>	

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>50391A</u>	<u>6486-MW-S</u>	<u>3-17-21</u>	<u>10:38</u>	<u>Y</u>	<u>1</u>	<u>GW</u>	<u>HNO3</u>
<u>B</u>	<u>6486-MW-19R</u>	<u>↓</u>	<u>905</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>C</u>	<u>6486-MW-20R</u>	<u>↓</u>	<u>942</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>D</u>	<u>6486-MW-26R</u>	<u>↓</u>	<u>931</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>E</u>	<u>6486-MW-28R</u>	<u>↓</u>	<u>920</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>F</u>	<u>6486-MW-30R</u>	<u>↓</u>	<u>955</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>G</u>	<u>6486-DUP-1</u>	<u>↓</u>	<u>-</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

Comments/Special Instructions (*Specify groundwater "GW", Drinking Water "DW", Waste Water "WW", Soil "S", Air "A", Oil, Sludge, etc.)
PO: 2021-0150

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

Relinquished By: (sign) ZR Time 1123 Date 3-17-21
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: [Signature] Time: 1123 AM Date: 3-17-21

Synergy Environmental Lab, INC

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

BRIAN KAPPEN
ENVIROFORENSICS
N16 W 23390 STONERIDGE DR
WAUKESHA WI 53188

Report Date 14-Jul-21

Project Name ALBANY INTERNATIONAL
Project # 6486

Invoice # E39670

Lab Code 5039670A
Sample ID 6486 MW-2
Sample Matrix Water
Sample Date 7/8/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	< 0.03	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	< 4.2	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670B
Sample ID 6486 MW-5
Sample Matrix Water
Sample Date 7/8/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	3.14	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	315	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670C
Sample ID 6486 MW-5A
Sample Matrix Water
Sample Date 7/8/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	3.41	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	431	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Project Name ALBANY INTERNATIONAL
Project # 6486

Invoice # E39670

Lab Code 5039670D
Sample ID 6486 MW-19R
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	1.4	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	28.5	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670E
Sample ID 6486 MW-19AR
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	1.38	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	52.2	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670F
Sample ID 6486 MW-20R
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	4.9 "J"	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	10.7	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	130	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670G
Sample ID 6486 MW-20AR
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	0.51	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	34.4	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Project Name ALBANY INTERNATIONAL
Project # 6486

Invoice # E39670

Lab Code 5039670H
Sample ID 6486 MW-25
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	2.28	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	188	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670I
Sample ID 6486 MW-26R
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	2.69	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	173	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670J
Sample ID 6486 MW-28R
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	4.7	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	123	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670K
Sample ID 6486 MW-30R
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	0.05 "J"	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	< 4.2	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Project Name ALBANY INTERNATIONAL
Project # 6486

Invoice # E39670

Lab Code 5039670L
Sample ID 6486 MW-31
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	26.9	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	366	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670M
Sample ID 6486 MW-31A
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	0.43	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	12.1 "J"	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670N
Sample ID 6486 MW-32
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	0.11	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	12.6 "J"	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Lab Code 5039670O
Sample ID 6486 MW-32A
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	1.06	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	65.2	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	1

Project Name ALBANY INTERNATIONAL
Project # 6486

Invoice # E39670

Lab Code 5039670P
Sample ID 6486 IDM
Sample Matrix Water
Sample Date 7/7/2021

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
Inorganic										
Metals										
Chromium, Dissolved	< 3.9	ug/L	3.9	12.8	1	200.7		7/13/2021	CWT	1
Iron, Dissolved	0.11	mg/l	0.03	0.1	1	200.7		7/13/2021	CWT	1
Manganese, Dissolved	196	ug/L	4.2	13.8	1	200.7		7/13/2021	CWT	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



Environmental Lab, Inc.

www.synergy-lab.net
 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.twcbc.com

Sample Handling Request

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

Normal Turn Around

Lab I.D. # _____
 QUOTE #: 8242
 Project #: 6486
 Sampler: (signature) [Signature]

Project (Name / Location): Albany International
 Reports To: Brian Kappen Invoice To: _____
 Company: EnviroForensics Company: _____
 Address: 216 W 23rd Stone Ridge Dr Suite G Address: _____
 City State Zip: Waukesha, WI 53188 City State Zip: _____
 Phone: 262-290-4001 Phone: _____
 Email: bkappere@enviroforensics.com Email: _____

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 524.2)	VOC (EPA 8260)	VOC AIR (TO - 15)	8-RCRA METALS	PID/ FID
														X Chromium	
														X Iron	
														X Magness	

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
5039670A	6486-MW-2	7-8-21	1055	Y	1	GW	H2O2
B	6486-MW-5	↓	1050	↓	↓	↓	↓
C	6486-MW-5A	↓	1040	↓	↓	↓	↓
D	6486-MW-19R	7-7-21	1110	↓	↓	↓	↓
E	6486-MW-19AR	↓	1050	↓	↓	↓	↓
F	6486-MW-20R	↓	1140	↓	↓	↓	↓
G	6486-MW-20AR	↓	1130	↓	↓	↓	↓
H	6486-MW-25	↓	1200	↓	↓	↓	↓
I	6486-MW-26R	↓	1150	↓	↓	↓	↓
J	6486-MW-28R	↓	1115	↓	↓	↓	↓
K	6486-MW-30R	↓	1120	↓	↓	↓	↓
L	6486-MW-31	↓	1410	↓	↓	↓	↓

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: [Signature]
 Temp. of Temp. Blank: _____ °C On Ice: [Signature]
 Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) [Signature] Time Date 1154 7-8-21
 Received in Laboratory By: [Signature]

Received By: (sign) _____ Time Date _____
 Time: 11:55 Date: 7/8/21

Environmental Lab, Inc.

www.synergy-lab.net
 1990 Prospect Ct. • Appleton, WI 54914
 920-830-2455 • mrsynergy@wi.twcbc.com

Sample Handling Request

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

Lab I.D. # _____
 QUOTE #: 8242
 Project #: 6486
 Sampler: (signature) [Signature]

Project (Name / Location): Albany International
 Reports To: Brian Kappen Invoice To: _____
 Company: EnviroForensics Company: _____
 Address: _____ Address: _____
 City State Zip: _____ City State Zip: _____
 Phone: _____ Phone: _____
 Email: _____ Email: _____

Analysis Requested										Other Analysis		PID/ FID		
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 524.2)		VOC (EPA 8260)	VOC AIR (TO - 15)
														Chromium
														Iron
														Magnesium

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation
<u>S039670 W</u>	<u>6486-MW-31A</u>	<u>7-8-21</u>	<u>1010</u>	<u>Y</u>	<u>1</u>	<u>GW</u>	<u>HNO3</u>
<u>V</u>	<u>6486-MW-32</u>	<u>↓</u>	<u>1020</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>O</u>	<u>6486-MW-32A</u>	<u>↓</u>	<u>1030</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>
<u>P</u>	<u>6486-IDM</u>	<u>↓</u>	<u>1110</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>	<u>↓</u>

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: [Signature]
 Temp. of Temp. Blank: _____ °C On Ice:
 Cooler seal intact upon receipt: Yes No

Relinquished By: (sign) [Signature] Time 1154 Date 7-8-21
 Received By: (sign) _____ Time _____ Date _____
 Received in Laboratory By: [Signature] Time: 1:55 Date: 7/8/21