

August 31, 2020

Jeremy Mitchell  
Hydrogeologist  
Wisconsin Department of Natural Resources  
2984 Shawano Avenue  
Green Bay, WI 54313

**Re: Limited Site Investigation Report for Midwest Plating Corp Site, BRRTS #02-45-191769;  
OMNNI Project No. R3000279**

Dear Mr. Mitchell:

OMNNI Associates, a Westwood company (OMNNI), on behalf of the Wisconsin Department of Natural Resources (WDNR), executed the proposal dated July 14, 2020. This Limited Site Investigation Report summarizes the site activities associated with the soil sampling at the adjoining property located at 713 South Mason Street, Appleton, Wisconsin (Site). The Limited Site Investigation consisted of direct-push soil borings and soil sample collection. The following is a summary of the work performed by OMNNI to date.

### **Introduction**

The Site is located in the NE  $\frac{1}{4}$  of the NW  $\frac{1}{4}$  of section 34, T21N, R17E, Outagamie County, Wisconsin (reference Figure 1 – Location Map, attached). The Site is located within the City of Appleton, Wisconsin, in a mixed commercial/residential area (reference Figure 2 – 8/4/2020 Soil Sample Locations, attached). The Site is bordered to the north by the Former Midwest Plating Corporation and a residential property. The Site is bordered to the east by Mason Street followed by residential properties. The Site is bordered to the south by residential properties. The Site is bordered to the west by a commercial property.

The Site is irregularly shaped and 0.59-acres in size. The Site is owned by Mr. Garrett Griswold and is zoned Single-Family District (R1B). The Site currently consists of a residential property with a grassed yard, and woods along the western side of the property (reference Figure 2 – 8/4/2020 Soil Sample Locations, attached).

The Site is located in an area where manufacturing operations existed north of the Site on the Midwest Plating property. The operations at Midwest Plating consisted of chromium plating and operated on the property since 1973. OMNNI previous was involved with investigations and interim remedial activities on the Midwest Plating and adjoining properties. The recent sampling activities were performed to assist the WDNR with identifying potential chromium and hexavalent chromium contamination on the Site from the Midwest Plating Corporations operations.

### **Investigative Efforts**

Based on conversations with the WDNR and the historical investigative activities at the Midwest Plating Corp property, OMNNI was requested to install soil borings on the adjoining property and collect soil samples for chromium and hexavalent chromium analysis to assess the potential impacts at the Site.

On August 4, 2020 OMNNI staff arrived onsite to collect soil samples. OMNNI supervised the installation of seven (7) soil borings to a depth of five (5) feet below ground surface (bgs). Two soil samples were to be collected from each soil boring for laboratory analysis.

**Soil:**

Soil borings WW1 through WW7 generally consisted of approximately eight (8) to twelve (12) inches of silty sand with organics classified as topsoil, followed by silty clay, and silty sand to the maximum depth explored (reference Soil Boring Logs, attached). Two soil samples were collected from each soil boring at intervals of one (1) foot bgs and three (3) feet bgs. An additional soil sample was collected from soil boring WW4 from a depth of two to two and a half (2-2.5) feet bgs based on field observations in the soil. Soil samples were submitted to Synergy Environmental Lab for chromium and hexavalent chromium analysis. Soil analytical results from the Limited Site Investigation are summarized below.

Chromium

Chromium in soil sample WW6-2 (57.1 milligrams per kilogram (mg/kg)) was detected exceeding the Wisconsin Administrative Code (WAC) NR 720 Background Threshold Value (BTV) for Chromium, however the concentration detected is below the WAC NR 720 Soil-to-Groundwater Pathway. Chromium was detected in the remaining soil samples collected, however the concentrations detected were below the WAC NR 720 BTVs (reference Table 1 – Soil Analytical Results Table, attached).

Hexavalent Chromium

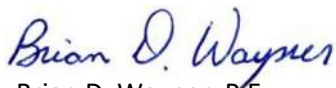
Hexavalent chromium was not detected in any of the soil samples submitted above laboratory detection levels (reference Table 1 – Soil Analytical Results Table, attached).

**Conclusions and Recommendations:**

The Limited Site Investigation was intended to identify if off-site chromium and hexavalent chromium contamination from the Midwest Plating property extended onto the Site. The soil analytical results indicate the chromium and hexavalent chromium concentrations are below the WAC NR 720 Non-Industrial Direct Contact Residual Contaminant Levels (RCLs) and the Soil-to-Groundwater Pathway RCLs.

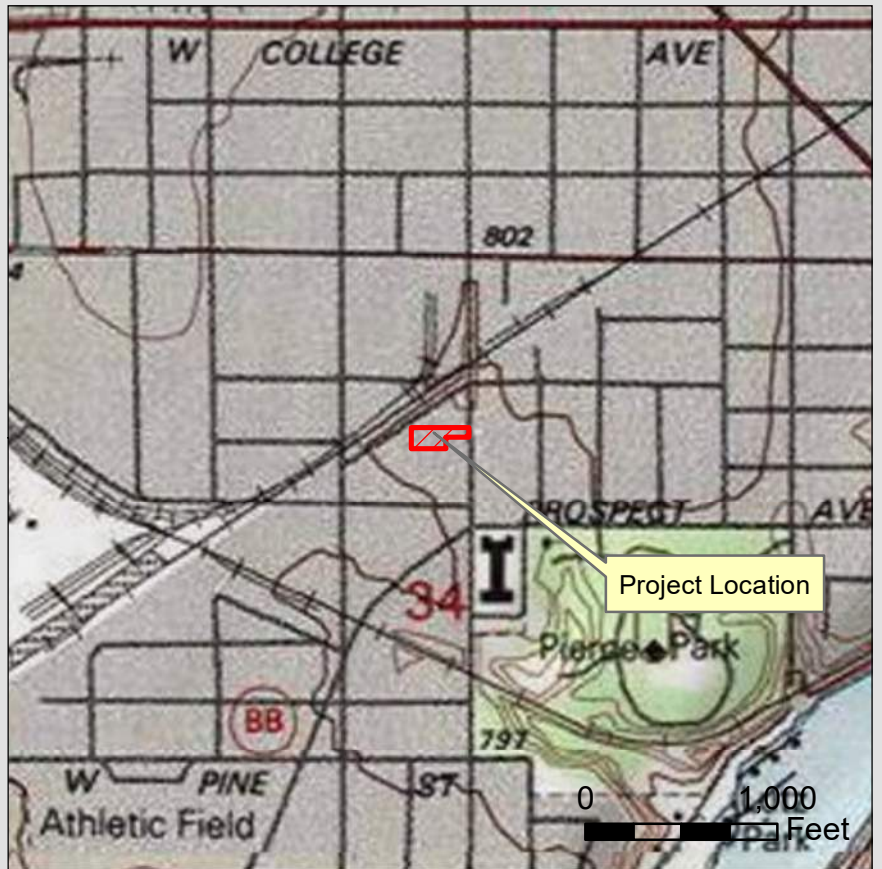
If you have any questions, please feel free to contact me by email at [brian.wayner@omnni.com](mailto:brian.wayner@omnni.com) or by phone at (920) 830-6141.

Sincerely,



Brian D. Wayner, P.E.  
*Environmental Manager*

Attachments: Figure 1 – Site Location Map  
Figure 2 – 8/4/2020 Soil Sample Locations  
Table 1 – Soil Analytical Results Table  
Soil Boring Logs  
Laboratory Analytical Results and Chain of Custody



**WDNR BRRTS #:** N/A  
**Site Name:** 713 S. MASON STREET  
  
**WDNR Facility ID:** N/A  
**PLSS:** NE 1/4 of NW 1/4 of T21 R17E S34  
**Parcel No.:** 313134000  
  
**Lat/Long:** 44° 15' 21.279" N 88° 25' 35.104" W  
**Dec. Long/Lat:** -88.426418 44.255911  
**WTM91 (m):** 645,617 421,501  
**County Coord (ft):** 822,280 560,079



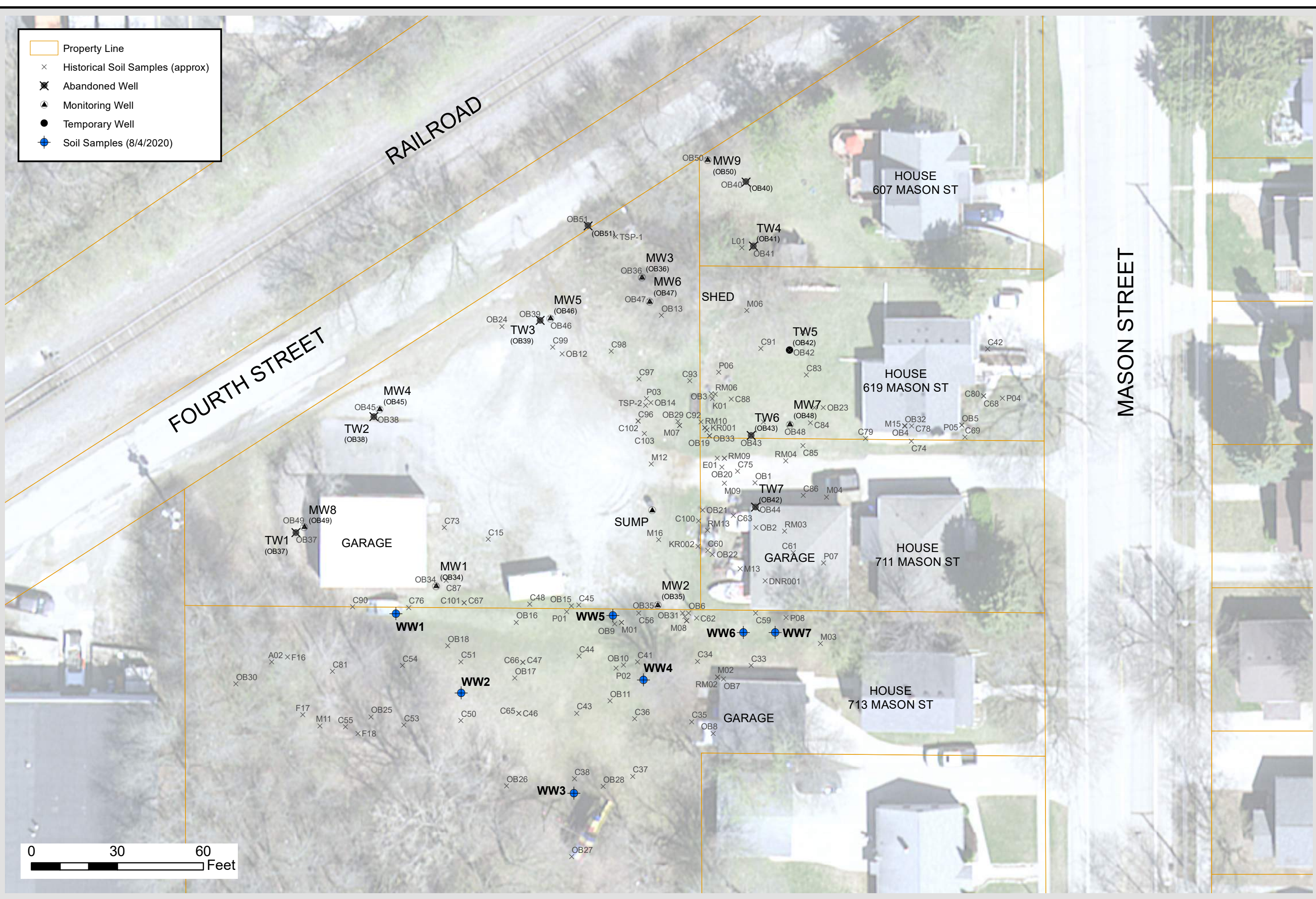
**MIDWEST PLATING CORPORATION**  
**LOCATION MAP**  
**713 S. MASON STREET**  
 1315 W. FOURTH STREET  
 APPLETON, OUTAGAMIE COUNTY, WISCONSIN

SCALE: AS SHOWN	BRRTS NO. <b>0245191769</b>
Drawn By: JCW	OMNI PROJECT NO. <b>R3000279</b>
Checked By: BDW	FIGURE NO. <b>1</b>
Date: 8/31/2020	

- Property Line
- × Historical Soil Samples (approx)
- ✕ Abandoned Well
- ▲ Monitoring Well
- Temporary Well
- ⊕ Soil Samples (8/4/2020)



Project Manager: BDW  
 Project Engineer: BDW  
 Drawn By: JCW  
 Checked By: BDW  
 Date: 8/26/2020



**MIDWEST PLATING CORPORATION**  
**8/4/2020 SOIL SAMPLE LOCATIONS**

1315 WEST FOURTH STREET  
 APPLETON, WISCONSIN



SCALE:  
 1" = 30'  
 PROJECT NO.  
**R3000279**  
 FIGURE NO.  
**1**

## Midwest Plating Corp (Former)

Table 1 - Soil Analytical Results Table

Detected RCRA Metals and Other Tested Compounds (mg/kg)

Chemical Name			Solids Percent	Chromium, Total	Chromium, Hexavalent
Non-Industrial Direct Contact RCL					0.301
Industrial Direct Contact RCL					6.36
Soil-to-Groundwater Pathway RCL				360000	
Background Threshold Value (BTV)				43.5	
Sample	Depth	Date	_SolidsPct	7440-47-3	18540-29-9
WW1-1	1'	8/4/2020	84	37.1	< 0.64
WW1-2	3'	8/4/2020	86.6	21.4	< 0.64
WW2-1	1'	8/4/2020	85.1	34.4	< 0.64
WW2-2	3'	8/4/2020	87.9	18.7	< 0.64
WW3-1	1'	8/4/2020	83.8	36.5	< 0.64
WW3-2	3'	8/4/2020	84.2	30.4	< 0.64
WW4-1	1'	8/4/2020	87.2	27.1	< 0.64
WW4-2	3'	8/4/2020	83	42.9	< 0.64
WW4-3	2-2.5'	8/4/2020	85.8	23.7	< 0.64
WW5-1	1'	8/4/2020	86.4	27.7	< 0.64
WW5-2	3'	8/4/2020	91.4	37.3	< 0.64
WW6-1	1'	8/4/2020	87.4	25.3	< 0.64
WW6-2	3'	8/4/2020	81.8	57.1	< 0.64
WW7-1	1'	8/4/2020	87.4	22.9	< 0.64
WW7-2	3'	8/4/2020	86.2	18	< 0.64

11/20/2018 State of Wisconsin Soil Residual Contaminant Levels (RCL) were used.

RCL = residual contaminant level.

J = Analyte detected between the limit of detection and limit of quantitation.

mg/kg = milligrams per kilogram

	Detects with no exceedances above RCLs
	Non-Industrial DC RCL exceedance
	Industrial DC RCL exceedance
	Soil-to-Groundwater Pathway RCL exceedance

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

Page 1 of 1

Facility/Project Name <i>Midwest Pkting</i>		License/Permit/Monitoring Number		Boring Number <i>WW1</i>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: <i>Tony</i> Last Name: <i>Kapley</i> Firm: <i>On-Site Environmental</i>		Date Drilling Started <i>08/04/2020</i> m m d d y y y y	Date Drilling Completed <i>08/04/2020</i> m m d d y y y y	Drilling Method <i>Direct Push/ GeoProbe</i>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <i>2</i> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane <input type="checkbox"/> N <input type="checkbox"/> E		Local Grid Location	
1/4 of <input type="checkbox"/> 1/4 of Section <input type="checkbox"/> T <input type="checkbox"/> N, R <input type="checkbox"/>		Lat <input type="checkbox"/> 0 ' "		Feet <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID		County <i>Outagamie</i>	County Code <i>45</i>	Civil Town/City/ or Village <i>Appleton</i>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	<i>60/60</i>		<i>1</i>	<i>Brown silty sand w/ organics Mst soft topsoil</i>										<i>WW1-1 @ 1' @ 8:34</i>
			<i>2</i>	<i>Reddish brown silty clay Trace gravel Mst stiff</i>										<i>WW1-2 @ 3' @ 8:36</i>
			<i>3</i>											
			<i>4</i>											
			<i>5</i>	<i>EOB 5'</i>										

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

Signature *[Signature]* Firm *OMNNI Associates, a Westwood company*

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

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

Page \_\_\_\_\_ of \_\_\_\_\_

Facility/Project Name <i>Midwest Plating</i>		License/Permit/Monitoring Number	Boring Number <i>WW2</i>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: <i>Kapuy</i> Firm: <i>On-Site Environmental</i>		Date Drilling Started <i>08/12/2020</i> m m d d y y y y	Date Drilling Completed <i>08/12/2020</i> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <i>Direct push/ Geoprobe</i>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL
State Plane _____ N, _____ E		Borehole Diameter <i>2</i> inches	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat _____ ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID		County <i>Outagamie</i>	Civil Town/City/ or Village <i>Appleton</i>

Sample Number and Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	<i>60</i> <i>60</i>		<i>1</i>	<i>0-8" Brown silty sand w/ organics mst. soft top soil</i>										<i>WW2-1 1' @ 8:42</i>
			<i>2</i>	<i>Reddish Brown silty clay mst shift</i>										
			<i>3</i>	<i>Trace gravel</i>										<i>WW2-2 3' @ 8:43</i>
			<i>4</i>											
			<i>5</i>	<i>EOB 5'</i>										

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

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Facility/Project Name <i>Midwest Plating</i>		License/Permit/Monitoring Number	Boring Number <i>WW3</i>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: <i>Kafay.</i> Firm: <i>On-Site Environmental</i>		Date Drilling Started <i>08/12/2020</i> m m d d y y y y	Date Drilling Completed <i>08/12/2020</i> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <i>Direct push/ Geoprobe</i>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
State Plane _____ N, _____ E		Borehole Diameter <i>2</i> inches	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat _____ ' "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County <i>Outagamie</i>	County Code <i>45</i>	Civil Town/City/ or Village <i>Appleton</i>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					P 200	ROD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
	<i>60/60</i>		1	<i>Brown silty sand w/ organics mst soft Trace</i>											
			2	<i>Reddish Brown silty clay mst soft Trace gravel</i>											<i>WW3-1 @ 8:47am</i>
			3	<i>Trace sand mst content increased</i>											<i>WW3-2 3' @ 8:49</i>
			4												
			5	<i>EOB 5'</i>											

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

Page \_\_\_\_\_ of \_\_\_\_\_

Facility/Project Name <i>Midwest Plating</i>		License/Permit/Monitoring Number	Boring Number <i>WW4</i>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: <i>Kopyy.</i> Firm: <i>On-Site Environmental</i>		Date Drilling Started <i>08/12/2020</i> m m d d y y y y	Date Drilling Completed <i>08/12/2020</i> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <i>Direct push / Geoprobe</i>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL
State Plane _____ N, _____ E		Lat _____ "	Borehole Diameter <i>2</i> inches
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Long _____ "	<input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County <i>Outagamie</i>	County Code <i>45</i>	Civil Town/City/ or Village <i>Appleton</i>

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
			0-8"	<i>Brown silty sand w/ organics</i>												
			1	<i>Reddish top soil mst soft</i>												<i>WW4-1 1' @ 8:52</i>
			2	<i>Brown silty clay trace gravel. trace organics</i>												<i>WW4-3 2-25' @ 8:57</i>
			3	<i>Brown silty sand mst soft to gray</i>												
			4	<i>Brown silty clay trace gravel mst stiff</i>												<i>WW4-2 3' @ 8:58</i>
			5	<i>Reddish Brown silty clay trace gravel trace roots</i>												
				EOB 5'												

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

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Facility/Project Name <i>Midwest Plating</i>		License/Permit/Monitoring Number	Boring Number <i>WWS-</i>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: <i>Kopy</i> Firm: <i>On-Site Environmental</i>		Date Drilling Started <i>08/12/2020</i> m m d d y y y y	Date Drilling Completed <i>08/12/2020</i> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <i>Direct push/ Geoprobe</i>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level Feet MSL	Surface Elevation Feet MSL
State Plane _____ N, _____ E		Borehole Diameter <i>2</i> inches	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID	County <i>Outagamie</i>	County Code <i>45</i>	Civil Town/City/ or Village <i>Appleton</i>

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
				<i>Brown silty sand w/ organics trace gravel topsoil Mst soft</i>											
	<i>60</i>	<i>36</i>	<i>1</i>	<i>Reddish Brown silty clay trace gravel trace sand</i>											<i>WWS-1 1' @ 9:04</i>
			<i>2</i>	<i>Grayish tan silty sand w gravel trace clay Mst loose</i>											<i>WWS-2 3' @ 9:06</i>
			<i>3</i>	<i>inter mixed silty clay piece @ 4'</i>											
			<i>4</i>	<i>Soil becomes w mst soft</i>											
			<i>5</i>	<i>EOB 5'</i>											

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Remediation/Revelpment  Other

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Facility/Project Name <i>Midwest Plating</i>		License/Permit/Monitoring Number		Boring Number <i>WW6</i>	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: <i>Kepfy</i> Firm: <i>On-Site Environmental</i>		Date Drilling Started <i>08/12/2020</i> m m d d y y y y	Date Drilling Completed <i>08/12/2020</i> m m d d y y y y	Drilling Method <i>Direct Push / Geopole</i>	
WI Unique Well No.	DNR Well ID No.	Well Name	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter <i>2</i> inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		State Plane _____ N, _____ E		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat _____ ' "	Long _____ ' "		
Facility ID	County <i>Outagamie</i>	County Code <i>45</i>	Civil Town/City/ or Village <i>Appleton</i>		

Sample Number and Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments		
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200			
	<i>60</i>			<i>0-8" brown silty sand w/ organics TOPSOIL Mst soft</i>												
	<i>54</i>		<i>1</i>	<i>Reddish Brown silty clay trace gravel Mst silt</i>												<i>WW6-1 @ 9:11</i>
			<i>2</i>	<i>Gray to tan silty sand Mst soft</i>												
			<i>3</i>	<i>Reddish Brown silty clay trace gravel Mst soft</i>												<i>WW6-2 @ 9:13</i>
			<i>4</i>	<i>U.Mst soft</i>												
			<i>5</i>	<i>U.Mst stiff</i>												
				<i>EOB 5'</i>												

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Remediation/Revelpment  Other

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Facility/Project Name <i>Midwest Plating</i>		License/Permit/Monitoring Number	Boring Number <i>WW7</i>
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: _____ Last Name: <i>Kapuy</i> Firm: <i>On-Site Environmental</i>		Date Drilling Started <i>08/12/2020</i> m m d d y y y y	Date Drilling Completed <i>08/12/2020</i> m m d d y y y y
WI Unique Well No.	DNR Well ID No.	Well Name	Drilling Method <i>Direct push Geoprobe</i>
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/> ) or Boring Location <input type="checkbox"/>		Final Static Water Level _____ Feet MSL	Surface Elevation _____ Feet MSL
State Plane _____ N, _____ E		Borehole Diameter <i>2</i> inches	
1/4 of _____ 1/4 of Section _____, T _____ N, R _____		Lat _____ "	Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W
Facility ID	County <i>Outagamie</i>	County Code <i>45</i>	Civil Town/City/ or Village <i>Appleton</i>

Sample Number and Type	Length Air. & Recovered (in)	Blow Counts	Depth in Feet (below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
	<i>60</i>			<i>0-8" Brown silty sand w/ organics top soil mst soft</i>										
			<i>1</i>	<i>Gray silty sand mst soft</i>										<i>WW7-1 @ 9:21 1'</i>
			<i>2</i>	<i>Reddish brown silty clay Trace gravel Trace sand v. mst soft</i>										
			<i>3</i>	<i>Trace sand</i>										<i>WW7-2 @ 9:23 3'</i>
			<i>4</i>	<i>Soil becomes mst shaly</i>										
			<i>5</i>	<i>EOB 5'</i>										

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

Signature *[Signature]* Firm **OMNNI Associates, a Westwood company**

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

# Synergy Environmental Lab, INC

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

BRIAN WAYNER  
OMNNI ASSOCIATES INC  
ONE SYSTEMS DRIVE  
APPLETON WI 54914-1654

Report Date 18-Aug-20

Project Name MIDWEST PLATING  
Project # R3000279.00

Invoice # E38278

Lab Code 5038278A  
Sample ID WW1-1  
Sample Matrix Soil  
Sample Date 8/4/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	84.0	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	37.1	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

Lab Code 5038278B  
Sample ID WW1-2  
Sample Matrix Soil  
Sample Date 8/4/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.6	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	21.4	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Project Name** MIDWEST PLATING  
**Project #** R3000279.00

**Invoice #** E38278

**Lab Code** 5038278C  
**Sample ID** WW2-1  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	85.1	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	34.4	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Lab Code** 5038278D  
**Sample ID** WW2-2  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	87.9	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	18.7	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Lab Code** 5038278E  
**Sample ID** WW3-1  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	83.8	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	36.5	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Project Name** MIDWEST PLATING  
**Project #** R3000279.00

**Invoice #** E38278

**Lab Code** 5038278F  
**Sample ID** WW3-2  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	84.2	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	30.4	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Lab Code** 5038278G  
**Sample ID** WW4-1  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	87.2	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	27.1	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Lab Code** 5038278H  
**Sample ID** WW4-2  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	83.0	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	42.9	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Project Name** MIDWEST PLATING  
**Project #** R3000279.00

**Invoice #** E38278

**Lab Code** 5038278I  
**Sample ID** WW4-3  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	85.8	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	23.7	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Lab Code** 5038278J  
**Sample ID** WW5-1  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	86.4	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	27.7	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Lab Code** 5038278K  
**Sample ID** WW5-2  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	91.4	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	37.3	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1



**Project Name** MIDWEST PLATING  
**Project #** R3000279.00

**Invoice #** E38278

**Lab Code** 5038278L  
**Sample ID** WW6-1  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	87.4	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	25.3	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Lab Code** 5038278M  
**Sample ID** WW6-2  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	81.8	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	57.1	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

**Lab Code** 5038278N  
**Sample ID** WW7-1  
**Sample Matrix** Soil  
**Sample Date** 8/4/2020

	<b>Result</b>	<b>Unit</b>	<b>LOD</b>	<b>LOQ</b>	<b>Dil</b>	<b>Method</b>	<b>Ext Date</b>	<b>Run Date</b>	<b>Analyst</b>	<b>Code</b>
General										
General										
Solids Percent	87.4	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	22.9	mg/Kg	0.08	0.26	1	6010B		8/14/2020	CWT	1

Project Name MIDWEST PLATING  
Project # R3000279.00

Invoice # E38278

Lab Code 5038278O  
Sample ID WW7-2  
Sample Matrix Soil  
Sample Date 8/4/2020

	Result	Unit	LOD	LOQ	Dil	Method	Ext Date	Run Date	Analyst	Code
General										
General										
Solids Percent	86.2	%			1	5021		8/6/2020	MJR	1
Inorganic										
Metals										
Chromium, Hexavalent	< 0.64	mg/kg	0.64	2.13	1	7196A		8/13/2020	ESC	1
Chromium, Total	18.0	mg/Kg	0.08	0.26	1	6010B		8/14/2020	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

ESC denotes sub contract lab - Certification #998093910

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

Authorized Signature

## Environmental Lab, Inc.

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

### Sample Handling Request

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

Lab I.D. # \_\_\_\_\_  
 QUOTE # : \_\_\_\_\_  
 Project #: **R3000279.00**  
 Sampler: (signature) *R. D. Wagner*

Project (Name / Location): **Midwest Pkbing**

**Appleton**

### Analysis Requested

### Other Analysis

Reports To: **Brian Wagner**  
 Company: **DMWNI Associates**  
 Address: **1 N. Systems Dr.**  
 City/State/Zip: **Appleton WI 54914**  
 Phone: **(920) 735-6900**  
 Email: **Brian.Wagner@dmwni.com**

Invoice To: **Brian Wagner**  
 Company: **DMWNI Associates**  
 Address: **1 N. Systems Dr.**  
 City/State/Zip: **Appleton WI 54914**  
 Phone: **(920) 735-6900**  
 Email: **AP@westwoods.com**

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	
<b>Total Chromium</b>	<b>X</b>
<b>Hexavalent Chromium</b>	<b>X</b>

Lab I.D.	Sample I.D.	Collection Date	Time	Filtered Y/N	No. of Containers	Sample Type (Matrix)*	Preservation	PID/ FID
5038278A	WM1-1	8/4/20	8:34	N	1	S	None	
	B WM1-2		8:36					X
	C WM2-1		8:42					X
	D WM2-2		8:43					X
	E WM3-1		8:47					X
	F WM3-2		8:49					X
	G WM4-1		8:52					X
	H WM4-2		8:58					X
	I WM4-3		8:57					X
	J WM5-1		9:04					X
	K WM5-2		9:06					X
	L WM6-1		9:11					X

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

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

Relinquished By: (sign) *R. D. Wagner* Time: 8:40 Date: 8/4/20  
 Received in Laboratory By: *[Signature]* Time: 10:07 Date: 8/4/20  
 Received By: (sign) *R. D. Wagner* Time: 9:40 Date: 8/4/20

## Environmental Lab, Inc.

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

### Sample Handling Request

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

Lab I.D. #

QUOTE # :

Project #: R3000279.00

Sampler: (signature) *Brian*

Project (Name / Location): Midwest Pkwy

Appleton

Analysis Requested

Other Analysis

Reports To: Brian Wayner

Invoice To: Brian Wayner

Company: OMNI Associates

Company: OMNI Associates

Address: 1 N. Systems Dr

Address: 1 N. Systems Dr.

City State Zip: Appleton WI 54914

City State Zip: Appleton WI 54914

Phone: (920) 735-6900

Phone: (920) 735-6900

Email: Brian.Wayner@omni.com

Email: BWayner@westwoodps.com

Lab I.D. Sample I.D.

5038278N

NW6-2

8/17/20 9:13

N

1

S

None

0

NW7-2

8/17/20 9:21

L

1

L

L

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	
Total Chromium	X
Hexavalent Chromium	X

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: *Hand*

Temp. of Temp. Blank:  °C On Ice:

Cooler seal intact upon receipt:  Yes  No

Relinquished By: (sign) *Brian*

Time 9:40

Date 8/17/20

Received By: (sign) *Brian*

Time 9:40

Date 8/17/20

Received in Laboratory By: *W*

Time: 10:10

Date: 8/17/20